

BARRY BOLTON'S ANT CATALOGUE, 2020 (latest update)

**ECITON**

*abstinens* Ihering, 1912; see under **NEIVAMYRMEX**.

*adnepos* Wheeler, W.M. 1922; see under **NEIVAMYRMEX**.

*alfaroi* Emery, 1890; see under **NEIVAMYRMEX**.

**allognathum.** *Eciton vagans* subsp. *allognathum* Borgmeier, 1955: 239, pl. 17, fig. 7; pl. 19, fig. 13; pl. 64, fig. 2 (s.m.) VENEZUELA.

Type-material: holotype male, 3 paratype males.

Type-locality: holotype Venezuela: Caracas, 1921 (*A.J. Carranza Rojas*); paratypes with same data.

[Note: Borgmeier also mentions 1 worker major: Venezuela: Puerto Cabello, 1893 (*Sievers*), in MZSP; this specimen apparently not included in the type-series.]

Type-depositories: MZSP (holotype); MZSP, USNM (paratypes).

**Subspecies of vagans:** Kempf, 1972a: 103; Bolton, 1995b: 184.

Distribution: Venezuela.

*amazona.* *Eciton amazona* Santschi, 1923d: 68 (s.w.) BRAZIL (Pará).

Type-material: 3 syntype workers.

Type-locality: Brazil: Pará, Monte Alegre (*Reichensperger*).

Type-depository: NHMB.

**Subspecies of mattogrossense:** Santschi, 1925d: 221.

Junior synonym of *hamatum*: Borgmeier, 1953: 14; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 184.

*andrei* Emery, 1901; see under **NEIVAMYRMEX**

**angustatum.** *Eciton angustata* Roger, 1863a: 204 (w.) MEXICO (Yucatan).

Type-material: syntype workers (number not stated).

Type-locality: Mexico: Yucatan, Campeche Bay (no collector's name).

Type-depository: MNHU.

Wheeler, W.M. 1912e: 207 (m.); Menozzi, 1931d: 188 (q.).

Combination in *E. (Eciton)*: Emery, 1910b: 20;

combination in *E. (Holopone)*: Santschi, 1925b: 11.

**Status as species:** Roger, 1863b: 36; Mayr, 1863: 459; Mayr, 1865: 77 (in key); Mayr, 1886b: 116 (in key); Dalla Torre, 1893: 1; Forel, 1899c: 25; Emery, 1910b: 20.

**Subspecies of burchellii:** Emery, 1900a: 185.

Junior synonym of *vagans*: Borgmeier, 1939: 405.

**Subspecies of vagans:** Borgmeier, 1955: 240 (redescription); Kempf, 1972a: 103; Bolton, 1995b: 184.

**Senior synonym of brunnea:** Borgmeier, 1955: 229; Kempf, 1972a: 103; Bolton, 1995b: 184.

Distribution: Costa Rica, Guatemala, Honduras, Mexico.

*angustinode* Emery, 1888; see under **NEIVAMYRMEX**.

*angustius* Forel, 1909; see under **NEIVAMYRMEX**.

*antillanum* Forel, 1897; see under **NEIVAMYRMEX**.

*apicifer* Santschi, 1916; see under **NOMAMYRMEX**.

**argentinum.** *Eciton mexicanum* subsp. *argentinum* Borgmeier, 1955: 259, pl. 55, figs. 7, 11; pl. 84, fig. 2 (s.q.) ARGENTINA (Chaco).

Type-material: holotype queen, 3 paratype workers.

Type-locality: holotype Argentina: Chaco, Presidente Roque Sáenz Peña, 12.x.1931 (*Ohmeheider*); paratypes with same data.

Type-depository: "Museum von Buenos Aires" (probably MACN).

**Subspecies of mexicanum:** Kempf, 1972a: 103; Bolton, 1995b: 184; Wild, 2007b: 25.

Distribution: Argentina, Paraguay.

*arizonense* Wheeler, W.M. 1908; see under **NEIVAMYRMEX**.

*europubens* Santschi, 1920; see under **LABIDUS**.

*aztecum* Forel, 1901; see under **NEIVAMYRMEX**.

*balzani* Emery, 1894; see under **NEIVAMYRMEX**.

*beebei* Wheeler, W.M. 1921; see under **NEIVAMYRMEX**.

*bellicosum*. *Eciton bellicosum* Santschi, 1921g: 90 (s.w.) FRENCH GUIANA.

Type-material: syntype workers (number not stated).

Type-locality: French Guiana: Saint-Jean du Maroni, 1914 (*R. Benoist*).

Type-depositories: MNHN, NHMB.

Junior synonym of *drepanophorum*: Borgmeier, 1936: 52; Borgmeier, 1953: 16; Borgmeier, 1955: 223; Kempf, 1972a: 102; Bolton, 1995b: 184.

*biloba* Emery, 1901; see under **LABIDUS**.

*bohlisi* Emery, 1896; see under **NEIVAMYRMEX**.

*bruchi* Forel, 1912; see under **NEIVAMYRMEX**.

*brunnea*. *Eciton brunnea* Norton, 1868c: 6 (w.) MEXICO (Veracruz).

Type-material: 5 syntype workers.

Type-locality: Mexico: "Cordova, Orizaba, etc." (*Sumichrast*).

[Note: localities from Norton, 1868a: 45.]

Type-depository: USNM.

[*Eciton brunnea* Norton, 1868a: 62. *Nomen nudum*.]

Junior synonym of *rapax*: Norton, 1868b: 45.

Junior synonym of *burchellii*: Forel, 1899c: 23.

Junior synonym of *vagans*: Emery, 1910b: 21; Borgmeier, 1923: 40.

Junior synonym of *angustatum*: Borgmeier, 1955: 229; Kempf, 1972a: 103; Bolton, 1995b: 184.

***burchellii***. *Labidus burchellii* Westwood, 1842: 74, pl. 20, fig. 1 (m.) BRAZIL (São Paulo).

Type-material: holotype male.

Type-locality: Brazil: (São Paulo State), Santos, 30.x.1826 (*W. Burchell*).

Type-depository: OXUM.

Emery, 1896g: 39 (s.w.); Wheeler, W.M. 1921d: 304, 307 (q.m.); Emery, 1899c: 6 (l.).

Combination in *Eciton* (*Labidus*): Emery, 1890b: 39;

combination in *E. (Eciton)*: Emery, 1910b: 20.

**Status as species:** Smith, F. 1859b: 5; Roger, 1863b: 41; Mayr, 1863: 424; Forel, 1886a: 217; Emery, 1890b: 39; Dalla Torre, 1893: 1; Emery, 1894k: 46; Forel, 1895b: 118; Emery, 1896g: 39; Forel, 1899c: 23; Forel, 1899d: 273; Emery, 1900a: 176 (in key); Emery, 1906c: 108; Forel, 1907e: 2; Forel, 1908b: 40; Forel, 1908c: 346; Forel, 1909a: 246; Emery, 1910b: 20; Forel, 1912c: 42; Mann, 1916: 420; Crawley, 1916b: 368; Wheeler, W.M. 1916c: 3; Wheeler, W.M. 1916d: 324; Luederwaldt, 1918: 36; Santschi, 1920d: 362; Wheeler, W.M. 1921d: 293; Wheeler, W.M. 1922c: 1; Borgmeier, 1923: 37; Wheeler, W.M. 1923a: 1; Santschi, 1923c: 249; Wheeler, W.M. 1925a: 2; Santschi, 1925d: 222; Santschi, 1930e: 82; Menozzi, 1935b: 189; Eidmann, 1936a: 28; Borgmeier, 1936: 53; Borgmeier, 1939: 404; Santschi, 1939f: 160; Wheeler, G.C. 1943: 328; Borgmeier, 1955: 178 (redescription); Brown, 1957e: 234; Kempf, 1961b: 485; Kempf, 1970b: 323; Kempf, 1972a: 101; Wheeler, G.C. & Wheeler, J. 1974c: 169; Watkins, 1976: 9 (in key); Kempf & Lenko, 1976: 48; Watkins, 1982: 209 (in key); Wheeler, G.C. & Wheeler, J. 1984: 270; Brandão, 1991: 341; Bolton, 1995b: 184; Palacio, 1999: 152 (in

key); Wild, 2007b: 25; Branstetter & Sáenz, 2012: 254; Bezděcková, *et al.* 2015: 109; Palacio, 2019: 600.

Distribution: Bolivia, Brazil, Colombia, Guatemala, Mexico, Paraguay, Peru, Uruguay.

