

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

LABIDUS

amplipennis Smith, F. 1859; see under *NEIVAMYRMEX*.

atriceps. *Labidus atriceps* Smith, F. 1859b: 5 (m.) BRAZIL (Amazonas).

Type-material: holotype male.

Type-locality: Brazil: Ega (= Tefé), on the Amazon.

Type-depository: BMNH.

Combination in *Eciton* (*Labidus*): Emery, 1910b: 22.

Status as species: Mayr, 1863: 424; Roger, 1863b: 41; Dalla Torre, 1893: 1; Forel, 1895b: 118; Forel, 1911e: 256; Borgmeier, 1923: 41.

Junior synonym of *coecus*: Emery, 1900a: 186, 193; Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Gallardo, 1920: 326; Creighton, 1950a: 63; Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

europubens. *Eciton* (*Labidus*) *praedator* st. *auropubens* Santschi, 1920d: 366, fig. 3 (m.)

FRENCH GUIANA.

Type-material: holotype male.

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

Type-depository: NHMB.

Combination in *Labidus*: Borgmeier, 1953: 14.

Status as species: Borgmeier, 1953: 14; Borgmeier, 1955: 131 (redescription); Kempf, 1972a: 126; Watkins, 1976: 8 (in key); Bolton, 1995b: 219; Guénard & Economo, 2015: 226.

Distribution: French Guiana, Peru.

biloba. *Eciton coecum* var. *biloba* Emery, 1901d: 51 (m.) ECUADOR.

Type-material: 2 syntype males.

Type-locality: Ecuador: Paramba (coll. André).

Type-depository: MSNG (perhaps also MNHN).

Subspecies of *coecus*: Emery, 1910b: 22; Borgmeier, 1936: 58.

Junior synonym of *coecus*: Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

burchellii Westwood, 1842; see under *ECITON*.

coecus. *Formica coeca* Latreille, 1802c: 270, pl. 9, fig. 56 (s.) (no state data).

Type-material: holotype worker.

Type-locality: none given, "Amérique méridionale".

[Note: type-locality nominated as Suriname: Paramaribo, by Borgmeier, 1955: 87.]

Type-depository: possibly MHNG, possibly MNHN.

[Note: Latreille, 1802c: 271, says the specimen was "described from the collection of the naturalist Olivier." According to Horn & Kahle, 1935: 150, Horn & Kahle, 1936: 197, Olivier's collection is mostly in MNHN, with part in NMSE. Latreille's Hymenoptera material passed through the de Romand collection and ended up in MHNG.]

Roger, 1861a: 22 (w.); Emery, 1895c: 258 (m.); Bruch, 1934b: 116 (q.); Weber, 1941c: 325 (q.); Wheeler, G.C. 1943: 332 (l.).

Combination in *Labidus*: Jurine, 1807: 282;

combination in *Nycteresia*: Roger, 1861a: 22; Mayr, 1863: 436; Roger, 1863b: 21;

combination in *Eciton*: Mayr, 1865: 78; Mayr, 1886b: 119;

combination in *Eciton* (*Labidus*): Emery, 1910b: 22; Santschi, 1913h: 35;

combination in *Labidus*: Borgmeier, 1955: 86.

[Note: Dalla Torre, 1893: 5, Emery, 1894c: 179, Forel, 1895b: 120, and others, entered *Formica coeca* Latreille as a junior synonym of *Formica omnivora* Linnaeus, 1758: 581, *sensu* Olivier, 1792: 496. Synonymy error based on earlier misidentification of *omnivora*: see note under *Formica omnivora* Linnaeus, 1758: 581.]

