PROCERATIUM

algiricum. *Proceratium (Sysphingta) algiricum* Forel, 1899b: 305 (w.) ALGERIA.

Type-material: holotype worker.
Type-locality: Algeria: Laverdure (*A. Forel*).
Type-depository: MHNG.
Santschi, 1929e: 139 (q.).
Combination in *Sysphincta*: Emery, 1909c: 362;
combination in *Proceratium*: Brown, 1958g: 247.
Status as species: Emery, 1909c: 362; Santschi, 1910d: 71; Emery, 1911d: 51; Karavaiev, 1912a: 2; Santschi, 1929e: 139; Santschi, 1939d: 66; Kratochvíl, in Kratochvíl, *et al*. 1944: 58 (in key); Brown, 1958g: 247, 331; Cagniant, 1968a: 142; Cagniant, 1970a: 413; Baroni Urbani, 1977d: 92; Agosti & Collingwood, 1987a: 53; Agosti & Collingwood, 1987b: 264 (in key); Bolton, 1995b: 366; Poldi, *et al*. 1995: 2; Baroni Urbani & De Andrade, 2003b: 219 (redescription); Bračko, 2006: 134; Cagniant, 2006a: 195; Petrov, 2006: 83 (in key); Legakis, 2011: 4; Borowiec, L. & Salata, 2012: 531; Borowiec, L. 2014: 149; Lebas, *et al*. 2016: 408; Salata & Borowiec, 2018c: 22.
Senior synonym of *mayri*: Baroni Urbani, 1977d: 92; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 219; Legakis, 2011: 4; Salata & Borowiec, 2018c: 22.
Distribution: Algeria, Croatia, Greece, Italy (+ Sicily), Malta, Morocco, Serbia, Tunisia.

amazonicum. *Proceratium amazonicum* Fernandes, Delabie & Fernández, 2019: 552, figs. 1A-B, 2A-F (w.) BRAZIL (Rondônia).

Type-material: holotype worker.
Type-locality: Brazil: Rondônia, Floresta Nacional do Jamari (Flona Jamari), 9°09'40''S, 63°01'24''W, Serra da Onça, Novo Mundo, 10.i.2018, soil sample on ground (*D.C. Castro*).
Type-depository: INPA.
Distribution: Brazil.

angulinode. *Proceratium angulinode* De Andrade, in Baroni Urbani & De Andrade, 2003b: 375, fig. 146 (w.) BORNEO (East Malaysia: Sarawak).

Type-material: holotype worker.
Type-locality: Malaysia: Sarawak, 4th Divison, Gn. Mulu Nat. Park, v.-viii.1978, BM 1978-49 (*P.M. Hammond & J. Marshall*).
Type-depository: BMNH.
Status as species: Pfeiffer, *et al*. 2011: 57.
Distribution: Malaysia (Sarawak).

arnoldi. *Proceratium (Sysphincta) arnoldi* Forel, 1913j: 210 (w.) ZIMBABWE.

Type-material: holotype worker.
Type-locality: Zimbabwe ("Rhodesia"): Bulawayo (*G. Arnold*).
Type-depository: MHNG.
[Note: a second specimen from the same series but dated 29.iii.1913 (in BMNH), is excluded as a syntype by Baroni Urbani & De Andrade, 2003b: 297, and by Hita Garcia, Hawkes & Alpert, 2014: 59.]
Combination in *Sysphincta*: Arnold, 1915: 35;
combination in *Proceratium*: Brown, 1958g: 247.
Status as species: Arnold, 1915: 35; Wheeler, W.M. 1922a: 761; Brown, 1958g: 247, 331; Terron, 1981: 102 (in key); Kugler, J. 1988: 256; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 297 (redescription); Hita Garcia, Hawkes & Alpert, 2014: 59 (redescription).
Distribution: South Africa, Zimbabwe.

australe. *Proceratium australe* De Andrade, in Baroni Urbani & De Andrade, 2003b: 345, fig. 137 (w.q.) AUSTRALIA (Queensland, New South Wales).

Type-material: holotype worker, 7 paratype workers, 1 paratype queen.

Type-locality: holotype Australia: Queensland, 17.10S, 145.39E, Boar Pocket, 720 m., 9-12.x.1986, ANIC ANTS VIAL 44.122, rainforest (*R.W. Taylor*); paratypes with same data.

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

Distribution: Australia.

austronesicum. *Proceratium austronesicum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 313, fig. 128 (w.q.) NEW GUINEA (Papua New Guinea), SOLOMON IS (San Cristoval I.).

Type-material: holotype worker.

Type-locality: Papua New Guinea: Morobe, Wau, Mt Kaindi, 1800 m., 25.v.1992 (*G. Cuccodoro*).

Type-depository: BMNH.

Status as species: Sarnat, *et al*. 2013: 74.

Distribution: Papua New Guinea, Solomon Is.

avioide. *Proceratium avioide* De Andrade, in Baroni Urbani & De Andrade, 2003b: 78, figs. 37, 38 (w.q.m.) MAURITIUS.

Type-material: holotype worker, 14 paratype workers, 1 paratype queen, 1 paratype male.

Type-locality: holotype Mauritius: Le Pouce Mt, 700-800 m., 30.iii.1969, ICA-69, native forest (*W.L. Brown*); paratypes with same data.

Type-depositories: MCZC (holotype); MCZC, LACM (paratypes).

Junior synonym of *avium*: Fisher, 2005: 662.

avium. *Proceratium avium* Brown, 1974a: 72, figs. 1, 2 (w.q.m.) MAURITIUS.

Type-material: holotype worker, 38+ paratype workers (total not stated), 1 paratype queen, 1 paratype male.

Type-locality: holotype Mauritius: Le Pouce Mt, 700-800 m., 1.iv.1969, unnumbered colony, native forest (*W.L. Brown*); paratypes: 19+ workers, queen, male with same data, workers with same data but colony no. ICA-69, 30.iii.1969 (*W.L. Brown*), workers with same data but colony no. M-252 (*W.L. Brown*).

Type-depositories: MCZC (holotype); ANIC, BMNH, CUIC, MCZC, NHMB (paratypes).

Status as species: Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 75 (redescription); Fisher, 2005: 661.

Senior synonym of *avioide*: Fisher, 2005: 661.

Distribution: Mauritius.

banjaranense. *Proceratium banjaranense* De Andrade, in Baroni Urbani & De Andrade, 2003b: 382, fig. 148 (w.) BORNEO (East Malaysia: Sabah).

Type-material: holotype worker, 8 paratype workers.

Type-locality: holotype Malaysia: Sabah, 16 mi from Keningau, 1380 m., 14.iii.1983 (*B. Hauser*); paratypes with same data.

Type-depositories: MHNG (holotype); BMNH, MHNG (paratypes).

Status as species: Pfeiffer, *et al*. 2011: 57.

Distribution: Malaysia (Sabah).

bhutanense. *Proceratium bhutanense* De Andrade, in Baroni Urbani & De Andrade, 2003b: 278, figs. 116-117 (w.) BHUTAN, INDIA (West Bengal, Uttar Pradesh, Meghalaya).

Type-material: holotype worker, 2 paratype workers.