Current subspecies: nominal plus *cupiens*, *foreli*, *parvispinum*, *urichi*.

*californicum* Mayr, 1870; see under **NEIVAMYRMEX**.

*caretti* Forel, 1913; see under **NEIVAMYRMEX**.

*carolinensis* Emery, 1894; see under **NEIVAMYRMEX**.

*castaneum* Borgmeier, 1939; see under **NEIVAMYRMEX**.

*clavicornis* Norton, 1868; see under **NEIVAMYRMEX**.

*cloosae* Forel, 1912; see under **NEIVAMYRMEX**.

*cocula* Mann, 1925; see under **NEIVAMYRMEX**.

*colombi* Santschi, 1921; see under **NEIVAMYRMEX**.

*columbicum* Forel, 1912; see under **NEIVAMYRMEX**.

*commutatum* Emery, 1900; see under **NEIVAMYRMEX**.

**conquistador**. *Eciton (Eciton) conquistador* Weber, 1949c: 3, figs. 1-7 (s.w.l.) PANAMA.

Type-material: syntype workers (number not stated).

Type-locality: Panama: area above confluence of Boqueron and Pequeni rivers, tributaries of the Chagres, 15.xii.1947 (*T.C. Schneirla*).

Type-depositories: AMNH, MCZC.

Reichensperger, 1934: 240 (q.).

[Note: queen associated with *conquistador* by Borgmeier, 1955: 266; previously misidentified as *lucanoides* by Reichensperger, 1934: 240.]

**Subspecies of lucanoides**: Borgmeier, 1955: 264 (redescription); Borgmeier, 1958: 204; Kempf, 1972a: 102; Bolton, 1995b: 184.

Distribution: Costa Rica, Nicaragua, Panama.

*crassicornis* Smith, F. 1855; see under **NOMAMYRMEX**.

**crassinode**. *Eciton dulcius* subsp. *crassinode* Borgmeier, 1955: 209 (s.q.) PANAMA (Barro Colorado I.).

Type-material: holotype queen, 2 paratype workers.

Type-locality: holotype Panama: Canal Zone, Barro Colorado Island, 4.iii.1955 (*T.C. Schneirla*); paratypes with same data.

Type-depositories: AMNH (holotype); MZSP (paratypes).

**Subspecies of dulcium**: Borgmeier, 1958: 204; Kempf, 1972a: 102; Bolton, 1995b: 184.

Distribution: Panama.

*crenulatum* Mann, 1916; see under **NEIVAMYRMEX**.

*cristatum* André, 1889; see under **NEIVAMYRMEX**.

*crudele* Santschi, 1929; see under **NOMAMYRMEX**.

**cupiens**. *Eciton burchelli* st. *cupiens* Santschi, 1923c: 249 (m.) FRENCH GUIANA.

Type-material: 3 syntype males.

Type-localities: French Guiana: 1 male Roches des Kourou (*Le Moult*), 2 males St-Jean du Maroni (*Le Moult*).

Type-depository: NHMB.

Wheeler, W.M. 1921d: 293 (s.w.q.).

[Note: Wheeler, W.M. 1921d: 293 described s.w.q. as *burchellii*, misidentification; these specimens transferred to *cupiens* by Borgmeier, 1955: 178.]

**Subspecies of burchellii**: Borgmeier, 1955: 190 (redescription); Kempf, 1972a: 101; Kempf, 1975c: 373; Brandão, 1991: 341; Bolton, 1995b: 184; Bezděcková, *et al.* 2015: 109.

**Senior synonym of jeanae**: Borgmeier, 1955: 178; Kempf, 1972a: 101; Bolton, 1995b: 184.

Distribution: Bolivia, Brazil, Colombia, French Guiana, Guyana, Peru, Venezuela.

*curvidentata*. *Formica curvidentata* Latreille, 1802c: 269, pl. 8, fig. 55 (w.) FRENCH GUIANA.

Type-material: holotype(?) worker.

[Note: no indication of number of specimens is given.]

Type-locality: French Guiana: Cayenne (no collector's name).

Type-depository: MNHN.

Combination in *Eciton*: Lepeletier de Saint-Fargeau, 1835: 179.

Status as species: Lepeletier de Saint-Fargeau, 1835: 179; Smith, F. 1855c: 162.

Junior synonym of *hamatum*: Shuckard, in Swainson & Shuckard, 1840: 174; Smith, F. 1858b: 148; Mayr, 1863: 409; Roger, 1863b: 36; Dalla Torre, 1893: 3; Forel, 1899c: 23; Emery, 1910b: 20; Borgmeier, 1923: 38; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 184.

*curvipes* Emery, 1900; see under **LABIDUS**.

*densepunctatum* Borgmeier, 1933; see under **NEIVAMYRMEX**.

*desartsii* Forel, 1907; see under **NEIVAMYRMEX**.

*diabolus* Forel, 1912; see under **NEIVAMYRMEX**.

*diana* Forel, 1912; see under **NEIVAMYRMEX**.

**dispar**. *Eciton vagans* subsp. *dispar* Borgmeier, 1955: 244, pl. 10, fig. 4; pl. 12, fig. 9; pl. 17, fig. 5; pl. 19, fig. 17; pl. 21, figs. 4, 6; pl. 22, figs. 8, 10; pl. 64, fig. 1 (s.w.q.m.) BRAZIL (São Paulo, Rio de Janeiro, Distrito Federal, Espírito Santo).

Type-material: holotype male, 4 paratype males, paratype workers (number not stated), 1 paratype queen.

Type-locality: holotype Brazil: São Paulo, Pindamonhangaba, 3.vii.1940 (*Schwarzmaier*), paratype workers, paratype males with same data but some iii.1949, or ii.1950, paratype queen Brazil: Distrito Federal, Santa Cruz, 5.vii.1935 (*Silva*).

Type-depository: MZSP.

**Subspecies of vagans**: Kempf, 1972a: 104; Bolton, 1995b: 184.

Distribution: Brazil.

*diversinode* Borgmeier, 1933; see under **NEIVAMYRMEX**.

**drepanophorum**. *Eciton drepanophorum* Smith, F. 1858b: 149 (s.w.) BRAZIL (Amazonas).

Type-material: syntype workers (number not stated).

Type-locality: Brazil: Ega (= Tefé, Amazonas) (*Bates*).

Type-depository: BMNH.

Junior synonym of *hamatum*: Mayr, 1886b: 117; Dalla Torre, 1893: 3; Forel, 1899c: 23; Emery, 1910b: 21; Borgmeier, 1923: 38.

**Subspecies of hamatum**: Santschi, 1921g: 89.

**Status as species**: Mayr, 1863: 409; Roger, 1863b: 36; Mayr, 1865: 77 (in key); Borgmeier, 1936: 52; Borgmeier, 1953: 9, 13; Borgmeier, 1955: 223 (redescription); Kempf, 1972a: 102; Watkins, 1976: 10 (in key); Bolton, 1995b: 184; Palacio, 1999: 152 (in key); Bezděková, et al. 2015: 109; Palacio, 2019: 600.

**Senior synonym of bellicosum**: Borgmeier, 1936: 52; Borgmeier, 1953: 16; Borgmeier, 1955: 223; Kempf, 1972a: 102; Bolton, 1995b: 184.

**Senior synonym of ferox**: Borgmeier, 1953: 13, 16; Borgmeier, 1955: 223; Kempf, 1972a: 102; Bolton, 1995b: 184.

**Senior synonym of quitensis**: Borgmeier, 1953: 9; Borgmeier, 1955: 223; Kempf, 1972a: 102; Bolton, 1995b: 184.

Distribution: Bolivia, Brazil, Colombia, Ecuador, French Guiana, Peru, Suriname.

*dubia* Creighton, 1932; see under **NEIVAMYRMEX**.

**dubitatum**. *Eciton dubitatum* Emery, 1896g: 40, pl. 1, fig. 4 (m.) PARAGUAY.

Type-material: 3 syntype males.

Type-locality: Paraguay: (no further data) (*Balzan*).

Type-depository: MSNG.

**Status as species:** Emery, 1900a: 176 (in key), 185; Emery, 1910b: 20; Forel, 1911c: 288; Gallardo, 1920: 343; Santschi, 1920d: 362; Santschi, 1921g: 91; Borgmeier, 1936: 55.

**Subspecies of vagans:** Borgmeier, 1953: 6; Borgmeier, 1955: 243 (redescription); Kempf, 1972a: 104; Bolton, 1995b: 184; Wild, 2007b: 25.