Status as species: Jurine, 1807: 282; Roger, 1861a: 22; Roger, 1863b: 21; Mayr, 1863: 436; Mayr, 1865: 77 (in key); Mayr, 1886a: 33; Mayr, 1886b: 119 (in key); Mayr, 1886d: 440; Cresson, 1887: 259; Emery, 1888c: 353; Emery, 1890a: 56; Emery, 1890b: 38; Emery, 1894k: 45; Emery, 1895c: 258; Emery, 1896h: 625; Forel, 1899c: 25; Forel, 1899d: 273; Emery, 1900a: 186, 193; Wheeler, W.M. & Long, 1901: 158; Emery, 1906c: 108; Forel, 1907e: 1; Forel, 1908b: 40; Forel, 1908c: 346; Wheeler, W.M. 1908e: 408; Forel, 1909a: 249; Emery, 1910b: 22; Wheeler, W.M. 1910g: 562; Forel, 1911e: 256; Forel, 1912c: 43; Santschi, 1913h: 35; Forel, 1914e: 10; Bruch, 1914: 215; Wheeler, W.M. 1914b: 40; Mann, 1916: 421; Crawley, 1916b: 368; Santschi, 1916b: 510; Luederwaldt, 1918: 37; Gallardo, 1920: 326; Wheeler, W.M. 1921d: 310; Mann, 1922: 19; Borgmeier, 1923: 41; Wheeler, W.M. 1923a: 2; Santschi, 1923g: 1261; Wheeler, W.M. 1925a: 2; Wheeler, W.M. 1925a: 2; Menozzi, 1927c: 267; Menozzi, 1931b: 260; Kutter, 1932: 207; Borgmeier, 1934: 93; Bruch, 1934b: 119; Eidmann, 1936a: 28; Borgmeier, 1936: 57; Stitz, 1937: 132; Weber, 1941c: 325; Wheeler, G.C. 1943: 332; Borgmeier, 1948b: 459; Creighton, 1950a: 62; Smith, M.R. 1951a: 779; Borgmeier, 1953: 15; Borgmeier, 1955: 86 (redescription); Smith, M.R. 1958c: 108; Kempf, 1960e: 387; Kempf, 1961b: 485; Smith, M.R. 1967: 345; Kempf, 1970b: 323; Kempf, 1972a: 126; Kempf & Lenko, 1976: 47; Watkins, 1976: 8 (in key); Smith, D.R. 1979: 1328; Watkins, 1982: 209 (in key); Wheeler, G.C. & Wheeler, J. 1984: 272; Watkins, 1985: 481; Bolton, 1995b: 219; Palacio, 1999: 154 (in key); Wild, 2007b: 25; Branstetter & Sáenz, 2012: 254; Bezděcková, *et al.* 2015: 110; Palacio, 2019: 607.

Senior synonym of *atriceps*: Emery, 1900a: 186, 193; Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Gallardo, 1920: 326; Creighton, 1950a: 63; Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *biloba*: Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *elsbethae*: Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *erratica*: Mayr, 1886b: 119; Forel, 1899c: 26; Wheeler, W.M. & Long, 1901: 158; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 36; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *fulvescens*: Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 35; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *grassator*: Borgmeier, 1923: 41; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *incerta*: André, in Forel, 1899c: 160 (footnote); Emery, 1900a: 193; Wheeler, W.M. & Long, 1901: 158; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Wheeler, W.M. 1911f: 171; Santschi, 1913h: 36; Gallardo, 1920: 327; Borgmeier, 1923:

41; Bruch, 1934b: 116; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *jurinii*: Mayr, 1886a: 33; Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Santschi, 1913h: 35; Bruch, 1934b: 115; Creighton, 1950a: 63; Borgmeier, 1953: 15; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *kulowi*: Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *latreillii*: Emery, 1895c: 258; Emery, 1900a: 186, 193; Wheeler, W.M. & Long, 1901: 158; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Wheeler, W.M. 1911f: 165; Santschi, 1913h: 35; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *nigrita*: Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *opacifrons*: Borgmeier, 1953: 19; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *panzeri*: Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *pilosus*: Emery, 1900a: 187; Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 36; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *rubra*: Emery, 1895c: 258; Wheeler, W.M. & Long, 1901: 158; Wheeler, 1902f: 26; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 35; Gallardo, 1920: 327; Borgmeier, 1923: 41; Creighton, 1950a: 63; Smith, M.R. 1951a: 779; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *sayi*: Emery, 1895c: 258; Emery, 1900a: 186; Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 35; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Smith, M.R. 1951a: 779; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *selysi*: Emery, 1910b: 22; Santschi, 1913h: 36; Gallardo, 1920: 327; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *serpentis*: Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *servillei*: Forel, 1899c: 26; Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Borgmeier, 1953: 17; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *smithii*: Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 36; Gallardo, 1920: 327; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Senior synonym of *vastator*: Mayr, 1865: 78; Forel, 1899c: 26; Wheeler, W.M. & Long, 1901: 158; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 36; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Material of the unavailable name *hostilis* referred here by Borgmeier, 1953: 14; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

Distribution: Argentina, Belize, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, French Guiana, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, U.S.A., Venezuela
curtisii Shuckard, 1840; see under **DORYLUS**.

curvipes. *Eciton curvipes* Emery, 1900a: 180 (m.) COSTA RICA.

Type-material: holotype male.

Type-locality: Costa Rica: Chirripó, v.1896, Anastasio Alfaro (*A. Brade*).

Type-depository: MSNG.

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

combination in *Labidus*: Borgmeier, 1953: 6.