Type-locality: holotype Bhutan: Phuntsholing, 2/400 m., 15.4, Nat.-Hist. Museum Basel- Bhutan Expd. 1972 (no collector's name, probably C. Baroni Urbani); paratypes with same data.

Type-depositories: NHMB (holotype); MRSN, NHMB (paratypes).

Junior synonym of *williamsi*: Bharti & Wachkoo, 2014b: 70.

boltoni. *Proceratium boltoni* Leston, 1971: 118, figs. 1, 2 (w.q.) GHANA.

Type-material: holotype worker, 34 paratype workers, 1 paratype queen.

Type-locality: holotype Ghana: Botany Gardens, Legon, Accra Dist., 8.vii.1970 (*D. Leston*); paratypes with same data.

Type-depositories: MCZC (holotype); ANIC, BMNH, LACM, MCZC, MHNG, MRSN, MZSP, UGLG (paratypes).
[Note: Baroni Urbani & De Andrade, 2003b: 59, also record paratypes as present in NHMB, but these are not mentioned by Baroni Urbani, 1973b: 131.]
Status as species: Terron, 1981: 102 (in key); Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 59 (redescription).
Distribution: Ghana.

brasiliense. *Proceratium brasiliense* Borgmeier, 1959a: 309, figs. 1, 2 (w.) BRAZIL (Santa Catarina, São Paulo).
Type-material: 5 syntype workers.
Type-localities: 3 workers Brazil: Santa Catarina, Nova Teutonia, viii.1957, and x.1957 (*F. Plaumann*), 1 worker Brazil: Santa Catarina, Xaxim, xii.1957 (*F. Plaumann*), 1 worker Brazil: São Paulo (Capital), Serra do Cantareira, 1.iii.1959 (*Kempf & Santos*).
Type-depository: MZSP.
Baroni Urbani & De Andrade, 2003b: 143 (q.).
Status as species: Snelling, R.R. 1967: 9 (in key); Kempf, 1972a: 211; Brown, 1980b: 343 (in key); Ward, 1988: 117 (in key); Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 140 (redescription); Feitosa, 2015c: 99; Escárraga, Longino & Sosa-Calvo, 2019: 688; Fernandes, Delabie & Fernández, 2019: 554.
Distribution; Brazil, Colombia.

bruelheidei. *Proceratium bruelheidei* Staab, Xu & Hita Garcia, in Staab, *et al*. 2018: 148, figs. 4B, 6B, 7B, 7D, 8, 9, 24 (w.) CHINA (Jiangxi, Zhejiang).
Type-material: holotype worker, 7 paratype workers.
Type-locality: holotype China: Jiangxi Prov., nr Xingangshan, ca 15 km. SE Wuyuan, 29°7'24''N, 117°54'25''E, 158 m., 26.iv.2015, MN290, BEF-China experiment, Winkler (*M. Noack*); paratypes: 1 worker with same data but MN291, 1 worker with same data but 29°7'24''N, 117°54'31''E, 204 m., 22.iv.2015, MN248, 1 worker with same data but 29°7'33''N, 117°54'41''E, 246 m., 30.iv.2015, MN309, 1 worker with same data but 29°7'33''N, 117°54'40''E, 239 m., 4.v.2015, MN371, 1 worker with same data but 29°7'15''N, 117°54'22''E, 122 m., 12.v.2015, MN479, 1 worker with same data but 29°7'37''N, 117°54'25''E, 219 m., 20.v.2015, MN525, 1 worker China: Zhejiang Prov., Gutianshan National Nature Reserve, ca 35 km. NW Kaihua, 29°16'37''N, 118°5'26''E, 617 m., 11.vii.2002, CSP22 (*A. Schulz*).
Type-depositories: SFCY (holotype); CASC, SFCY, MNHU (paratypes).
Distribution: China.

burundense. *Proceratium burundense* De Andrade, in Baroni Urbani & De Andrade, 2003b: 294, fig. 122 (w.) BURUNDI.
Type-material: holotype worker.
Type-locality: Burundi: Bujumbura, 4.iii.1977 (*A. Dejean*).
Type-depository: BMNH.
Status as species: Hita Garcia, Hawkes & Alpert, 2014: 62 (redescription).
Distribution: Burundi.

caeca. *Ponera caeca* Donisthorpe, 1949b: 491 (w.) NEW GUINEA (Indonesia).
Type-material: holotype worker.
Type-locality: Indonesia: Irian Jaya ("Dutch New Guinea"), Maffin Bay, 20.viii.1944 (*E.S. Ross*).
Type-depository: CASC.
[Unresolved junior primary homonym of *Ponera coeca* Santschi, 1914d: 322 (Bolton, 1995b: 366).]
Status as species: Chapman & Capco, 1951: 68.
Junior synonym of *papuanum*: Brown, 1958g: 248; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 334.

caledonicum. *Proceratium caledonicum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 327, fig. 132 (w.) NEW CALEDONIA.
Type-material: holotype worker.

Type-locality: New Caledonia: Mt Koghis, nr Noumea, 500 m., 26.vii.1978, Berlesate rainforest litter (*S. & J. Peck*).
Type-depository: ANIC.
Status as species: Liu, C., Fischer & Economo, 2015: 39 (in key).
Distribution: New Caledonia.

californicum. *Proceratium californicum* Cook, 1953: 45, fig. (m.) U.S.A. (California).
Type-material: holotype male.
Type-locality: U.S.A: California, Santa Cruz Mts, Glenwood, 27.v.1908.
Type-depository: LACM.
[Note: Snelling, R.R. 1967: 2, stated that the holotype is "the property of the Snow Museum, Oakland, California" (now the Oakland Museum of California); but Ward, 1988: 112, records its presence in LACM.]
Snelling, R.R. 1967: 4 (q.); Ward, 1988: 109 (w.).
Status as species: Brown, 1958g: 247, 332; Smith, M.R. 1958c: 111; Snelling, R.R. 1967: 2 (redescription); Smith, D.R. 1979: 1338; Brown, 1980b: 343 (in key); Ward, 1988: 109; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 243 (redescription); Ward, 2005: 38.
Distribution: U.S.A.

carinifrons. *Proceratium carinifrons* Menozzi, 1939b: 175, fig. 1 (w.q.) INDONESIA (Sumatra).
Type-material: 2 syntype workers, 1 syntype queen.
Type-locality: Indonesia: Sumatra, Fort de Kock (*E. Jacobson*).
Type-depository: IEUB.
Status as species: Brown, 1958g: 247; Bolton, 1995b: 366.
Junior synonym of *papuanum*: Baroni Urbani & De Andrade, 2003b: 334.

carri. *Proceratium carri* Hita Garcia, Hawkes & Alpert, 2014: 65, figs. 3A, 3D, 11A-C, 12A-C, 13, 18 (w.) MOZAMBIQUE.
Type-material: holotype worker.
Type-locality: Mozambique:Sofala, Gorongosa Nat. Park, 4 km. NW Chitengo, 18°57'34.1''S, 34°20'30.7''E, 41 m., 28.iv.2013, WP 113, sandy forest, road #2, dry soil-leaf litter (*G.D. Alpert*).
Type-depository: MCZC.
Distribution: Mozambique.