**Senior synonym of francanum:** Borgmeier, 1955: 229; Kempf, 1972a: 104; Bolton, 1995b: 184.

**Senior synonym of reichenspergeri:** Borgmeier, 1955: 229; Kempf, 1972a: 104; Bolton, 1995b: 184.

Distribution: Argentina, Brazil, Paraguay.

**dulcium.** *Eciton quadriglume* r. *dulcius* Forel, 1912c: 42 (w.) BRAZIL (São Paulo).

Type-material: syntype workers (number not stated).

Type-locality: Brazil: São Paulo State (*von Ihering*).

[Note: Borgmeier, 1955: 203 says, "I can safely say that the type-locality is Franca in São Paulo State".

However, Borgmeier gives Garbe as collector's name for this material, whereas Forel had named *von Ihering* as collector of the syntypes. The Borgmeier specimens are in MZSP.]

Type-depository: MHNG.

[Misspelled as *dulcis* by Santschi, 1916b: 510, Santschi, 1919f: 39; misspelled as *dulce* by Santschi, 1921g: 90, Borgmeier, 1923: 101.]

Luederwaldt, 1920: 10 (s.); Borgmeier, 1939: 406 (m.); Borgmeier, 1955: 203 (q.).

Combination in *E. (Holopone)*: Santschi, 1925b: 11.

**Subspecies of quadriglume:** Forel, 1913l: 208; Bruch, 1914: 215; Santschi, 1916b: 510; Luederwaldt, 1920: 10; Gallardo, 1920: 316; Borgmeier, 1923: 39.

**Status as species:** Santschi, 1921g: 90; Borgmeier, 1923: 101; Santschi, 1936d: 402; Borgmeier, 1939: 406; Borgmeier, 1948b: 459; Borgmeier, 1953: 9; Borgmeier, 1955: 203 (redescription); Kempf, 1972a: 102; Watkins, 1976: 9 (in key); Brandão, 1991: 341; Bolton, 1995b: 184; Palacio, 1999: 151 (in key); Wild, 2007b: 25; Palacio, 2019: 601.

**Senior synonym of hirsutum:** Borgmeier, 1948b: 459; Borgmeier, 1953: 13; Borgmeier, 1955: 203; Kempf, 1972a: 102; Bolton, 1995b: 184.

**Senior synonym of jujuyensis:** Borgmeier, 1948b: 459; Borgmeier, 1955: 203; Kempf, 1972a: 102; Bolton, 1995b: 184.

Distribution: Argentina, Brazil, Colombia, Paraguay.

Current subspecies: nominal plus *crassinode*.

*elongatus* Karavaiev, 1926; see under *AENICTUS*.

*elsbethae* Forel, 1922; see under *LABIDUS*.

*emersoni* Wheeler, W.M. 1921; see under *NEIVAMYRMEX*.

*emeryi* Santschi, 1921; see under *NEIVAMYRMEX*.

*emiliae* Mann, 1916; see under *LABIDUS*.

*erratica* Smith, F. 1860; see under *LABIDUS*.

*exagona* Santschi, 1923; see under *NEIVAMYRMEX*.

*falciferum* Emery, 1900; see under *NEIVAMYRMEX*.

*fargeavii*. *Labidus fargeavii* Shuckard, 1840a: 198 (m.) BRAZIL (Santa Catarina).

Type-material: holotype male.

[Note: this taxon was based on a specimen described as *Labidus latreillii* Jurine, by Lepeletier de Saint Fargeau, 1835: 229, misidentification.]

Type-locality: Brazil: Santa Catarina (no collector's name).

Type-depository: unknown (perhaps MNHN).

[Misspelled as *fargeaui* by Dalla Torre, 1893: 2, Emery, 1896g: 38, Emery, 1910b: 21, and others; misspelled as *fargeani* by Luederwaldt, 1918: 37.]

Combination in *Eciton*: Dalla Torre, 1893: 2;

combination in *Mayromyrmex*: Ashmead, 1905b: 381;

combination in *Eciton*: Emery, 1906a: 718.

Status as species: Westwood, 1842: 74; Smith, F. 1859b: 4; Roger, 1863b: 41; Mayr, 1863: 424; Dalla Torre, 1893: 2; Forel, 1895b: 119.

Junior synonym of *quadriglume*: Emery, 1896g: 38; Emery, 1900a: 185; Emery, 1910b: 21; Wheeler, W.M. 1911f: 166; Luederwaldt, 1918: 37; Borgmeier, 1923: 39; Borgmeier, 1953: 15; Borgmeier, 1955: 196; Kempf, 1972a: 103; Bolton, 1995b: 184.

*ferox*. *Eciton ferox* Santschi, 1920e: 122 (s.w.) BOLIVIA.

Type-material: 3 syntype workers.

Type-locality: Bolivia: Rio Ivari (*C. Lizer & L. Delétang*).

Type-depository: NHMB.

[Also described as new by Santschi, 1921g: 89.]

Junior synonym of *drepanophorum*: Borgmeier, 1953: 13, 16; Borgmeier, 1955: 223; Kempf, 1972a: 102; Bolton, 1995b: 184.

*ferruginea* Norton, 1868; see under *LABIDUS*.

*fiebrigi* Forel, 1909; see under *NEIVAMYRMEX*.

*filicornis* Santschi, 1916; see under *NEIVAMYRMEX*.

*fimbriatum* Santschi, 1920; see under *NOMAMYRMEX*.

*foreli*. *Eciton foreli* Mayr, 1886b: 116, 122 (diagnosis in key) (s.w.) MEXICO (no state data), PANAMA, COLOMBIA ("Neugranada"), FRENCH GUIANA, BRAZIL (no state data), URUGUAY.

Type-material: syntype workers (number not stated).

Type-locality: Panama: Canal Zone, Barro Colorado Island (by restriction of Borgmeier, 1955: 188).

[Note: Mayr, 1886b: 116 (in key), merely lists six countries, without further data.]

Type-depository: NHMW.

Borgmeier, 1936: 154 (q.).

**Status as species:** Emery, 1890a: 55; Emery, 1890b: 38; Dalla Torre, 1893: 2; Emery, 1894c: 177; Emery, 1894k: 45; Forel, 1895b: 119.

Junior synonym of *burchellii*: Emery, 1896g: 36, 39; Forel, 1899c: 23; Emery, 1900a: 186; Emery, 1910b: 20; Luederwaldt, 1918: 36; Borgmeier, 1923: 37.

**Subspecies of burchellii:** Santschi, 1925d: 222 (in key); Borgmeier, 1936: 54; Borgmeier, 1939: 404; Borgmeier, 1953: 11; Borgmeier, 1955: 188 (redescription); Borgmeier, 1958: 204; Kempf, 1972a: 101; Zolessi, *et al.* 1988: 5; Brandão, 1991: 341; Bolton, 1995b: 184.

**Senior synonym of viator:** Borgmeier, 1936: 54; Borgmeier, 1939: 404; Borgmeier, 1955: 178; Kempf, 1972a: 101; Bolton, 1995b: 184.

Distribution: Brazil, Colombia, Costa Rica, Ecuador, French Guiana, Honduras, Mexico, Panama, Uruguay.

*francanum*. *Eciton vagans* var. *francanum* Santschi, 1923g: 1260 (w.) BRAZIL (São Paulo), PARAGUAY.

Type-material: syntype workers (number not stated).

Type-localities: Brazil: São Paulo, Franca (Luederwaldt), and Paraguay: San Bernardino (Fiebrig).

Type-depository: NHMB.

[*Eciton francanum* von Ihering, 1912: 229. *Nomen nudum*;

*Eciton vagans* subsp. *francanum* Forel, 1913l: 213, Luederwaldt, 1918: 37. *Nomina nuda*.]

Subspecies of *vagans*: Borgmeier, 1923: 40; Santschi, 1934c: 24.  
Junior synonym of *vagans*: Borgmeier, 1939: 405.  
Junior synonym of *dubitatum*: Borgmeier, 1955: 229; Kempf, 1972a: 104; Bolton, 1995b: 184.

*frontalis* Menozzi, 1924; see under **NEIVAMYRMEX**.

*fumosa* Forel, 1913; see under **NEIVAMYRMEX**.

*funesta*. *Eciton hamatum* var. *funesta* Santschi, 1921g: 89 (s.w.) COSTA RICA.

Type-material: 3 syntype workers.