Status as species: Emery, 1910b: 23; Forel, 1912c: 43; Borgmeier, 1955: 133 (redescription); Kempf, 1972a: 127; Watkins, 1976: 8 (in key); Bolton, 1995b: 219; Palacio, 1999: 154 (in key); Palacio, 2019: 607.

Distribution: Colombia, Costa Rica, Ecuador.

denticulatus. *Labidus nero* subsp. *denticulatus* Borgmeier, 1955: 129, pl. 55, figs. 1-3 (m.) BRAZIL (Pará).

Type-material: holotype male.

Type-locality: Brazil: S Pará, Serra do Cachimbo, between Xingu and Tapajoz, catchment area of the Tapajoz, 420 m., 9°22'S, 54°54'W, ix.1953, at light (*H. Sick*).

Type-depository: MZSP.

Subspecies of *nero*: Kempf, 1972a: 127; Bolton, 1995b: 219.

Subspecies of *mars*: Nascimento, *et al.* 2004: 618 (by implication).

Distribution: Brazil.

dorbignii Shuckard, 1840; see under **NEIVAMYRMEX**.

elsbethae. *Eciton (Labidus) coecum* var. *elsbethae* Forel, 1922: 91 (m.) COLOMBIA.

Type-material: holotype male.

Type-locality: Colombia: Rio Frio (*A. Forel*).

Type-depository: MHNG.

Subspecies of *coecus*: Borgmeier, 1936: 58.

Junior synonym of *coecus*: Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 219.

emiliae. *Eciton (Labidus) praedator* subsp. *emiliae* Mann, 1916: 421 (s.w.) BRAZIL (Pará).

Type-material: syntype workers (number not stated, "a large series").

Type-locality: Brazil: Colonia de Veado, nr Obidos (*E. Snethlage*).

Type-depositories: MCZC, USNM.

Subspecies of *praedator*: Borgmeier, 1923: 44; Wheeler, W.M. 1923a: 2; Wheeler, W.M. 1925a: 2.

Junior synonym of *praedator*: Borgmeier, 1953: 10; Borgmeier, 1955: 103; Kempf, 1972a: 128; Bolton, 1995b: 219.

erichsonii Westwood, 1842; see under **NEIVAMYRMEX**.

erratica. *Eciton erratica* Smith, F. 1860c: 71 (w.) BRAZIL (Amazonas).

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

Type-locality: Brazil: Ega (= Tefé) (*H.W. Bates*).

Type-depository: BMNH.

Status as species: Mayr, 1863: 409; Roger, 1863b: 36.

[Note: Dalla Torre, 1893: 5, entered *erratica* as a junior synonym of *Formica omnivora* Linnaeus, 1758: 581, *sensu* Olivier, 1792: 496. Synonymy error based on an earlier misidentification of *omnivora*: see under *Formica omnivora* Linnaeus, 1758: 581.]

Junior synonym of *coecus*: Mayr, 1886b: 119; Forel, 1899c: 26; Wheeler, W.M. & Long, 1901: 158; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 36; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

esenbeckii Westwood, 1842; see under **NEIVAMYRMEX**.

fargeavii Shuckard, 1840; see under **ECITON**.

ferruginea. *Eciton tepeguas* var. *ferruginea* Norton, 1868b: 46 (s.) MEXICO (no state data, probably Veracruz).

Type-material: holotype worker.

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

Type-depository: unknown (no material known to exist).

Subspecies of *praedator*: Dalla Torre, 1893: 5; Forel, 1899c: 26; Emery, 1900a: 186, 193; Emery, 1910b: 23.

Junior synonym of *praedator*: Borgmeier, 1955: 86; Kempf, 1972a: 128; Bolton, 1995b: 220.

fonscolombii Westwood, 1842; see under **NEIVAMYRMEX**.

fulvescens. *Mutilla (Labidus) fulvescens* Blanchard, 1846, pl. 118, fig. 2 (m.) BRAZIL (no state data).

Type-material: holotype male.

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

Type-depository: MNHN.

[Note: type-depository according to Horn & Kahle, 1935: 21.]

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

Status as species: Dalla Torre, 1893: 2.

Subspecies of *coecus*: Emery, 1900a: 187, 193.

Junior synonym of *coecus*: Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 35; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

grassator. *Eciton grassator* Forel, 1911c: 288 (w.) BRAZIL (São Paulo).

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

Type-localities: Brazil: E São Paulo, Ypiranga (*Lüderwaldt*), and E São Paulo, Raiz da Serra (*von Ihering*).

Type-depository: MHNG.