catio. *Proceratium catio* De Andrade, in Baroni Urbani & De Andrade, 2003b: 135, figs. 62 - 64 (w.) COLOMBIA.
Type-material: holotype worker.
Type-locality: Colombia: Valle, Bosque El Ensueño, K 27 Via mar, 1700m., 5.vi.2000 (*P. Chacón*).
Type-depository: LACM.
Status as species: Sosa-Calvo & Longino, 2008: 231; Escárraga, Longino & Sosa-Calvo, 2019: 688.
Distribution: Colombia.

cavernicola. *Sysphincta cavernicola* Borgmeier, 1937b: 221, figs. 1-4 (q.) PANAMA.
Type-material: holotype queen.
Type-locality: Panama: Chilibrillo Caves, 1931, C-99 (*L.H. Dunn*).
Type-depository: MZSP.
Weber, 1940b: 79 (w.).
Status as species: Weber, 1940b: 79.
Junior synonym of *micrommatum*: Borgmeier, 1957: 118; Brown, 1958g: 248, 333; Kempf, 1972a: 211; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 172.

cavinodus. *Proceratium cavinodus* De Andrade, in Baroni Urbani & De Andrade, 2003b: 63, fig. 33 (w.) AUSTRALIA (Northern Territory).
Type-material: holotype worker.

Type-locality: Australia: Northern Territory, ca 5 km. S Tor Rock, 11.59S, 133.05E, Acc. 73.434, 5.vi.1973, outcrop area (*R.W. Taylor*).
Type-depository: ANIC.
Distribution: Australia.

chickasaw. *Proceratium chickasaw* De Andrade, in Baroni Urbani & De Andrade, 2003b: 235, figs. 98, 99 (w.) U.S.A. (Tennessee, Alabama, Mississippi, Georgia, Florida).
Type-material: holotype worker, 3 paratype workers.
Type-locality: holotype U.S.A.: Tennessee, Polk County, Farmer, 25.v.1951 (*E.O. Wilson*); paratypes with same data.
Type-depositories: MCZC (holotype); LACM, MCZC (paratypes).
Status as species: MacGown & Forster, 2005: 68; Deyrup, 2017: 16.
Distribution: U.S.A.

coecum. *Proceratium coecum* Terron, 1981: 99, fig. 2 (w.) CAMEROON.
Type-material: holotype worker.
Type-locality: Cameroon: Kala, 950 m., ca 18 km. W Yaoundé, 19.x.1972, Berlese no. OL (*G. Terron*).
Type-depository: CIRA.
[**Junior secondary homonym** of *Ponera caeca* Donisthorpe, 1949b: 491.]
Replacement name: *Proceratium terroni* Bolton, 1995b: 367.

colombicum. *Proceratium colombicum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 131, figs. 60, 61 (w.) COLOMBIA.
Type-material: holotype worker.
Type-locality: Colombia: Nariño, Orito, Territorio Kofan, 00°30'N, 77°13'W, 1000 m., 25.ix.1998 (*E.L. Gonzáles*).
Type-depository: IAVH.
Status as species: Sosa-Calvo & Longino, 2008: 231; Escárraga, Longino & Sosa-Calvo, 2019: 688; Fernandes, Delabie & Fernández, 2019: 554.
Distribution: Colombia.

compitale. *Proceratium compitale* Ward, 1988: 113, fig. 6 (w.q.) U.S.A. (Texas), MEXICO (Coahuila).
Type-material: holotype worker, 1 paratype worker, 2 paratype queens.
Type-locality: holotype U.S.A.: Texas, Val Verde County, Emerald Sink, 30.xi.1984 (*J. Reddell & M. Reyes*); paratypes: 1 worker with same data, 1 queen U.S.A.: Texas, Terrell County, Blackstone Cave, 5.ii.1967 (*D. McKenzie & D. Erikson*), 1 queen Mexico: Coahuila, 15 mi. NW Cd Acuña, Cueva de los Lagos, 27.i.1966 (*J.H. Reddell*).
Type-depositories: LACM (holotype); LACM, MCZC (paratypes).
Status as species: Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 203 (redescription).
Distribution: Mexico, U.S.A.

confinium. *Proceratium confinium* De Andrade, in Baroni Urbani & De Andrade, 2003b: 248, fig. 103 (w.) PAKISTAN.
Type-material: holotype worker.
Type-locality: Pakistan: Swat, Malkandi 36, 1500 m., 2.vi.1983 (*Löbl & Besuchet*).
Type-depository: MHNG.
Status as species: Rasheed, *et al*. 2019: 435.
Distribution**:** Pakistan.

convexiceps. *Proceratium convexiceps* Borgmeier, 1957: 120, figs. 34, 35 (w.) COSTA RICA.
Type-material: holotype worker.
Type-locality: Costa Rica: San José (*H. Schmidt*).
Type-depository: MCZC.
Baroni Urbani & De Andrade, 2003b: 149 (q. putative m.).
Junior synonym of *micrommatum*: Brown, 1980b: 342; Brandão, 1991: 373; Bolton, 1995b: 366.

Status as species: Brown, 1958g: 247; Snelling, R.R. 1967: 9 (in key); Kempf, 1972a: 211; Baroni Urbani & De Andrade, 2003b: 145 (redescription); Fernandes, Delabie & Fernández, 2019: 554.
Distribution: Costa Rica, Mexico, Panama.

crassicorne. *Proceratium crassicorne* Emery, 1895c: 265, pl. 8, fig. 9 (w.) U.S.A. (District of Columbia).
Type-material: 9 syntype workers.
[Note: according to Baroni Urbani & De Andrade, 2003b: 422, 10 more workers in MSNG, and 2 in MCZC are probably from the type-series, but are not labelled as syntypes ("cotypes").]
Type-locality: U.S.A: District of Columbia, Corcoran Hill, vi.26-9, no. 175 (*T. Pergande*).
Type-depositories: MSNG, USNM.
Smith, M.R. 1928b: 244 (q.); Wheeler, G.C. & Wheeler, J. 1952a: 137 (l.); Baroni Urbani & De Andrade, 2003b: 426 (m.).
Junior synonym of *silaceum*: Creighton, 1950a: 40; Brown, 1958g: 248; Smith, M.R. 1958c: 111; Bolton, 1995b: 366; Smith, D.R. 1979: 1339; Coovert, 2005: 26 (error).
Status as species: Wheeler, W.M. 1905f: 375; Wheeler, W.M. 1910g: 561; Emery, 1911d: 50; Smith, M.R. 1928b: 244; Wesson, L.G. & Wesson, R.G. 1940: 91; Smith, M.R. 1951a: 784; Deyrup, 2003: 46; Baroni Urbani & De Andrade, 2003b: 422 (redescription); Ellison, *et al*. 2012: 93; Deyrup, 2017: 17.
Distribution: U.S.A.