Type-locality: Costa Rica: (no further data) (*Ritter*).

Type-depository: NHMB.

[Note: perhaps also in MHNG as Santschi says he received the specimens from Forel.]

Junior synonym of *hamatum*: Borgmeier, 1953: 13; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 185.

*fur*. *Eciton vagans* subsp. *fur* Borgmeier, 1955: 245, pl. 19, fig. 20; pl. 20, fig. 2; pl. 21, fig. 10; pl. 22, figs. 7, 15; pl. 63, fig. 4 (s.w.m.) BRAZIL (Pernambuco).

Type-material: holotype male, 1 paratype male, 2 paratype workers.

Type-locality: holotype (lacks data); paratypes Brazil: Pernambuco, Tapera, xi.1929 (*D.B. Pickel*).

Type-depository: MZSP.

**Subspecies of *vagans***: Kempf, 1972a: 104; Bolton, 1995b: 185.

Distribution: Brazil.

*furiosum* Santschi, 1929; see under **NOMAMYRMEX**.

*fuscipennis* Smith, M.R. 1942; see under **NEIVAMYRMEX**.

*garbei* Forel, 1912; see under **NEIVAMYRMEX**.

*goeldii* Forel, 1901; see under **NEIVAMYRMEX**.

*goianum*. *Eciton mexicanum* subsp. *goianum* Borgmeier, 1955: 258, pl. 10, fig. 5; pl. 11, fig. 10; pl. 12, fig. 8; pl. 55, figs. 6, 10 (s.w.q.m.) BRAZIL (Goiás).

Type-material: holotype queen, 1 paratype queen, paratype workers (number not stated, "numerous").

Type-locality: holotype Brazil: Goiás, Campinas, 26.xii.1935 (*Schwarzmaier*); paratypes: workers (number not stated) with same data, 1 paratype queen, paratype workers (number not stated) Brazil: Goiás, Trindade, 20.ix.1936 (*Schwarzmaier*).

Type-depository: MZSP.

**Subspecies of *mexicanum***: Kempf, 1972a: 103; Bolton, 1995b: 185.

Distribution: Brazil.

*gracellae* Mann, 1926; see under **NEIVAMYRMEX**.

*grandipseudops* Forel, 1915; see under **NEIVAMYRMEX**.

*grassator* Forel, 1911; see under **LABIDUS**.

*guianense* Wheeler, W.M. 1921; see under **LABIDUS**.

*guyanensis* Santschi, 1916; see under **NEIVAMYRMEX**.

*hamatum*. *Formica hamata* Fabricius, 1782: 494 (s.) FRENCH GUIANA.

Type-material: holotype worker.

Type-locality: French Guiana: Cayenne (no collector's name).

Type-depository: ZMUC.

Mayr, 1886b: 121 (w.); Emery, 1896g: 39 (m.); Wheeler, W.M. 1925c: 145 (q.); Wheeler, G.C. 1943: 327 (l.).

Combination in *Myrmecia*: Fabricius, 1804: 425;

combination in *Atta*: Latreille, 1809: 129; Leach, 1815: 147;

combination in *Eciton*: Latreille, 1804: 179; Latreille, 1817c: 75; Smith, F. 1855c: 161;

combination in *E. (Eciton)*: Emery, 1910b: 20; Santschi, 1925b: 12.

**Status as species:** Fabricius, 1787: 311; Gmelin, 1790: 2803; Olivier, 1792: 502; Fabricius, 1793: 364; Latreille, 1802c: 242; Fabricius, 1804: 425; Latreille, 1804: 179; Leach, 1815: 147; Latreille, 1817c: 75; Lamarck, 1817: 97; Smith, F. 1855c: 161; Smith, F. 1858b: 148; Mayr, 1863: 409; Roger, 1863b: 36; Norton, 1868a: 61; Norton, 1868b: 45; Mayr, 1866b: 117 (in key); Forel, 1886a: 217; Emery, 1890b: 38; Dalla Torre, 1893: 3; Emery, 1894c: 176; Emery, 1894k: 45; Forel, 1895b: 119; Emery, 1896g: 39; Forel, 1899c: 22; Emery, 1900a: 176 (in key); Wheeler, W.M. 1907a: 271; Forel, 1907e: 2; Emery, 1910b: 20; Forel, 1912c: 41; Mann, 1916: 419; Crawley, 1916b: 368; Forel, 1921b: 133; Santschi, 1921g: 88; Wheeler, W.M. 1921d: 309; Mann, 1922: 19; Borgmeier, 1923: 38; Wheeler, W.M. 1923a: 1; Wheeler, W.M. 1925a: 1; Santschi, 1925b: 12; Borgmeier, 1936: 51; Santschi, 1939f: 161; Borgmeier, 1953: 9; Borgmeier, 1955: 214 (redescription); Tafuri, 1957: 21; Borgmeier, 1958: 204; Kempf, 1960e: 387; Wheeler, G.C. & Wheeler, J. 1964c: 134; Kempf, 1970b: 323; Kempf, 1972a: 102; Watkins, 1976: 10 (in key); Watkins, 1982: 209 (in key); Wheeler, G.C. & Wheeler, J. 1984: 269; Bolton, 1995b: 185; Palacio, 1999: 152 (in key); Branstetter & Sáenz, 2012: 254; Bezděčková, et al. 2015: 109; Palacio, 2019: 601.

**Senior synonym of *amazona*:** Borgmeier, 1953: 14; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 185.

**Senior synonym of *curvidentata*:** Shuckard, in Swainson & Shuckard, 1840: 174; Smith, F. 1858b: 148; Mayr, 1863: 409; Roger, 1863b: 36; Dalla Torre, 1893: 3; Forel, 1899c: 23; Emery, 1910b: 20; Borgmeier, 1923: 38; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 185.

**Senior synonym of *funesta*:** Borgmeier, 1953: 13; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 185.

**Senior synonym of *mattogrossensis*:** Borgmeier, 1953: 10; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 185.

**Senior synonym of *pittieri*:** Borgmeier, 1953: 9; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 185.

**Senior synonym of *testacea*:** Mayr, 1863: 409; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 185.

Distribution: Bolivia, Brazil, Colombia, Costa Rica, Ecuador, French Guiana, Guatemala, Guyana, Honduras, Mexico, Panama, Peru, Suriname.

*hansi* Forel, 1912; see under ***NOMAMYRMEX***.

*haskinsi* Weber, 1943; see under ***NEIVAMYRMEX***.

*hetschkoi* Mayr, 1886; see under ***NEIVAMYRMEX***.

*hirsutipodex* Santschi, 1920; see under ***NOMAMYRMEX***.

*hirsutum*. *Eciton hirsutum* Santschi, 1912e: 523, fig. 2 (m.) ARGENTINA (Misiones).

Type-material: holotype male.

Type-locality: Argentina: Misiones (A. Breyer).

Type-depository: NHMB.

Status as species: Bruch, 1915: 528; Gallardo, 1920: 342.

Subspecies of *dulcium*: Santschi, 1936d: 402.

Junior synonym of *dulcium*: Borgmeier, 1948b: 459; Borgmeier, 1953: 13; Borgmeier, 1955: 203; Kempf, 1972a: 102; Bolton, 1995b: 185.

*hospes* Emery, 1906; see under ***NEIVAMYRMEX***.

*hostilis* Santschi, 1920; see under ***LABIDUS***.

*humile* Borgmeier, 1939; see under ***NEIVAMYRMEX***.