Subspecies of *coecus*: Forel, 1911d: 396 (footnote); Santschi, 1923g: 1260; Wheeler, W.M. 1925a: 2; Borgmeier, 1936: 58.

Junior synonym of *coecus*: Borgmeier, 1923: 41; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

gravenhorstii Westwood, 1842; see under **NEIVAMYRMEX**.

guerinii Shuckard, 1840; see under **NEIVAMYRMEX**.

guianense. *Eciton (Labidus) praedator* var. *guianense* Wheeler, W.M. 1921d: 311 (in text) (s.w.) GUYANA, COLOMBIA.

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

Type-localities: Guyana ("British Guiana"): Kartabo, 1920 (*W.M. Wheeler*), and Colombia: Esperanza (*A. Forel*).

Type-depository: MCZC (probably also in MHNG).

Junior synonym of *praedator*: Borgmeier, 1953: 19; Borgmeier, 1955: 103; Kempf, 1972a: 128; Bolton, 1995b: 220.

halidaii Shuckard, 1840; see under *NEIVAMYRMEX*.

harrisii Haldeman, 1852; see under *NEIVAMYRMEX*.

hartigii Westwood, 1842; see under *NOMAMYRMEX*.

hopei Shuckard, 1840; see under *NEIVAMYRMEX*.

hostilis. *Eciton (Labidus) caecum* st. *servillei* var. *hostilis* Santschi, 1920d: 368 (m.) FRENCH GUIANA; unavailable (infrasubspecific) name.

[Note: material included: French Guiana: Nouveau Chantier (*Le Moult*), and Maroni (*Le Moult*); 3 males, of which 2 deposited in NHMB (no type status).]

As unavailable (infrasubspecific) name: Borgmeier, 1936: 58; Borgmeier, 1953: 14.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 220.

Material referred to *coecus* by Borgmeier, 1953: 14; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328.

illigeri Shuckard, 1840; see under *NEIVAMYRMEX*.

incerta. *Pseudodichthadia incerta* André, 1885: 840, figs. 1-5 (q.) MEXICO (Guanajuato).

Type-material: holotype queen.

Type-locality: Mexico: Guanajuato, Tupataro (*Lichtenstein*).

Type-depository: MNHN.

Status as species: Dalla Torre, 1893: 7; Forel, 1899c: 30.

Junior synonym of *coecus*: André, in Forel, 1899c: 160 (footnote); Emery, 1900a: 193; Wheeler, W.M. & Long, 1901: 158; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Wheeler, W.M. 1911f: 171; Santschi, 1913h: 36; Gallardo, 1920: 327; Borgmeier, 1923: 41; Bruch, 1934b: 116; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

jurinii. *Labidus jurinii* Shuckard, 1840a: 198 (m.) GUYANA.

Type-material: holotype male.

Type-locality: Guyana: Demerara.

Type-depository: BMNH?

[Misspelled as *jurinei* by Dalla Torre, 1893: 4, Forel, 1895b: 120, Borgmeier, 1923: 42.]

Combination in *Eciton*: Dalla Torre, 1893: 4.

Status as species: Westwood, 1842: 75; Smith, F. 1859b: 5; Roger, 1863b: 41; Mayr, 1863: 424; Dalla Torre, 1893: 4; Forel, 1895b: 120.

Subspecies of *coecus*: Emery, 1900a: 193; Emery, 1910b: 22; Forel, 1912c: 43; Gallardo, 1920: 332; Santschi, 1921g: 92; Borgmeier, 1923: 42; Borgmeier, 1936: 58.

Junior synonym of *coecus*: Mayr, 1886a: 33; Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Santschi, 1913h: 35; Bruch, 1934b: 115; Creighton, 1950a: 63; Borgmeier, 1953: 15; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

kirbii Shuckard, 1840; see under *DORYLUS*.

klugii Shuckard, 1840; see under *NEIVAMYRMEX*.

kulowi. *Eciton coecum* r. *kulowi* Forel, 1901h: 47 (m.) MEXICO (Chiapas).

Type-material: holotype male.

Type-locality: Mexico: Chiapas, Soconusco, 1120 m. (*H. & H. Kulow*).

Type-depository: unknown (originally described from Hamburg Museum, destroyed in World War II; possibly in MHNG).

Junior synonym of *nigrita*: Emery, 1910b: 23.

Subspecies of *coecus*: Borgmeier, 1953: 9.

Junior synonym of *coecus*: Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

latreillii. *Labidus latreillii* Jurine, 1807: 283 (m.) SURINAME.

Type-material: 2 syntype males.