creek. *Proceratium creek* De Andrade, in Baroni Urbani & De Andrade, 2003b: 207, figs. 86-89 (w.q.m.) U.S.A. (Georgia, Arkansas, Florida).
Type-material: holotype worker, 3 paratype workers.
Type-locality: holotype U.S.A.: Georgia, Thomas County, 1.8 mi. S jct. Metcalf Road, 10-17.xii.1996, *Geomys* burrow pitfall (*P. Skelley & P. Kovarik*); paratypes with same data.
Type-depositories: MCZC (holotype); ABSV, LACM, MCZC (paratypes).
Baroni Urbani & De Andrade, 2003b: 211 (putative m.).
Status as species: Deyrup, 2017: 17.
Distribution: U.S.A.

croceum. *Ponera crocea* Roger, 1860: 288 (q.) U.S.A. (Carolina).
Type-material: holotype queen.
Type-locality: U.S.A.: Carolina (no collector's name).
Type-depository: MNHU.
Emery, 1895c: 265 (w.); Smith, M.R. 1930b: 390 (m.); Wheeler, G.C. & Wheeler, J. 1952a: 135 (l.).
Combination in *Sysphingta*: Mayr, 1866a: 501;
combination in *Proceratium*: Mayr, 1886d: 437.
Status as species: Mayr, 1863: 448; Mayr, 1866a: 501; Mayr, 1886d: 437; Cresson, 1887: 258; Dalla Torre, 1893: 18; Emery, 1895c: 264, Wheeler, W.M. 1908e: 401; Wheeler, W.M. 1910g: 561; Emery, 1911d: 50; Smith, M.R. 1928b: 244; Smith, M.R. 1930b: 390; Smith, M.R. 1944d: 14; Creighton, 1950a: 39; Smith, M.R. 1951a: 784; Brown, 1958g: 247; Smith, M.R. 1958c: 111; Carter, 1962a: 6 (in list); Smith, M.R. 1967: 347; Snelling, R.R. 1967: 9 (in key); Smith, D.R. 1979: 1338; Brown, 1980b: 343 (in key); Ward, 1988: 116 (in key); Deyrup, *et al*. 1989: 93; Bolton, 1995b: 366; Deyrup, 2003: 46; Baroni Urbani & De Andrade, 2003b: 397 (redescription); Coovert, 2005: 25; MacGown & Forster, 2005: 68; Deyrup, 2017: 18.
Distribution: U.S.A.

cubanum. *Proceratium cubanum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 194, fig. 83 (w.) CUBA.

Type-material: holotype worker.
Type-locality: Cuba: Holguín, Ote, ii.1976, under stone (*L. Armas*).
Type-depository: LACM.
Distribution: Cuba.

dayak. *Proceratium dayak* De Andrade, in Baroni Urbani & De Andrade, 2003b: 317, fig. 129 (w.) BORNEO (East Malaysia: Sarawak).
Type-material: holotype worker.
Type-locality: Malaysia: Sarawak, 4th Division, G. Mulu Expd., Camp 5, x.1977, soil core (*H. Vallack*).
Type-depository: BMNH.
Status as species: Pfeiffer, *et al*. 2011: 58.
Distribution: Malaysia (Sarawak).

deelemani. *Proceratium deelemani* Perrault, 1981: 189, figs. 1-6 (w.) BORNEO (Indonesia: Kalimantan).
Type-material: holotype worker.
Type-locality: Indonesia: Kalimantan ("Borneo"), Sépaku, 40 km. NNW Balikpapan, 16.vii.1979, leaf litter, primary forest (*C. & R. Deeleman*).
Type-depository: MNHN.
Baroni Urbani & De Andrade, 2003b: 97 (q. putative m.).
Status as species: Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 91 (redescription); Jaitrong & Nabhitabhata, 2005: 41; Pfeiffer, *et al*. 2011: 58; Liu, C., Guénard, *et al*. 2015: 56.
Distribution: Brunei, China, Indonesia (Kalimantan), Malaysia (Peninsula, Sabah, Sarawak), Singapore, Thailand.

****denticulatum***. **Proceratium denticulatum* Lattke, 1991b: 101, figs. 1, 2 (q.) DOMINICAN AMBER (Dominican Republic, Miocene).
Status as species: Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 66 (redescription).

diplopyx. *Proceratium diplopyx* Brown, 1980b: 337, figs. 1, 2 (w.) MADAGASCAR.
Type-material: holotype worker, 1 paratype worker.
Type-locality: holotype Madagascar: Prov. Tamatave, Baie d'Antongil, Iaraka, 1000 m., 26.xi.1969 (*J.-M. Betsch*); paratype with same data.
Type-depositories: MNHN (holotype); MCZC (paratype).
Status as species: Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 71 (redescription).
Distribution: Madagascar.

****dominicanum***. **Proceratium dominicanum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 182, figs. 4-6, 11-13 (q.m.) DOMINICAN AMBER (Dominican Republic, Miocene).

dusun. *Proceratium dusun* De Andrade, in Baroni Urbani & De Andrade, 2003b: 385, fig. 149 (w.) BORNEO (East Malaysia: Sabah).
Type-material: holotype worker.
Type-locality: Malaysia: Sabah, Poring Hot Springs, Langanan River, 850 m., 14.v.1987 (*Löbl & Burckhardt*).
Type-depository: BMNH.
Status as species: Pfeiffer, *et al*. 2011: 58.
Distribution: Malaysia (Sabah.)

ecuadoriense. *Proceratium ecuadoriense* De Andrade, in Baroni Urbani & De Andrade, 2003b: 127, fig. 59 (w.) ECUADOR.
Type-material: holotype worker, 1 paratype worker.
Type-locality: holotype Ecuador: Prov. Pichincha, Tinalandia, 16 km. SE Santo Domingo de los Colorados, 680 m., vi.1975 (*S. & J. Peck*); paratype with same data.

Type-depository: MCZC.

Status as species: Fernandes, Delabie & Fernández, 2019: 554.

Distribution: Ecuador.

****eocenicum***. **Proceratium eocenicum* Dlussky, 2009: 1069, fig. 10 (m.) BALTIC AMBER (Eocene).

Status as species: Dlussky & Rasnitsyn, 2009: 1031; Perkovsky, 2016: 115.

europaea. *Sysphingta europaea* Forel, 1886e: clxiii, fig. 2 (w.) GREECE.

Type-material: holotype worker.

Type-locality: Greece: Elide, Morée occidentale (*von Oertzen*).

[Note: Baroni Urbani & De Andrade, 2003b: 251, state that data label on the holotype has Albanien, Avlona, 88 (*von Oertzen*).]

Type-depository: MHNG.

Forel, 1889: 259 (q.); Forel, 1905b: 177 (m.).

Combination in *Proceratium*: Forel, 1889: 258;

combination in *Sysphincta*: Emery, 1909c: 359.