- ierense* Weber, 1938; see under **NEIVAMYRMEX**.
- iheringi* Forel, 1908; see under **NEIVAMYRMEX**.
- imbellis* Emery, 1900; see under **NEIVAMYRMEX**.
- impudens* Mann, 1922; see under **NEIVAMYRMEX**.
- inca* Santschi, 1921; see under **NEIVAMYRMEX**.
- indomabile* Santschi, 1930; see under **NOMAMYRMEX**.
- infumatum*. *Eciton burchelli* var. *infumatum* Wheeler, W.M. 1909b: 231 (s.w.) MEXICO (Veracruz), BELIZE.  
Type-material: syntype workers (number not stated).  
Type-localities: Mexico: Córdoba (*F. Silvestri*), and Belize ("British Honduras"); "Manatee and Belize" (J.D. Johnson).  
Type-depository: MCZC.  
[Misspelled as *infuscatum* by Santschi, 1925d: 222.]  
Subspecies of *burchellii*: Emery, 1910b: 20; Mann, 1922: 19; Santschi, 1925d: 222 (in key).  
Junior synonym of *parvispinum*: Borgmeier, 1953: 19; Borgmeier, 1955: 178; Kempf, 1972a: 102; Bolton, 1995b: 185.
- infuscatum*, misspelling, see under *infumatum*.
- integrum*. *Eciton integrum* Santschi, 1921g: 91 (m.) FRENCH GUIANA.  
Type-material: holotype male.  
Type-locality: French Guiana: Saint-Laurent du Maroni, v. (*Le Moult*).  
Type-depository: NHMB.  
Junior synonym of *vagans*: Borgmeier, 1953: 13; Borgmeier, 1955: 229; Kempf, 1972a: 103; Bolton, 1995b: 185.
- interrupta* Santschi, 1923; see under **NOMAMYRMEX**.
- intrepidum* Santschi, 1929; see under **NOMAMYRMEX**.
- jansoni**. *Eciton jansoni* Forel, 1912c: 42 (m.) NICARAGUA.  
Type-material: holotype male.  
Type-locality: Nicaragua: Chontales (*Janson*).  
Type-depository: MHNG.  
**Status as species**: Borgmeier, 1955: 270 (redescription); Kempf, 1972a: 102; Watkins, 1976: 10 (in key); Bolton, 1995b: 185; Palacio, 1999: 152 (in key); Palacio, 2019: 601.  
**Senior synonym of velutatus**: Borgmeier, 1953: 11; Borgmeier, 1955: 270; Kempf, 1972a: 102; Bolton, 1995b: 185.  
Distribution: Colombia, Costa Rica, Ecuador, Nicaragua, Panama.
- jeanae*. *Eciton burchelli* subsp. *jeanae* Weber, 1941c: 329 (in text) (s.w.q.) GUYANA.  
Type-material: syntype workers (number not stated), 1 syntype queen.  
Type-locality: Guyana ("British Guiana"): nr where Oronque River joins New River, ca 2°42'N, 21.vii.1936 (N.A. Weber).  
Type-depositories: AMNH, MCZC.  
Weber, 1943a: 89 (q.).  
Junior synonym of *cupiens*: Borgmeier, 1955: 178; Kempf, 1972a: 101; Bolton, 1995b: 185.
- jerrmanni* Forel, 1901; see under **NEIVAMYRMEX**.
- jujuyensis*. *Eciton dulcius* var. *jujuyensis* Santschi, 1919f: 39.  
Type-material: syntype workers (number not stated).  
Type-locality: Argentina: Jujuy (*Bruch*).  
Type-depository: MHNG.  
[First available use of *Eciton (Eciton) quadriglume* r. *dulcius* var. *jujuyensis* Forel, 1913l: 208 (w.) ARGENTINA (Jujuy); unavailable (infrasubspecific) name.]

Gallardo, 1920: 322 (l.); Bruch, 1923: 177 (q.); Bruch, 1934c: 264 (m.).  
As unavailable (infrasubspecific) name: Bruch, 1914: 215; Gallardo, 1920: 320.  
Subspecies of *dulcium*: Santschi, 1921g: 91; Bruch, 1923: 172; Bruch, 1934c: 261.  
Junior synonym of *hirsutum*: Santschi, 1936d: 402.  
Junior synonym of *dulcium*: Borgmeier, 1948b: 459; Borgmeier, 1955: 203; Kempf, 1972a: 102; Bolton, 1995b: 185.

*kulowi* Forel, 1901; see under **LABIDUS**.

*laevigatum* Borgmeier, 1948; see under **NEIVAMYRMEX**.

**latidens**. *Eciton latidens* Santschi, 1911h: 113, fig. b (m.) FRENCH GUIANA.

Type-material: holotype male (head missing).

Type-locality: French Guiana ("Guyane"): St Laurent du Maroni (*Le Mout*).

Type-depository: NHMB.

**Status as species**: Santschi, 1920d: 362; Santschi, 1923g: 1259; Borgmeier, 1953: 13.

**Subspecies of mexicanum**: Borgmeier, 1955: 259 (redescription); Kempf, 1972a: 103; Bolton, 1995b: 185.

Distribution: Brazil, French Guiana.

*laticapum* Emery, 1901; see under **NEIVAMYRMEX**.

*legionis* Smith, F. 1855; see under **NEIVAMYRMEX**.

*lemoulti* Santschi, 1912; see under **NEIVAMYRMEX**.

*leonardi* Wheeler, W.M. 1915; see under **NEIVAMYRMEX**.

*leptognathum* Emery, 1900; see under **NEIVAMYRMEX**.

*levior* Karavaiev, 1926; see under **AENICTUS**.

*lieselae* Forel, 1913; see under **NEIVAMYRMEX**.

**lucanoides**. *Eciton lucanoides* Emery, 1894c: 176, pl. 2, fig. 1 (s.) PERU.

Type-material: 2 syntype workers.

Type-locality: Peru: Cumbase (no collector's name).

Type-depository: MSNG.

Combination in *E. (Eciton)*: Emery, 1910b: 21.

**Status as species**: Emery, 1900a: 186; Emery, 1910b: 21; Mann, 1916: 420; Borgmeier, 1923: 38; Borgmeier, 1936: 52; Borgmeier, 1955: 262 (redescription); Kempf, 1972a: 102; Watkins, 1976: 9 (in key); Bolton, 1995b: 185; Palacio, 1999: 152 (in key); Bezděcková, et al. 2015: 109; Palacio, 2019: 601.

Distribution: Bolivia, Brazil, Colombia, Costa Rica, Nicaragua, Panama, Peru.

Current subspecies: nominal plus *conquistador*.

*luederwaldti* Emery, 1911; see under **NEIVAMYRMEX**.

**lugubris**. *Acyloagnathus lugubris* Lund, 1831a: 121 (w.) BRAZIL. *Nomen nudum*.

[Also as new in Lund, 1831b: 100. *Nomen nudum*.]

Combination in *Eciton*: Smith, F. 1855c: 160. *Nomen nudum*.

*Eciton lugubre* Smith: Forel, 1895b: 120. *Nomen nudum*.

*lugubris*. *Eciton lugubris* Roger, 1863a: 203 (w.) BRAZIL (no state data).

Type-material: syntype workers (number not stated).

Type-locality: Brazil: (no further data).

Type-depository: MNHU.

Forel, 1886a: 217 (s.).

Status as species: Roger, 1863b: 36; Mayr, 1863: 459; Mayr, 1865: 77 (in key); Forel, 1886a: 217.

Junior synonym of *quadriglume*: Mayr, 1886b: 118; Forel, 1892m: 29 (in text); Dalla Torre, 1893: 5; von Jhering, 1894: 382; Forel, 1895b: 120; Emery, 1910b: 21; Borgmeier, 1923: 39; Borgmeier, 1955: 196; Kempf, 1972a: 103; Bolton, 1995b: 185.

*macrodentatus* Menozzi, 1931; see under **NEIVAMYRMEX**.

*mandibularis* Smith, M.R. 1942; see under **NEIVAMYRMEX**.

*manni* Wheeler, W.M. 1914; see under **NEIVAMYRMEX**.

*marginatum* Borgmeier, 1939; see under **NEIVAMYRMEX**.

*mars* Forel, 1912; see under **LABIDUS**.

*mattogrossensis*. *Eciton* (*Eciton*) *hamatum* var. *mattogrossensis* Luederwaldt, 1920: 4 (w.) BRAZIL (Mato Grosso).

Type-material: 7 syntype workers.

Type-locality: Brazil: Mato Grosso, Luiz de Cáceres (*E. Garbe*).

Type-depositories: MZSP, NHMB.

Santschi, 1925d: 221 (s.m.); Reichensperger, 1926: 401 (q.).

Subspecies of *hamatum*: Borgmeier, 1923: 38.

Status as species: Santschi, 1925d: 221.

Junior synonym of *hamatum*: Borgmeier, 1953: 10; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 185.

*maxillosum* Emery, 1900; see under **NEIVAMYRMEX**.

*melanocephalum* Emery, 1895; see under **NEIVAMYRMEX**.

*mesognathum* Santschi, 1920; see under **NEIVAMYRMEX**.

**mexicanum**. *Eciton mexicana* Roger, 1863a: 205 (w.) MEXICO (no state data).

Type-material: syntype workers (number not stated).

Type-locality: Mexico: (no further data).