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

Type-depository: MHNG (after Emery, 1895c: 258 (in text)).

[Misspelled as *latreillei* by Roger, 1863b: 41, Dalla Torre, 1893: 4, and many others.]

Combination in *Ecton*: Dalla Torre, 1893: 4.

Status as species: Latreille, 1809: 123; Latreille, 1810: 437; Leach, 1815: 147; Latreille, 1817f: 141; Lepeletier de Saint-Fargeau, 1835: 229; Haliday, 1836: 328; Westwood, 1842: 75; Smith, F. 1859b: 5; Roger, 1863b: 41; Forel, 1886a: 217; Dalla Torre, 1893: 4; Forel, 1895b: 120.

Junior synonym of *coecus*: Emery, 1895c: 258; Emery, 1900a: 186, 193; Wheeler, W.M. & Long, 1901: 158; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Wheeler, W.M. 1911f: 165; Santschi, 1913h: 35; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

latreillii Perty, 1833; see under **NEIVAMYRMEX**.

mars. *Ecton (Labidus) mars* Forel, 1912c: 44 (s.w.) BRAZIL (Ceará).

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

Type-locality: Brazil: Ceará (*Diaz da Rocha*).

Type-depositories: MHNG, MSNG, NHMB.

[*Ecton mars* Forel, 1908e: 65. *Nomen nudum*.]

Combination in *Labidus*: Borgmeier, 1953: 8.

Status as species: Borgmeier, 1923: 43; Borgmeier, 1955: 121 (redescription); Kempf, 1969: 274; Kempf, 1972a: 127; Watkins, 1976: 8 (in key); Bolton, 1995b: 220; Wild, 2007b: 25; Guénard & Economo, 2015: 226.

Senior synonym of nero: Nascimento, *et al.* 2004: 618.

Distribution: Brazil, Paraguay, Peru.

Current subspecies: nominal plus *denticulatus*.

melshaemeri Haldeman, 1852; see under **NEIVAMYRMEX**.

mexicanus Smith, F. 1859; see under **NEIVAMYRMEX**.

minor Cresson, 1872; see under **NEIVAMYRMEX**.

morosus Smith, F. 1859; see under **CHELIOMYRMEX**.

nero. *Ecton (Labidus) coecum* st. *nero* Santschi, 1930e: 82 (m.) BRAZIL (no state data).

Type-material: holotype male (petiole + gaster missing).

Type-locality: Brazil: (no further data), 15.x.1928 (*Reichensperger*).

Type-depository: NHMB.

Combination in *Labidus*: Borgmeier, 1953: 14.

Subspecies of *coecus*: Borgmeier, 1936: 58.

Status as species: Borgmeier, 1953: 14; Borgmeier, 1955: 127 (redescription); Kempf, 1972a: 127; Watkins, 1976: 8 (in key); Bolton, 1995b: 220.

Junior synonym of *mars*: Nascimento, *et al.* 2004: 618.

nigrescens Cresson, 1872; see under **NEIVAMYRMEX**.

nigrita. *Ecton nigrita* Emery, 1901d: 52, fig. 5 (m.) GUATEMALA.

Type-material: holotype male.

Type-locality: Guatemala (no further data).

Type-depository: MNHN.

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

combination in *Labidus*: Borgmeier, 1953: 6.

Subspecies of *praedator*: Santschi, 1925b: 11.

Status as species: Emery, 1910b: 23; Borgmeier, 1936: 58.

Subspecies of *coecus*: Borgmeier, 1953: 6.

Junior synonym of *coecus*: Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

opacifrons. *Eciton (Labidus) coecum* var. *opacifrons* Wheeler, W.M. 1921d: 310 (in text) (w.) BRAZIL (Pará).

Type-material: holotype worker.

Type-locality: Brazil: Pará (W.M. Mann).

Type-depository: MCZC.

Subspecies of *coecus*: Borgmeier, 1936: 58.

Junior synonym of *coecus*: Borgmeier, 1953: 19; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

panzeri. *Labidus panzeri* Smith, F. 1859b: pl. 2, fig. 2 (m. forewing) (no state data).

Type-material: holotype male.

Type-locality: none given.

Type-depository: BMNH?

[Note: the only mention of *panzeri* in Smith, F. 1859b is the forewing drawing that is pl. 2, fig. 2. The name does not appear in the text, nor is it in the index.]

Combination in *Eciton (Acamatus)*: Emery, 1910b: 27.

Status as species: Emery, 1910b: 27.