Status as species: Forel, 1889: 258 (redescription); Forel, 1890a: lxviii; Emery, 1891b: 2; Dalla Torre, 1893: 18; Forel, 1905b: 177; Emery, 1909c: 358; Santschi, 1910e: 649; Emery, 1911d: 51; Emery, 1914d: 156; Emery, 1916b: 103; Bondroit, 1918: 80; Lomnicki, 1922: 4; Müller, 1923b: 29; Finzi, 1923: 2; Menozzi, 1925d: 24; Finzi, 1927a: 7; Arnol'di, 1930b: 144; Finzi, 1930d: 311; Karavaiev, 1934: 52; Grandi, 1935: 98; Zimmermann, 1935: 8; Finzi, 1939b: 86; Novák & Sadil, 1941: 70 (in key); Kratochvíl, in Kratochvíl, *et al*. 1944: 58 (in key); Donisthorpe, 1950d: 638; Donisthorpe, 1950e: 1058; Consani & Zangheri, 1952: 39; Ceballos, 1956: 296; Bernard, 1967: 82 (redescription); Collingwood & Yarrow, 1969: 55 (error).

Junior synonym of *melinum*: Brown, 1958g: 248, 334; Baroni Urbani, 1977d: 91; Smith, D.R. 1979: 1338; Bolton, 1995b: 366; Gallé, *et al*. 1998: 214; Baroni Urbani & De Andrade, 2003b: 251; Csösz, 2003: 152; Werner & Wiezik, 2007: 139; Karaman, M.G. 2011b: 15; Legakis, 2011: 4; Radchenko, 2016: 75; Salata & Borowiec, 2018c: 22.

fialai. *Sysphincta fialai* Kratochvíl, in Kratochvíl, *et al*. 1944: 54, figs. 1-4 (w.q.m.) CZECH REPUBLIC.

Type-material: syntype workers, syntype queens (numbers not stated), 1 syntype male.

Type-locality: Czech Republic: Moravia, Kroměříž, 1933 (*O. Fiala*).

Type-depository: NHMP.

Junior synonym of *melinum*: Brown, 1958g: 248, 334; Smith, D.R. 1979: 1338; Bolton, 1995b: 366; Gallé, *et al*. 1998: 214; Baroni Urbani & De Andrade, 2003b: 251; Csösz, 2003: 152; Werner & Wiezik, 2007: 139; Csösz, *et al*. 2011: 56; Radchenko, 2016: 75.

formosicola. *Proceratium formosicola* Terayama, 1985c: 406, figs. 1-4 (w.q.) TAIWAN.

Type-material: holotype worker, 3 paratype workers, 1 paratype queen.

Type-locality: holotype Taiwan: Nantou Hsien, Lushan (ca 1000 m.), 15.viii.1980 (*M. Terayama*); paratypes: 2 workers, 1 queen with same data, 1 worker Taiwan: Nantou Hsien, Puli (ca 600 m.), 4.viii.1981 (*M. Terayama*).

Type-depositories: NIAS (holotype); MTPC, TARI (paratypes).

Junior synonym of *japonicum*: Onoyama, 1991: 695; Bolton, 1995b: 366; Onoyama & Yoshimura, 2002: 38; Baroni Urbani & De Andrade, 2003b: 368; Imai, *et al*. 2003: 218; Terayama, 2009: 97; Zhou & Ran, 2010: 111 (footnote); Staab, *et al*. 2018: 169.

foveolatum. *Proceratium foveolatum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 102, figs. 48-50 (w.m.) BORNEO (East Malaysia: Sarawak).

Type-material: holotype worker.

Type-locality: Malaysia: Sarawak, 4th Div., G. Mulu Nat. Park, RGS Expd., Long Pala, 1.x.1977, lowland rainforest, leaf litter on log (*B. Bolton*).

Type-depository: BMNH.
De Andrade, in Baroni Urbani & De Andrade, 2003b: 104 (m.).
Status as species: Pfeiffer, *et al*. 2011: 58.
Distribution: Brunei, Malaysia (Sarawak).

galilaeum. *Proceratium galilaeum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 301, figs. 124, 125 (w.) ISRAEL.
Type-material: holotype worker, 1 paratype worker.
Type-locality: Israel: Galilee, Eilon, N Betzet, 20.iv.1982 (*C. Besuchet & I. Löbl*); paratype with same data.
Type-depository: MHNG.
Status as species: Vonshak, *et al*. 2009: 46; Borowiec, L. 2014: 149.
Distribution: Israel.

****gibberum***. **Proceratium gibberum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 68, fig. 14 (q.) DOMINICAN AMBER (Dominican Republic, Miocene).

gigas. *Proceratium gigas* De Andrade, in Baroni Urbani & De Andrade, 2003b: 360, fig. 141 (w.) AUSTRALIA (New South Wales).
Type-material: holotype worker.
Type-locality: Australia: New South Wales, Dorrigo NP, E end Blackbutt Track, 710 m., 28.ii.-5.iii.1980, subtropical rainforest (*A. Newton & M. Thayer*).
Type-depository: MCZC.
Distribution: Australia.

goliath. *Proceratium goliath* Kempf & Brown, 1968: 94, figs. 1, 2 (w.) COSTA RICA.
Type-material: holotype worker, 5 paratype workers.
Type-locality: holotype Costa Rica: Limon Prov., 2 km. NW steel bridge over Rio Toro Amarillo, nr Gualipes, 3 and 4.iii.1966, rotten log (*W.L. Brown*); paratypes with same data.
[Note: collection data as published, but Baroni Urbani & De Andrade, 2003b: 111, record that dates on specimens are 25.ii.-9.iii.1966.]
Type-depositories: MCZC (holotype); CUIC, DZSP, MCZC, MZSP (paratypes).
Baroni Urbani & De Andrade, 2003b: 115 (putative m.).
Status as species: Kempf, 1972a: 211; Brown, 1980b: 343 (in key); Ward, 1988: 116 (in key); Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 111 (redescription); Escárraga, Longino & Sosa-Calvo, 2019: 688.
Distribution: Colombia, Costa Rica.

google. *Proceratium google* Fisher, 2005: 663, figs. 14-17 (w.) MADAGASCAR.
Type-material: holotype worker, 4 paratype workers.
Type-locality: holotype Madagascar: Prov. Antsiranana, 11.0 km. WSW Befingotra, Rés. Spéciale Anjanaharibé-Sud, 14°45'S, 49°27'E, 1565 m., 16.xi.1994, BLF1232(6), CASENT0100367, sifted litter, montane rainforest (*B.L. Fisher*); paratypes: 2 workers with same data but CASENT0100368, CASENT0100369, 1 worker 4.2 km. WSW Befingotra, Rés. Spéciale Anjanaharibé-Sud, 14°45'S, 49°28'E, 1280 m., 5.xi.1994, CASENT0100370, 1 worker as last but 1200 m., 9.xi.1994, CASENT0100371.
Type-depositories: CASC (holotype); BMNH, CASC, MCZC (paratypes).
Distribution: Madagascar.

gracile. *Proceratium gracile* De Andrade, in Baroni Urbani & De Andrade, 2003b: 353, fig. 139 (w.) AUSTRALIA (Queensland).
Type-material: holotype worker, 5 paratype workers.
Type-locality: holotype Australia: Queensland, Mt Cordeaux, Cunningham's Gap, 3000 ft, 1.v.1962, Accession 722, ANIC ants vial 35-131, rotten wood, forest floor, rainforest (*R.W. Taylor*); paratypes with same data.
Type-depository: ANIC.
Distribution: Australia.

hirsutum. *Proceratium hirsutum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 338, fig. 135 (w.) AUSTRALIA (Queensland).
Type-material: holotype worker, 2 paratype workers.