[Note: locality provided by Borgmeier, 1955: 257, Mexico: Chiapas, Escuintla, 3-4.iv.1945 (*Schneirla*), is not based on type-material and is not the type-locality.]

Type-depository: MNHU.

Emery, 1894c: 178 (s.); Borgmeier, 1933a: 92 (q., as *rogeri*); Borgmeier, 1955: 252 (m.).

**Status as species**: Roger, 1863b: 36; Mayr, 1863: 459; Mayr, 1865: 77 (in key); Norton, 1868a: 62; Norton, 1868b: 45; Norton, 1868c: 7; Mayr, 1886b: 117 (in key); Emery, 1890b: 38; Dalla Torre, 1893: 4; Emery, 1894c: 178; Emery, 1894k: 45; Emery, 1896g: 33; Forel, 1899c: 27; Smith, M.R. 1931a: 16; Borgmeier, 1955: 250 (redescription); Kempf, 1961b: 486; Kempf, 1970b: 323; Kempf, 1972a: 102; Watkins, 1976: 9 (in key); Watkins, 1982: 209 (in key); Bolton, 1995b: 185; Palacio, 1999: 151 (in key); Wild, 2007b: 25; Branstetter & Sáenz, 2012: 254; Bezděčková, *et al.* 2015: 109; Palacio, 2019: 601.

**Senior synonym of rogeri**: Borgmeier, 1955: 250; Kempf, 1972a: 103; Bolton, 1995b: 185.

Distribution: Argentina, Belize, Bolivia, Brazil, Colombia, Costa Rica, Guatemala, Mexico, Paraguay, Peru.

Current subspecies: nominal plus *argentinum*, *goianum*, *latidens*, *moralum*, *panamense*.

*militarium* Santschi, 1929; see under **NEIVAMYRMEX**.

*minensis* Borgmeier, 1928; see under **NEIVAMYRMEX**.

*minutum* Jerdon, 1851; see under **TETRAPONERA**.

*modestum* Borgmeier, 1933; see under **NEIVAMYRMEX**.

*modificata* Forel, 1913; see under **NEIVAMYRMEX**.

*mojave* Smith, M.R. 1943; see under **NEIVAMYRMEX**.

**moralum**. *Eciton* (*Eciton*) *latidens* var. *moralus* Santschi, 1923g: 1259 (m.) FRENCH GUIANA.

Type-material: holotype male.

Type-locality: French Guiana: St Laurent du Maroni (*Le Moult*).

Type-depository: NHMB.

[Misspelled as *morulum* by Borgmeier, 1955: 250, Kempf, 1972a: 103.]

**Status as species:** Borgmeier, 1953: 13.

**Subspecies of mexicanum:** Borgmeier, 1955: 260 (redescription); Kempf, 1972a: 103;

Bolton, 1995b: 185.

Distribution: French Guiana.

*mordax* Santschi, 1929; see under **NOMAMYRMEX**.

**mutatum.** *Eciton vagans* subsp. *mutatum* Borgmeier, 1955: 242, pl. 11, fig. 7; pl. 14, fig. 8; pl. 19, fig. 12 (s.w.q.m.) COSTA RICA, PANAMA.

Type-material: holotype queen, 1 paratype queen, 8 paratype males, paratype workers (number not stated, "many").

Type-locality: holotype Costa Rica: San José (*Schmidt*); paratypes with same data.

Type-depository: MZSP.

**Subspecies of vagans:** Kempf, 1972a: 104; Bolton, 1995b: 185.

Distribution: Costa Rica, Panama.

*nero* Santschi, 1930; see under **LABIDUS**.

*nigrita* Emery, 1901; see under **LABIDUS**.

*nigrum* Jerdon, 1851; see under **TETRAPONERA**.

*nitens* Mayr, 1868; see under **NEIVAMYRMEX**.

*nocua* Santschi, 1921; see under **NEIVAMYRMEX**.

*obscura* Forel, 1914; see under **NEIVAMYRMEX**.

*obscurum* Forel, 1911; see under **NEIVAMYRMEX**.

*ogloblini* Santschi, 1934; see under **NEIVAMYRMEX**.

*omnivora* (Linnaeus), *sensu* Olivier, 1792; see under *Formica omnivora* Linnaeus, 1758.

*omnivora* (Linnaeus), *sensu* Pohl & Kollar, 1832; see under *Formica omnivora* Linnaeus, 1758.

*opacifrons* Wheeler, W.M. 1921; see under **LABIDUS**.

*opacithorax* Emery, 1894; see under **NEIVAMYRMEX**.

*orientalis* Karavaiev, 1926; see under **AENICTUS**.

*orthonotum* Borgmeier, 1933; see under **NEIVAMYRMEX**.

*oslari* Wheeler, W.M. 1908; see under **NEIVAMYRMEX**.

*pachycerus* Smith, F. 1858; see under **AENICTUS**.

**panamense.** *Eciton mexicanum* subsp. *panamense* Borgmeier, 1955: 257, pl. 55, figs. 5, 9 (s.w.) PANAMA (Barro Colorado I.).

Type-material: holotype queen, paratype workers (number not stated).

Type-locality: holotype Panama: Canal Zone, Barro Colorado Island, 29.iii.1946 (*Scheirla*); paratypes: workers with same data, workers Panama: Pequeni River (*Schneirla*), workers Panama: Canal Zone, Ancon, Coconut Palms (*Zetek*).

Type-depository: MZSP.

**Subspecies of mexicanum:** Kempf, 1972a: 103; Bolton, 1995b: 185.

Distribution: Panama.

*paraense* Forel, 1912; see under **NEIVAMYRMEX**.

**parvispinum.** *Eciton burchelli* var. *parvispina* Forel, 1899c: 23 (w.) GUATEMALA.

Type-material: syntype workers (number not stated).

Type-locality: Guatemala: Retalhuleu (*Stoll*).

Type-depositories: MHNG, NHMB.

**Subspecies of burchellii:** Emery, 1900a: 185; Emery, 1910b: 20; Santschi, 1925d: 222 (in key); Borgmeier, 1953: 8; Borgmeier, 1955: 189 (redescription); Kempf, 1972a: 101; Bolton, 1995b: 185.

**Senior synonym of *infumatum*:** Borgmeier, 1953: 19; Borgmeier, 1955: 178; Kempf, 1972a: 102; Bolton, 1995b: 185.

Distribution: Belize, Costa Rica, Guatemala, Honduras, Mexico, Nicaragua, Panama.

*pauxillum* Wheeler, W.M. 1903; see under ***NEIVAMYRMEX***.

*payarum* Forel, 1899; see under ***CHELIOMYRMEX***.

*peninsulare* Mann, 1926; see under ***NEIVAMYRMEX***.

*physognatha* Emery, 1900; see under ***NEIVAMYRMEX***.

*pilosa* Smith, F. 1858; see under ***NEIVAMYRMEX***.

*pittieri*. *Eciton pittieri* Forel, 1899c: 24, pl. 1, fig. 15 (w.) COSTA RICA.

Type-material: syntype workers (number not stated).

Type-locality: Costa Rica: Buenos Aires (*Pittier*).

Type-depository: MHNG.

Combination in *E. (Labidus)*: Emery, 1910b: 23;

combination in *E. (Holopone)*: Santschi, 1925b: 11.

Status as species: Emery, 1900a: 185; Emery, 1910b: 23.

Junior synonym of *hamatum*: Borgmeier, 1953: 9; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 185.

*planidorsum* Emery, 1906; see under ***NEIVAMYRMEX***.

*porrectognathum* Borgmeier, 1933; see under ***NEIVAMYRMEX***.

*postangulatum* Borgmeier, 1934; see under ***NEIVAMYRMEX***.

*praedator* Smith, F. 1858; see under ***LABIDUS***.

*pseudops* Forel, 1909; see under ***NEIVAMYRMEX***.

*punctaticeps* Emery, 1894; see under ***NEIVAMYRMEX***.

***quadriglume***. *Atta quadriglumis* Haliday, 1836: 328 (w.) BRAZIL (Rio de Janeiro, Santa Catarina).

Type-material: syntype workers (number not stated).

Type-locality: Brazil: Rio de Janeiro (*Graves*) (by restriction of Borgmeier, 1955: 196).

[Note: Haliday also recorded syntypes from Brazil: Santa Catarina (*Graves*).]

Type-depository: unknown.

[Note: type-material not in BMNH; Borgmeier, 1955: 196, reports that some Haliday material may be in Ireland: Dublin (datum from Horn & Kahle, 1935: 103).]