Junior synonym of *coecus*: Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

pertii Shuckard, 1840; see under *NEIVAMYRMEX*.

pilosus. *Labidus pilosus* Smith, F. 1859b: 7 (m.) BRAZIL (São Paulo).

Type-material: holotype male.

Type-locality: Brazil: St Paul's (= São Paulo) (H.W. Bates).

Type-depository: BMNH

Junior synonym of *coecus*: Emery, 1900a: 187; Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 36; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

praedator. *Eciton praedator* Smith, F. 1858b: 152 (s.w.) BRAZIL (Amazonas).

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

Type-locality: Brazil: Ega (= Tefé) (no collector's name, perhaps H.W. Bates).

Type-depository: BMNH

Forel, 1906d: 246 (m.); Luederwaldt, 1918: 54 (q.).

Combination in *E. (Labidus)*: Emery, 1910b: 23; Bruch, 1914: 215;

combination in *Labidus*: Borgmeier, 1953: 16.

Status as species: Mayr, 1863: 409; Roger, 1863b: 36; Mayr, 1865: 77 (in key); Mayr, 1886b: 118; Dalla Torre, 1893: 5; Emery, 1894c: 180; von Jhering, 1894: 381; Forel, 1895b: 120; Forel, 1899c: 26; Emery, 1900a: 193; Forel, 1906d: 246; Emery, 1906c: 108; Wheeler, W.M. 1907a: 271; Forel, 1907e: 2; Forel, 1908b: 40; Forel, 1908c: 346; Emery, 1910b: 23; Forel, 1912c: 43; Bruch, 1914: 215; Mann, 1916: 421; Santschi, 1916e: 368; Luederwaldt, 1918: 54; Santschi, 1919f: 39; Gallardo, 1920: 333; Santschi, 1920d: 366; Bruch, 1921: 181; Wheeler, W.M. 1921d: 310; Mann, 1922: 19; Borgmeier, 1923: 43; Wheeler, W.M. 1923a: 2; Wheeler, W.M. 1925a: 2; Santschi, 1930e: 83; Santschi, 1931e: 274; Menozzi, 1935b: 189; Stitz, 1937: 132; Borgmeier, 1948b: 460; Borgmeier, 1953:

10, 19; Borgmeier, 1955: 103 (redescription); Kempf, 1961b: 485; Kempf, 1972a: 127; Kempf & Lenko, 1976: 47; Watkins, 1976: 8 (in key); Watkins, 1982: 210 (in key); Bolton, 1995b: 220; Palacio, 1999: 153 (in key); Wild, 2007b: 25; Branstetter & Sáenz, 2012: 254; Bezděčková, *et al.* 2015: 110; Palacio, 2019: 607.

Senior synonym of *emiliae*: Borgmeier, 1953: 10; Borgmeier, 1955: 103; Kempf, 1972a: 128; Bolton, 1995b: 220.

Senior synonym of *ferruginea*: Borgmeier, 1955: 103; Kempf, 1972a: 128; Bolton, 1995b: 220.

Senior synonym of *guianense*: Borgmeier, 1953: 19; Borgmeier, 1955: 103; Kempf, 1972a: 128; Bolton, 1995b: 220.

Senior synonym of *tepeguas*: Mayr, 1886b: 118; Dalla Torre, 1893: 5; Forel, 1899c: 26; Emery, 1910b: 23; Gallardo, 1920: 333; Borgmeier, 1923: 43; Borgmeier, 1955: 103; Kempf, 1972a: 127; Bolton, 1995b: 220.

Senior synonym of *westwoodi*: Emery, 1910b: 23; Gallardo, 1920: 333; Santschi, 1920d: 366; Borgmeier, 1923: 44; Borgmeier, 1955: 103; Kempf, 1972a: 128; Bolton, 1995b: 220.

Distribution: Argentina, Belize, Bolivia, Brazil, Colombia, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru.

Current subspecies: nominal plus *sedulus*.

romandii Shuckard, 1840; see under *NEIVAMYRMEX*.

rubra. *Myrmica rubra* Buckley, 1867: 335 (w.) U.S.A. (Texas).

Type-material: syntype workers.

Type-locality: U.S.A.: W Texas, McCulloch County (*Buckley*).

Type-depository: unknown (no material known to exist).

Combination in *Ectiton*: Emery, 1895c: 258.

Status as species: Cresson, 1887: 261; Dalla Torre, 1893: 115.

Junior synonym of *coecus*: Emery, 1895c: 258; Wheeler, W.M. & Long, 1901: 158; Wheeler, 1902f: 26; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 35; Gallardo, 1920: 327; Borgmeier, 1923: 41; Creighton, 1950a: 63; Smith, M.R. 1951a: 779; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

sayi. *Labidus saji* Haldeman, 1852: 367, pl. 9, figs. 1-3 (m.) U.S.A. (Texas).