Type-locality: holotype Australia: Queensland, ca 5 km. SE Paluma Dam, 6.vi.1971, rainforest (*R.W. Taylor & J. Feehan*); paratypes with same data.
Type-depository: ANIC.
Distribution: Australia.

itoi. *Sysphincta itoi* Forel, 1918a: 717 (w.) JAPAN.

Type-material: syntype workers (number not stated).
Type-locality: Japan: Tokyo, Koishikawa (*Ito*).
Type-depository: MHNG.

Ogata, 1987: 107 (m.); Onoyama & Yoshimura, 2002: 35 (q.).

Combination in *Proceratium*: Brown, 1958g: 247.

Status as species: Brown, 1958g: 247; Onoyama, 1980: 196; Ogata, 1987: 106; Morisita, *et al*. 1989: 15; Bolton, 1995b: 366; Wu, J. & Wang, 1995: 36; Tang, J., Li, *et al*. 1995: 29; Kim, Kim & Kim, 1998: 151; Xu, 2000c: 434 (in key); Onoyama & Yoshimura, 2002: 32 (redescription); Baroni Urbani & De Andrade, 2003b: 267 (redescription); Imai, *et al*. 2003: 218; Lin & Wu, 2003: 67; Xu, 2006: 153 (in key); Terayama, 2009: 97; Zhou & Ran, 2010: 110; Guénard & Dunn, 2012: 62; Staab, *et al*. 2018: 153 (redescription).

Distribution: China, Japan, South Korea, Taiwan, Vietnam.

ivimka. *Proceratium ivimka* De Andrade, in Baroni Urbani & De Andrade, 2003b: 320, fig. 130 (w.) NEW GUINEA (Papua New Guinea).

Type-material: holotype worker, 1 paratype worker.
Type-locality: holotype Papua New Guinea: Gulf Prov., Ivimka camp, Lakekamu Basin, 7.7°S, 146.8°E, 400 m., 20.xi.1996, #96-350, lowland wet forest, sifted leaf litter & debris from rotten log (*R.R. Snelling*); paratype with same data but 7.73°S, 146.76°E, 110 m., 14.xi.1996, #96-325.
Type-depository: LACM.
Distribution: Papua New Guinea.

japonicum. *Proceratium japonicum* Santschi, 1937h: 362, fig. 1 (w.) JAPAN.

Type-material: 4 syntype workers.
Type-locality: Japan: Oshima, Iya, Hunshiu (= Honshu), 10.vii.1928, (692) (*Kisato (= K. Sato?)*).
Type-depositories: MHNG, NHMB.

Onoyama & Yoshimura, 2002: 38 (q.m.).

Status as species: Chapman & Capco, 1951: 77; Brown, 1958g: 247; Onoyama, 1980: 196; Morisita, *et al*. 1989: 15; Onoyama, 1991: 695; Bolton, 1995b: 366; Xu, 2000c: 435 (in key); Onoyama & Yoshimura, 2002: 38 (redescription); Imai, *et al*. 2003: 218; Baroni Urbani & De Andrade, 2003b: 368 (redescription); Lin & Wu, 2003: 67; Xu, 2006: 153 (in key); Terayama, 2009: 97; Zhou & Ran, 2010: 111; Staab, *et al*. 2018: 169 (redescription).

Senior synonym of *formosicola*: Onoyama, 1991: 695; Bolton, 1995b: 366; Onoyama & Yoshimura, 2002: 38; Baroni Urbani & De Andrade, 2003b: 368; Imai, *et al*. 2003: 218; Terayama, 2009: 97; Zhou & Ran, 2010: 111 (footnote); Guénard & Dunn, 2012: 62; Staab, *et al*. 2018: 169.

Distribution: China, Japan, Taiwan.

kepingmai. *Proceratium kepingmai* Staab, Xu & Hita Garcia, in Staab, *et al*. 2018: 157, figs. 5B, 7A, 7C, 12, 13, 24 (w.) CHINA (Jiangxi, Zhejiang).

Type-material: holotype worker, 1 paratype worker.
Type-locality: holotype China: Jiangxi Prov., nr Xingangshan, ca 15 km. SE Wuyuan, 29°7’28’’N, 117°54’40’’E, 270 m., 26.iii.2015, MS1836, Winkler (*M. Staab*); paratype China: Zhejiang Prov., Gutianshan National Nature Reserve, ca 30 km. NW Kaihua, 29°14’50’’N, 118°8’10’’E, 665 m., 27.iv.2015, MS1859, Winkler (*M. Noack*).
Type-depositories: SFCY (holotype); CASC, SFCY, MNHU (paratypes).
Distribution: China.

lattkei. *Proceratium lattkei* De Andrade, in Baroni Urbani & De Andrade, 2003b: 124, fig. 58 (w.) VENEZUELA.

Type-material: holotype worker.
Type-locality: Venezuela: Sucre, Cerro Humo via Las Melenas, 950 m., 9.7 km. NW Irapa, 10°41'N, 62°37'W, 12.v.1993 (*J. Lattke*).
Type-depository: MIZA.
Distribution: Venezuela.

lombokense. *Proceratium lombokense* Emery, 1897c: 593 (footnote) (q.) INDONESIA (Lombok I.).

Type-material: holotype queen.
Type-locality: Indonesia: Lombok, Sapit, 2000', iv.1896 (*H. Fruhstorfer*).
Type-depository: MSNG.

Status as species: Emery, 1911d: 50; Chapman & Capco, 1951: 77; Brown, 1958g: 248; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 435 (redescription).

Distribution: Indonesia (Lombok).

longigaster. *Proceratium longigaster* Karavaiev, 1935a: 59, fig. 2 (w.) VIETNAM.

Type-material: holotype worker.
Type-locality: Vietnam ("Central Annam"): Bana, 1400 m., nr Tourane, 30.ix.1931, Nr 5663 (*K. Davydov*).
Type-depository: SIZK.

Status as species: Chapman & Capco, 1951: 77; Brown, 1958g: 248; Bolton, 1995b: 366; Xu, 2000c: 436 (redescription); Baroni Urbani & De Andrade, 2003b: 438; Xu, 2006: 153 (in key); Zhou & Ran, 2010: 111; Guénard & Dunn, 2012: 62; Staab, *et al*. 2018: 172 (redescription).

Distribution: China, Vietnam.

longiscapus. *Proceratium longiscapus* De Andrade, in Baroni Urbani & De Andrade, 2003b: 190, figs. 81, 82 (q.) DOMINICAN REPUBLIC.

Type-material: holotype queen.
Type-locality: Dominican Republic: Bonao, 29.viii.1997, blacklight trap (*C. O'Brien & R. Baronowski*).
Type-depository: MCZC.

Status as species: Lubertazzi, 2019: 161.

Distribution: Dominican Republic.

longmenense. *Proceratium longmenense* Xu, 2006: 154, figs. 14 – 16 (w.) CHINA (Yunnan).

Type-material: holotype worker.
Type-locality: China: Yunnan, Kunming City, Xishan Mountain Forest Park, Longmen, 2050 m., 5.v.2001, No. A00514, subtropical evergreen broadleaf forest (*Z. Xu*).
Type-depository: SFCY.