[Misspelled as *quadrigme* by Palacio, 1999: 151 (in key).]

Mayr, 1886b: 122 (s.); Emery, 1896g: 38 (m.); Reichensperger, 1924: 203 (q.).

Combination in *Eciton*: Smith, F. 1858b: 151;

combination in *E. (Eciton)*: Emery, 1910b: 21.

Junior synonym of *rapax*: Smith, F. 1858b: 151; Mayr, 1863: 409; Roger, 1863b: 36; Mayr, 1865: 78.

**Status as species:** Mayr, 1886b: 118 (in key); Emery, 1888c: 353; Dalla Torre, 1893: 5; Emery, 1894c: 177; von Jhering, 1894: 383; Forel, 1895b: 120; Emery, 1896g: 38; Emery, 1900a: 185; Forel, 1909a: 254; Emery, 1910b: 21; Forel, 1911c: 288; Luederwaldt, 1918: 37; Santschi, 1921g: 91; Borgmeier, 1923: 39; Santschi, 1923g: 1260; Bruch, 1934b: 122; Santschi, 1934c: 24; Borgmeier, 1953: 15; Borgmeier, 1955: 196 (redescription); Kempf, 1972a: 103; Watkins, 1976: 9 (in key); Bolton, 1995b: 185; Palacio, 1999: 151 (in key); Wild, 2007b: 25; Bezděcková, et al. 2015: 109; Palacio, 2019: 601.

**Senior synonym of *fargeavii*:** Emery, 1896g: 38; Emery, 1900a: 185; Emery, 1910b: 21; Wheeler, W.M. 1911f: 166; Luederwaldt, 1918: 37; Borgmeier, 1923: 39; Borgmeier, 1953: 15; Borgmeier, 1955: 196; Kempf, 1972a: 103; Bolton, 1995b: 185.

**Senior synonym of *lugubris*:** Mayr, 1886b: 118; Forel, 1892m: 29 (in text); Dalla Torre, 1893: 5; von Jhering, 1894: 382; Forel, 1895b: 120; Emery, 1910b: 21; Borgmeier, 1923: 39; Borgmeier, 1955: 196; Kempf, 1972a: 103; Bolton, 1995b: 185.

Distribution: Argentina, Brazil, Colombia, Panama, Paraguay, Peru.

*quitensis*. *Eciton hamatum* var. *quitensis* Forel, 1921b: 135 (s.w.) ECUADOR.

Type-material: syntype workers (number not stated).

Type-locality: Ecuador: nr Quito (*E. Naumann*).

Type-depository: MHNG.

Junior synonym of *drepanophorum*: Borgmeier, 1953: 9; Borgmeier, 1955: 223; Kempf, 1972a: 102; Bolton, 1995b: 185.

*radoszkowskii* Emery, 1900; see under **NEIVAMYRMEX**.

**rapax**. *Eciton rapax* Smith, F. 1855c: 163, pl. 13, figs. 3, 4 (s.w.) BRAZIL (Pará).

Type-material: holotype [*recte*: lectotype (by designation of Borgmeier, 1955: 211)] worker (major).

Type-locality: Brazil: Pará, Belém (*H.W. Bates*) (by restriction of Borgmeier, 1955: 211).

[Note: Smith originally also included minor workers in his type-series, from Brazil: Santarem (*Bates*); these were excluded from the type-series by Borgmeier, 1955: 211, who identified them as *E. burchellii*.]

Type-depository: BMNH.

[Note: in the figure legends of Smith, F. 1855c: 169, pl. 13, the name *rapax* is misspelled as *raptor*; an incorrect subsequent spelling that does not enter into homonymy.]

Mayr, 1886b: 118 (w.); Wheeler, G.C. & Wheeler, J. 1974c: 169 (l.); Rettenmeyer, 1974: 297 (q.m.).

Combination in *E. (Eciton)*: Emery, 1910b: 21;

combination in *E. (Holopone)*: Santschi, 1925b: 11;

combination in *Eciton*: Borgmeier, 1955: 211.

**Status as species:** Smith, F. 1858b: 151; Mayr, 1863: 409; Roger, 1863b: 36; Mayr, 1865: 77 (in key); Mayr, 1886b: 118 (in key); Dalla Torre, 1893: 5; Emery, 1894c: 179; Forel, 1895b: 120; Forel, 1901h: 49; Emery, 1910b: 21; Mann, 1916: 420; Borgmeier, 1923: 39; Wheeler, W.M. 1925a: 1; Borgmeier, 1953: 16; Borgmeier, 1955: 211 (redescription); Kempf, 1970b: 323; Kempf, 1972a: 103; Watkins, 1976: 9 (in key); Wheeler, G.C. & Wheeler, J. 1984: 270; Brandão, 1991: 341; Bolton, 1995b: 186; Palacio, 1999: 151 (in key); Bezděčková, et al. 2015: 110; Palacio, 2019: 601.

Distribution: Bolivia, Brazil, Colombia, Peru.

*raptans* Forel, 1911; see under **NEIVAMYRMEX**.

**raptor**, Smith, F. 1855, misspelling, see under *rapax*.

*raptor* Forel, 1911; see under **NEIVAMYRMEX**.

*rebellatum* Santschi, 1934; see under **NEIVAMYRMEX**.

*reichenspergeri*. *Eciton (Holopone) angustatum* st. *reichenspergeri* Santschi, 1925b: 12 (w.) BRAZIL (Minas Gerais).

Type-material: syntype workers (number not stated).

Type-locality: Brazil: Minas Gerais (*E. Luja*).

Type-depository: NHMB.

Junior synonym of *vagans*: Borgmeier, 1939: 405; Borgmeier, 1953: 13.

Junior synonym of *dubitatum*: Borgmeier, 1955: 229; Kempf, 1972a: 104; Bolton, 1995b: 186.

*richteri* Forel, 1913; see under **NEIVAMYRMEX**.

**rochai**. *Eciton rochai* Forel, 1908e: 65. *Nomen nudum*.

*rogeri*. *Eciton rogeri* Dalla Torre, 1892: 89.

Unnecessary replacement name for *mexicanum* Roger, 1863b: 205.

Status as species: Dalla Torre, 1893: 6; Emery, 1894c: 178; Emery, 1896h: 625; Forel, 1899c: 25; Emery, 1900a: 185; Wheeler, W.M. 1907a: 271; Emery, 1910b: 21; Forel, 1911c: 288; Mann, 1916: 420; Borgmeier, 1923: 40; Bruch, 1934b: 125; Borgmeier, 1939: 406.

Junior synonym of *mexicanum*: Borgmeier, 1955: 250; Kempf, 1972a: 103; Bolton, 1995b: 186.

*rosenbergi* Forel, 1911; see under **NEIVAMYRMEX**.

*rufipes* Jerdon, 1851; see under **TETRAPONERA**.

*rufonigrum* Jerdon, 1851; see under **TETRAPONERA**.

*schlechtendali* Mayr, 1887; see under **NOMAMYRMEX**.

*schmitti* Emery, 1894; see under **NEIVAMYRMEX**.

*sedulus* Menozzi, 1926; see under **LABIDUS**.

*selysi* Forel, 1904; see under **LABIDUS**.

*serpentis* Weber, 1938; see under **LABIDUS**.

**setigaster**. *Eciton setigaster* Borgmeier, 1953: 22 (m.) BRAZIL (Amazonas), PERU, BOLIVIA.

Type-material: holotype male, 6 paratype males.

Type-locality: holotype Brazil: Amazonas, Trapiche, 14.i.1931 (*R.C. Shannon*); paratypes: 2 males Peru: Tingo Maria, 700 m. (*Weyrauch*), 1 male Peru: Tingo Maria, Huanaco, 3.iv.1939 (*Woytkowski*), 1 male Bolivia: Chaparé, 400 m., 5.xii.1949 (*Zischka*), 2 males Bolivia: no. 11864 (no further data).

Type-depositories: USNM (holotype); CASC, MZSP (paratypes).

**Status as species**: Borgmeier, 1955: 273 (redescription); Kempf, 1960e: 387; Kempf, 1972a: 103; Watkins, 1976: 10 (in key); Bolton, 1995b: 186; Bezděková, *et al.* 2015: 110; Palacio, 2019: 601.

Distribution: Bolivia, Brazil, Colombia, Peru, Venezuela.

*shuckardi* Emery, 1900; see under **NEIVAMYRMEX**.

*silvestrii* Emery, 1906; see under **NEIVAMYRMEX**.