Type-material: holotype male.

Type-locality: U.S.A.: Texas, Fort Gates (*H. Haldeman*).

Type-depository: unknown.

[Justified emendation of spelling to *sayi*: Roger, 1863b: 42.]

[Misspelled as *says* by Santschi, 1913h: 35.]

Combination in *Ectiton* (*Labidus*): Mayr, 1886d: 440.

Status as species: Roger, 1863b: 42; Mayr, 1863: 425; Mayr, 1886d: 440; Cresson, 1872: 194; Cresson, 1887: 259.

Subspecies of *servillei*: Emery, 1890b: 39.

Subspecies of *latreillii*: Dalla Torre, 1893: 4.

Subspecies of *coecus*: Santschi, 1923g: 1261; Borgmeier, 1936: 58.

Junior synonym of *coecus*: Emery, 1895c: 258; Emery, 1900a: 186; Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 35; Gallardo, 1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Smith, M.R. 1951a: 779; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

sedulus. *Eciton (Labidus) sedulus* Menozzi, 1926d: 30, fig. 2 (m.) COLOMBIA.

Type-material: holotype male.

Type-locality: Colombia: Haso (*Staudinger & Bang-Haas*).

Type-depository: IEUB.

Borgmeier, 1955: 112 (s.w.); Borgmeier, 1958: 198 (q.).

Combination in *Labidus*: Borgmeier, 1953: 11.

Status as species: Borgmeier, 1939: 407.

Subspecies of *praedator*: Borgmeier, 1953: 11; Borgmeier, 1955: 112; Borgmeier, 1958:

198; Kempf, 1972a: 128; Bolton, 1995b: 220.

Distribution: Bolivia, Colombia, Costa Rica. Panama.

selysi. *Eciton selysi* Forel, 1904d: 169 (w.) BRAZIL (Espírito Santo).

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

Type-locality: Brazil: Espírito Santo (*Frühstorfer*).

Type-depository: MHNG.

Combination in *Labidus*: Borgmeier, 1953: 8.

Subspecies of *coecus*: Forel, 1905b: 157; Santschi, 1916e: 368; Santschi, 1923g: 1260; Borgmeier, 1923: 42; Borgmeier, 1936: 58.

Junior synonym of *coecus*: Emery, 1910b: 22; Santschi, 1913h: 36; Gallardo, 1920: 327; Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

serpentis. *Eciton (Labidus) serpentis* Weber, 1938a: 209 (w.) GUYANA.

Type-material: syntype workers (number not stated, "a series....mostly in fragments").

Type-locality: Guyana ("British Guiana"): nr junction of Oronque and New Rivers, Courantyne basin, 1.viii.1936, from stomach of *Typhlops reticulatus* (L.) (N.A. Weber).

Type-depository: AMNH (possibly also MCZC).

Junior synonym of *coecus*: Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

servillei. *Labidus servillei* Westwood, 1842: 75, pl. 20, fig. 2 (m.) BRAZIL (Pará).

Type-material: holotype male.

Type-locality: Brazil: Pará, 1.ii.1830 (*W. Burchell*).

Type-depository: OXUM.

Combination in *Eciton*: Dalla Torre, 1893: 4;

combination in *Eciton (Labidus)*: Emery, 1890b: 39; Santschi, 1920d: 368.

Status as species: Smith, F. 1859b: 5; Roger, 1863b: 42; Mayr, 1863: 425; Emery, 1890b: 39; Emery, 1894k: 46.

Subspecies of *latreillii*: Emery, in Dalla Torre, 1893: 4; Forel, 1895b: 120; Emery, 1896g: 36.

Subspecies of *coecus*: Emery, 1900a: 186, 193; Emery, 1910b: 23; Forel, 1912c: 43; Santschi, 1920d: 368; Borgmeier, 1936: 58.

Junior synonym of *coecus*: Forel, 1899c: 26; Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Borgmeier, 1953: 17; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

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

Unnecessary replacement name for *Labidus pilosus* Smith, F. 1859b: 7.

Status as species: Dalla Torre, 1893: 6; Forel, 1895b: 121.

Subspecies of *coecus*: Emery, 1900a: 186, 193.

Junior synonym of *coecus*: Wheeler, W.M. & Long, 1901: 159; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 36; Gallardo, 1920: 327; Borgmeier, 1923: 41;

Creighton, 1950a: 63; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

spininodis. *Eciton spininode* Emery, 1890b: 38 (w.) COSTA RICA.