Status as species: Zhou & Ran, 2010: 111; Guénard & Dunn, 2012: 62; Staab, *et al*. 2018: 162 (redescription).

Distribution: China.

lunatum. *Proceratium lunatum* Terron, 1981: 96, fig. 1 (w.) CAMEROON.

Type-material: holotype worker, 4 paratype workers.
Type-locality: holotype Cameroon: Arboretum de Mbalmayo (51 km. S Yaoundé), 17.iii.1968, no. 1759 (*G. Terron*); paratypes: 2 workers with same data, 1 worker Bikok, nr Yaoundé, 19.iii.1974, Berlese no. UO (*G. Terron*), 1 worker Kala, nr Yaoundé, 900 m., 16.v.1974, Berlese no. VE (*G. Terron*).
Type-depositories: CIRA (holotype); BMNH, MHNG, MNHN (paratypes).

Status as species: Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 290 (redescription); Hita Garcia, Hawkes & Alpert, 2014: 69 (redescription).

Distribution: Cameroon, Gabon, Uganda.

malesianum. *Proceratium malesianum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 275, fig. 115 (w.) WEST MALAYSIA.

Type-material: holotype worker.
Type-locality: Malaysia: W Malaysia, Pahang, Ringlet, 1250 m., 26.iii.1993, ravine #20 (*Löbl & Calame*).

Type-depository: MHNG.
Distribution: Malaysia (Peninsula).

mancum. *Proceratium mancum* Mann, 1922: 6 (w.q.) HONDURAS.

Type-material: 2 syntype workers.
[Note: Mann originally described the types as 1 syntype worker and 1 syntype queen. Baroni Urbani & De Andrade, 2003b: 430, record that both specimens are in fact workers.]
Type-locality: Honduras: Cecilia, ii.-iii.1920 (*W.M. Mann*).
Type-depository: USNM.

Junior synonym of *silaceum*: Brown, 1974a: 82; Brandão, 1991: 373; Bolton, 1995b: 366.

Status as species: Brown, 1958g: 248; Snelling, R.R. 1967: 9 (in key); Kempf, 1972a: 211; Baroni Urbani & De Andrade, 2003b: 430 (redescription); Sosa-Calvo & Longino, 2008: 231; Branstetter & Sáenz, 2012: 263; Escárraga, Longino & Sosa-Calvo, 2019: 688.

Distribution: Belize, Colombia, Costa Rica, Guatemala, Honduras, Mexico.

mayri. *Proceratium (Sysphincta) mayri* Forel, 1899b: 306 (w.) GREECE (Corfu).

Type-material: 3 syntype workers.
Type-locality: Greece: Corfu (*J. Sahlberg*).
Type-depositories: MHNG, MSNG.
[Note: this taxon was first recorded by Forel, 1889: 259, as the major worker caste ("soldier") of *P. europaeum* (Forel) (misidentification). Baroni Urbani & De Andrade, 2003b: 219, confirmed the identity of the type-material.]

Emery, 1909c: 361 (q.).

Combination in *Sysphincta*: Emery, 1909c: 361;
combination in *Proceratium*: Brown, 1958g: 248.

Status as species: Emery, 1909c: 361; Emery, 1911d: 51; Forel, 1913d: 427; Emery, 1916b: 102; Menozzi, 1921: 25; Müller, 1923b: 30; Kutter, 1927: 98; Finzi, 1930d: 311; Zimmermann, 1935: 8; Kratochvíl, in Kratochvíl, *et al*. 1944: 58 (in key); Brown, 1958g: 248; Baroni Urbani, 1964b: 26; Bernard, 1967: 82; Baroni Urbani, 1971c: 11.

Junior synonym of *algiricum*: Baroni Urbani, 1977d: 92; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 219; Legakis, 2011: 4; Salata & Borowiec, 2018c: 22.

melinum. *Ponera melina* Roger, 1860: 291 (w.q.m.) U.S.A. (Carolina).

Type-material: syntype worker, syntype queen, syntype male (perhaps only one of each).
[Note: Baroni Urbani & De Andrade, 2003b: 251, found only 1 worker and 1 queen in MNHU; the male appears to be lost.]
Type-locality: U.S.A.: Carolina (error).
[Note: Brown, 1958g: 334, regarded this taxon as very dubiously present in U.S.A. Baroni Urbani, 1977d: 9, indicated that the type-locality should be Europe, adding that Carolina was certainly a labelling error.]
Type-depository: MNHU.

Combination in *Proceratium*: Mayr, 1886d: 438;
combination in *Sysphincta*: Emery, 1895c: 263;
combination in *Proceratium*: Brown, 1958g: 248.

Status as species: Mayr, 1863: 449; Mayr, 1886d: 438; Cresson, 1887: 258; Dalla Torre, 1893: 18; Emery, 1895c: 263, Wheeler, W.M. 1904e: 300; Wheeler, W.M. 1905f: 375; Wheeler, W.M. 1910g: 561; Creighton, 1950a: 42; Smith, M.R. 1951a: 784; Brown, 1958g: 248, 333; Smith, M.R. 1967: 347; Baroni Urbani, 1971c: 12; Baroni Urbani, 1977d: 91; Arnol'di & Dlussky, 1978: 524 (in key); Collingwood, 1978: 74 (in key); Smith, D.R. 1979: 1338; Schembri & Collingwood, 1981: 419; Agosti & Collingwood, 1987a: 53; Agosti & Collingwood, 1987b: 264 (in key); Kugler, J. 1988: 256; Atanassov & Dlussky, 1992: 64; Bolton, 1995b: 366; Poldi, *et al*. 1995: 2; Schembri &

Collingwood, 1995: 156; Gallé, *et al*. 1998: 214; Baroni Urbani & De Andrade, 2003b: 251 (redescription); Csösz, 2003: 151; Bračko, 2006: 134; Markó, Sipos, *et al*. 2006: 69; Petrov, 2006: 83 (in key); Bračko, 2007: 17; Werner & Wiezik, 2007: 139; Casevitz-Weulersse & Galkowski, 2009: 498; Vonshak, *et al*. 2009: 46; Lapeva-Gjonova, *et al*. 2010: 6; Csösz, *et al*. 2011: 56; Karaman, M.G. 2011b: 15; Legakis, 2011: 4; Borowiec, L. & Salata, 2012: 531; Kiran & Karaman, 2012: 29; Borowiec, L. 2014: 149; Bračko, *et al*. 2014: 13; Lebas, *et al*. 2016: 408; Radchenko, 2016: 75; Steiner, *et al*. 2017: 16; Salata & Borowiec, 2018c: 22; Seifert, 2018: 151.

Senior synonym of *europaea*: Brown, 1958g: 248, 334; Baroni Urbani, 1977d: 91; Smith, D.R. 1979: 1338; Bolton, 1995b: 366; Gallé, *et al*. 1998: 214; Baroni Urbani & De Andrade, 2003b: 251; Csösz, 2003: 152; Werner & Wiezik, 2007: 139; Karaman, M.G. 2011b: 15; Legakis, 2011: 4; Radchenko, 2016: 75; Salata & Borowiec, 2018c: 22.