*simillima*. *Eciton simillima* Smith, F. 1855c: 164 (w.) BRAZIL (Pará).

Type-material: holotype(?) worker.

[Note: no indication of number of specimens is given.]

Type-locality: Brazil: Pará (*H.W. Bates*).

Type-depository: BMNH?

Junior synonym of *vagans*: Smith, F. 1858b: 151; Mayr, 1863: 409; Roger, 1863b: 36; Dalla Torre, 1893: 6; Forel, 1895b: 121; Forel, 1899c: 24; Emery, 1910b: 21; Borgmeier, 1923: 40; Borgmeier, 1953: 16; Borgmeier, 1955: 229; Kempf, 1972a: 103; Bolton, 1995b: 186.

*smithii* Dalla Torre, 1892; see under **LABIDUS**.

*spatulatum* Borgmeier, 1939; see under **NEIVAMYRMEX**.

*spegazzinii* Emery, 1888; see under **NEIVAMYRMEX**.

*spininode* Emery, 1890; see under **LABIDUS**.

*spoliator* Forel, 1899; see under **NEIVAMYRMEX**.

*subsulcatum* Mayr, 1886; see under **NEIVAMYRMEX**.

*sumichrasti* Norton, 1868; see under **NEIVAMYRMEX**.

*sundaica* Karavaiev, 1926; see under **AENICTUS**.

*taunayi* Borgmeier, 1928; see under **NEIVAMYRMEX**.

*tepeguas* Norton, 1868; see under **LABIDUS**.

*terrificum* Santschi, 1930; see under **NOMAMYRMEX**.

*testacea*. *Camptognatha testacea* Gray, G.R. 1832: 516, pl. 76, fig. 4 (w.) (no state data).

Type-material: holotype(?) worker.

[Note: no indication of number of specimens is given.]

Type-locality: none given.

Type-depository: unknown.

[Note: the entry in Gray, G.R. 1832: 516, says only, "We have also figured a species under the name of *Campygnathus testacea*, of Dr Leach's MSS., but which may probably be the *Eciton hamata* of Latreille".]

Junior synonym of *hamatum*: Mayr, 1863: 409; Borgmeier, 1955: 214; Kempf, 1972a: 102; Bolton, 1995b: 186.

*testaceum* Schenck, 1852; see under **STRONGYLOGNATHUS**.

*tristani* Borgmeier, 1939; see under **NEIVAMYRMEX**.

*triste* Forel, 1901; see under **NEIVAMYRMEX**.

*truncatidens* Santschi, 1920; see under **LABIDUS**.

**uncinatum**. *Eciton uncinatum* Borgmeier, 1953: 21, fig. 1 (m.) ECUADOR.

Type-material: holotype male.

Type-locality: Ecuador: Chimborazo, ix.1894 (Rosenberg).

Type-depository: MZSP.

**Status as species**: Borgmeier, 1955: 275 (redescription); Kempf, 1972a: 103; Watkins, 1976: 10 (in key); Bolton, 1995b: 186.

Distribution: Ecuador.

**urichi**. *Eciton burchelli* r. *urichi* Forel, 1899c: 24 (w.) TRINIDAD.

Type-material: syntype workers (number not stated).

Type-locality: Trinidad: (no further data) (*Urich*).

Type-depositories: MHNG, NHMB.

Weber, 1941c: 329 (q.).

Junior synonym of *foreli*: Borgmeier, 1939: 404.

**Subspecies of burchellii**: Emery, 1900a: 185; Wheeler, W.M. 1905b: 122; Emery, 1910b: 20; Wheeler, W.M. 1916d: 324; Wheeler, W.M. 1922c: 1; Santschi, 1925d: 222 (in key); Weber, 1941c: 329; Borgmeier, 1953: 8; Borgmeier, 1955: 190 (redescription); Kempf, 1972a: 102; Bolton, 1995b: 186.

Distribution: Trinidad.

*ursinum* Emery, 1901; see under **CHELIOMYRMEX**.

**vagans**. *Formica vagans* Olivier, 1792: 501 (w.) FRENCH GUIANA.

Type-material: holotype(?) worker.

[Note: no indication of number of specimens is given.]

Type-locality: French Guiana: Cayenne (*Tugni*).

Type-depository: unknown (perhaps MNHN).

Smith, F. 1855c: 162 (s.); Wheeler, W.M. 1912e: 206 (m.); Menozzi, 1931d: 188 (q.); Wheeler, G.C. & Wheeler, J. 1974c: 170 (l.).

Combination in *Eciton*: Smith, 1855c: 162;

combination in *E. (Eciton)*: Emery, 1910b: 21.

**Status as species**: Latreille, 1802c: 243; Smith, F. 1855c: 162; Smith, F. 1858b: 151; Mayr, 1863: 409; Roger, 1863b: 36; Mayr, 1886b: 118 (in key); Emery, 1890a: 55; Emery, 1890b: 38; Dalla Torre, 1893: 6; Emery, 1894c: 178; Emery, 1894k: 45; Forel, 1895b: 121; Emery, 1896h: 625; Forel, 1899c: 24; Forel, 1899d: 273; Wheeler, W.M. 1907a: 271; Forel, 1908e: 64; Forel, 1909a: 246; Emery, 1910b: 21; Forel, 1912c: 42; Mann, 1916: 420; Luederwaldt, 1918: 37; Santschi, 1920d: 363; Borgmeier, 1923: 40; Santschi, 1923g: 1259; Menozzi, 1931d: 188; Borgmeier, 1934: 93; Eidmann, 1936a: 28; Borgmeier, 1939: 405; Borgmeier, 1948b: 459; Borgmeier, 1953: 13; Borgmeier, 1955: 229 (redescription); Kempf, 1961b: 486; Kempf, 1970b: 323; Kempf, 1972a: 103; Watkins, 1976: 9 (in key); Watkins, 1982: 209 (in key); Wheeler, G.C. & Wheeler, J.

1984: 270; Bolton, 1995b: 186; Palacio, 1999: 151 (in key); Wild, 2007b: 25; Branstetter & Sáenz, 2012: 254; Palacio, 2019: 601.

**Senior synonym of *integrum*:** Borgmeier, 1953: 13; Borgmeier, 1955: 229; Kempf, 1972a: 103; Bolton, 1995b: 186.

**Senior synonym of *simillima*:** Smith, F. 1858b: 151; Mayr, 1863: 409; Roger, 1863b: 36; Dalla Torre, 1893: 6; Forel, 1895b: 121; Forel, 1899c: 24; Emery, 1910b: 21; Borgmeier, 1923: 40; Borgmeier, 1953: 16; Borgmeier, 1955: 229; Kempf, 1972a: 103; Bolton, 1995b: 186.

Distribution: Brazil, Colombia, French Guiana, Guatemala, Guyana, Paraguay.

Current subspecies: nominal plus *allognathum*, *angustatum*, *dispar*, *dubitatum*, *fur*, *mutatum*.

*vastator* Smith, F. 1860; see under ***LABIDUS***.

*velutatus*. *Eciton (Eciton) velutatus* Menozzi, 1926d: 30, fig. 1 (m.) COSTA RICA.

Type-material: 18 syntype males.

Type-locality: Costa Rica: Orosi (*Staudinger & Bang-Haas*).

Type-depositories: IEUB, NHMB.

Status as species: Borgmeier, 1939: 407.

Junior synonym of *jansoni*: Borgmeier, 1953: 11; Borgmeier, 1955: 270; Kempf, 1972a: 102; Bolton, 1995b: 186.

*viator*. *Eciton burchelli* var. *viator* Santschi, 1925d: 221 (s.w.) COLOMBIA, BRAZIL.

Type-material: syntype workers (number not stated).

Type-localities: Colombia: Magdalena, Bunda ("between Bunda and Don Diego"), 27.ii.1896 (A. Forel), and Brazil: Amazonas, Rio Puru (*Göldi*).

Type-depositories: MHNG, NHMB.

Junior synonym of *foreli*: Borgmeier, 1936: 54; Borgmeier, 1939: 404; Borgmeier, 1955: 178; Kempf, 1972a: 101; Bolton, 1995b: 186.

*westwoodi* Emery, 1900; see under ***LABIDUS***.

*wheeleri* Emery, 1901; see under ***NEIVAMYRMEX***.

*wilsoni* Santschi, 1920; see under ***NOMAMYRMEX***.

*xipe* Wheeler, W.M. 1914; see under ***NEIVAMYRMEX***.