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

Type-locality: Costa Rica: Alajuela, 1889 (*A. Alfaro*).

Type-depositories: BMNH, MHNG, MSNG, MZSP.

[Also described as new by Emery, 1894k: 45.]

Borgmeier, 1955: 118 (s.).

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

combination in *Labidus*: Borgmeier, 1953: 6.

Status as species: Dalla Torre, 1893: 6; Forel, 1899c: 28; Emery, 1900a: 193; Emery, 1910b: 23; Santschi, 1929f: 84; Borgmeier, 1955: 118 (redescription); Kempf, 1972a: 128; Watkins, 1976: 8 (in key); Bolton, 1995b: 220; Palacio, 1999: 154 (in key); Guénard & Economo, 2015: 226; Palacio, 2019: 607.

Distribution: Brazil, Colombia, Costa Rica.

spinolae Shuckard, 1840; see under **DORYLUS**.

spinolae Westwood, 1842; see under **NEIVAMYRMEX**.

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

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

swainsonii Shuckard, 1840; see under **NEIVAMYRMEX**.

tepeguas. *Eciton tepeguas* Norton, 1868b: 46 (s.) MEXICO (no state data).

Type-material: holotype worker.

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

[Note: Borgmeier, 1955: 113 nominated Mexico: Veracruz.]

Type-depository: unknown (no material known to exist).

Junior synonym of *praedator*: Mayr, 1886b: 118; Dalla Torre, 1893: 5; Forel, 1899c: 26; Emery, 1910b: 23; Gallardo, 1920: 333; Borgmeier, 1923: 43; Borgmeier, 1955: 103; Kempf, 1972a: 127; Bolton, 1995b: 220.

thwaitsii Shuckard, 1840; see under **DORYLUS**.

truncatidens. *Eciton (Labidus) truncatidens* Santschi, 1920d: 367, fig. 4 (m.) FRENCH GUIANA.

Type-material: 9 syntype males.

Type-locality: French Guiana (= “Guyane française”; not “Guinée française” as printed (= Guinea, West Africa): St Jean du Maroni (*Le Moutt*).

Type-depositories: MHNG, MSNG, MZSP, NHMB.

[Note: according to Horn & Kahle, 1935: 152, the remaining syntypes should be in MNHN.]

Combination in *Labidus*: Borgmeier, 1953: 13.

Status as species: Borgmeier, 1955: 124 (redescription); Kempf, 1960e: 387; Kempf, 1972a: 128; Watkins, 1976: 8 (in key); Bolton, 1995b: 220.

Distribution: French Guiana.

vastator. *Eciton vastator* Smith, F. 1860c: 71 (w.) BRAZIL (Amazonas).

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

Type-locality: Brazil: Ega (= Tefé) (*H.W. Bates*).

Type-depository: BMNH.

Status as species: Mayr, 1863: 409; Roger, 1863b: 36.

[Note: Dalla Torre, 1893: 5; Forel, 1895b: 120, entered *vastator* as a junior synonym of *Formica omnivora* Linnaeus, 1758: 581, *sensu* Olivier, 1792: 496. Synonymy error based on earlier misidentification of *omnivora*: see under *Formica omnivora* Linnaeus, 1758: 581.]

Junior synonym of *coecus*: Mayr, 1865: 78; Forel, 1899c: 26; Wheeler, W.M. & Long, 1901: 158; Wheeler, W.M. 1908e: 408; Emery, 1910b: 22; Santschi, 1913h: 36; Gallardo,

1920: 326; Borgmeier, 1923: 41; Creighton, 1950a: 63; Borgmeier, 1953: 16; Borgmeier, 1955: 86; Kempf, 1972a: 127; Smith, D.R. 1979: 1328; Bolton, 1995b: 220.

walkerii Westwood, 1842; see under *NEIVAMYRMEX*.

westwoodii Shuckard, 1840; see under *DORYLUS*.

westwoodi. *Eciton westwoodi* Emery, 1900a: 180 (m.) MEXICO (no state data), BRAZIL (Santa Catarina).

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

Type-localities: Mexico: (no further data), and Brazil: Santa Catarina (no collector's name).

Type-depositories: MSNG, NHMW.

Status as species: Forel, 1907e: 2.

Junior synonym of *praedator*: Emery, 1910b: 23; Gallardo, 1920: 333; Santschi, 1920d: 366; Borgmeier, 1923: 44; Borgmeier, 1955: 103; Kempf, 1972a: 128; Bolton, 1995b: 220.