Senior synonym of *fialai*: Brown, 1958g: 248, 334; Smith, D.R. 1979: 1338; Bolton, 1995b: 366; Gallé, *et al*. 1998: 214; Baroni Urbani & De Andrade, 2003b: 251; Csösz, 2003: 152; Werner & Wiezik, 2007: 139; Csösz, *et al*. 2011: 56; Radchenko, 2016: 75.

Senior synonym of *rossica*: Brown, 1958g: 248, 334; Arnol'di & Dlussky, 1978: 524 (in key) ; Smith, D.R. 1979: 1338; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 251; Radchenko, 2016: 75.

Distribution: Albania, Austria, Bulgaria, Croatia, Czech Republic, France (+ Corsica), Greece, Hungary, Israel, Italy, Macedonia, Malta, Montenegro, Romania, Russia, Slovakia, Slovenia, Spain, Turkey, Ukraine.

melitense. *Proceratium melitanse* De Andrade, in Baroni Urbani & De Andrade, 2003b: 239, fig. 100 (w.) MALTA.

Type-material: holotype worker, 2 paratype workers.

Type-locality: holotype Malta: Buskett, 11.i.1996, in soil, *Quercus ilex* soil (*D. Mifsud*); paratypes Malta: Il Ballut (limits of Wardija), San Pawl il-Bahar, 1.iv.2002, sifting leaf litter under *Quercus ilex* (*D. Mifsud*).

Type-depositories: MMCR (holotype); DMCM (paratypes).

Status as species: Borowiec, L. 2014: 149; Lebas, *et al*. 2016: 408.

Distribution: Italy (Sicily), Malta.

mexicanum. *Proceratium mexicanum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 155, figs. 71-73 (w.q.m.) MEXICO (Tamaulipas, Nuevo Leon, Veracruz, Oaxaca, Tabasco, Chiapas).

Type-material: holotype worker, 4 paratype workers.

Type-locality: holotype Mexico: Tamaulipas, Antiguo Morelos, 9.vii.1969, Ber. 167, palm-thorn forest litter (*S. & J. Peck*); paratypes with same data.

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

Status as species: Branstetter & Sáenz, 2012: 263.

Distribution: Guatemala, Mexico.

micrommatum. *Sysphingta micrommata* Roger, 1863a: 176 (w.) SOUTH AMERICA.

Type-material: holotype worker.

Type-locality: South America (no further data).

Type-depository: MNHU.

Combination in *Proceratium*: Emery, in Dalla Torre, 1893: 18; Forel, 1895b: 111.

Status as species: Roger, 1863b: 21; Mayr, 1863: 455; Dalla Torre, 1893: 18; Forel, 1895b: 111; Emery, 1911d: 51; Borgmeier, 1957: 118 (redescription); Brown, 1958g: 248, 333; Snelling, R.R. 1967: 9 (in key); Kempf, 1972a: 211; Brown, 1980b: 342; Ward, 1988: 117 (in key); Brandão, 1991: 373; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 172 (redescription); Sosa-Calvo & Longino, 2008: 232; Branstetter & Sáenz, 2012: 263; Escárraga, Longino & Sosa-Calvo, 2019: 688; Fernandes, Delabie & Fernández, 2019: 554.

Senior synonym of *cavernicola*: Borgmeier, 1957: 118; Brown, 1958g: 248, 333; Kempf, 1972a: 211; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 172.
Distribution: Colombia, Costa Rica, Guatemala, Honduras, Panama, Peru, Venezuela.

microsculptum. *Proceratium microsculptum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 199, fig. 84 (w.q.) BORNEO (East Malaysia: Sabah).
Type-material: holotype worker, 2 paratype workers, 1 paratype queen.
Type-locality: holotype Malaysia: Sabah, Gn. Silam, 810 m., 1983 (*R. Leakey*); paratypes with same data.
Type-depository: BMNH.
Status as species: Pfeiffer, *et al*. 2011: 58.
Distribution: Malaysia (Sabah).

morisitai. *Proceratium morisitai* Onoyama & Yoshimura, 2002: 40, figs. 1, 3, 13-15, 25-27, 39-42, 51, 52, 56, 61-63, 73-76 (w.q.m.) JAPAN.
Type-material: holotype worker, 40 paratype workers, 15 paratype queens, 4 paratype males.
Type-locality: holotype Japan: Kyoto Pref., Kamigamo-nakayama-cho, Kita-ku, 100 m., 10.x.1991 (*A. Taki*); paratypes with same data.
Type-depositories: OMNH (holotype); BMNH, LACM, MHNG, MRSN, NHMB, OMNH, OUOJ (paratypes).
Status as species: Imai, *et al*. 2003: 217; Baroni Urbani & De Andrade, 2003b: 260 (redescription).
Distribution: Japan.

nilo. *Proceratium nilo* Hita Garcia, Hawkes & Alpert, 2014: 73, figs. 4A, 15A-C, 18 (w.) TANZANIA.
Type-material: holotype worker.
Type-locality: Tanzania: Tanga, Korogwe, Nilo Forest Reserve, 4.91456S, 38.67712E, 1006 m., 1-4.ix.2005, CEPF-TZ-4.1, primary forest (*P. Hawkes, J. Makwati & R. Mtana*).
Type-depository: SAMC.
Distribution: Tanzania.

normandi. *Proceratium normandi* Santschi, 1929e: 138 (w.q.) ALGERIA.
Type-material: 6 syntype workers, 1 syntype queen.
Type-locality: Algeria (not Tunisia): La Caille (= El Kala) (*Normand*).
Type-depository: NHMB.
Status as species: Brown, 1958g: 248, 334.
Junior synonym of *numidicum*: Brown, 1974a: 82; Baroni Urbani, 1977d: 93; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 363.

nujiangense. *Proceratium nujiangense* Xu, 2006: 153, figs. 8-13 (w.q.) CHINA (Yunnan).
Type-material: holotype worker, 7 paratype workers, 10 paratype queens.
Type-locality: holotype China: Yunnan, Baoshan City, Lujiang Town, Bawan, 1500 m., 11.viii.1998, No. A98-1964, *Pinus yunnanensis* forest, E slope of Nujiang River Valley (*Q. Long*); paratypes: 3 workers, 1 queen with same data, 1 worker with same data but A98-1995, 9 queens with same data but A98-1997, 1 worker with same data but A98-2010, 1 worker with same data but A98-2016, 1 worker with same data but A98-2029.
Type-depository: SFCY.
Status as species: Zhou & Ran, 2010: 111; Guénard & Dunn, 2012: 62.
Junior synonym of *zhaoi*: Staab, *et al*. 2018: 164.

numidicum. *Proceratium numidicum* Santschi, 1912f: 172, figs. 1, 2 (w.q.) TUNISIA.
Type-material: 20 syntype workers, 1 syntype queen.
Type-locality: Tunisia: Ain-Draham (*Normand*).
Type-depositories: MSNG, NHMB, USNM.
[Genus misspelled as *Procetum* in heading, misspelled as *Proceratum* in figure captions.]
Status as species: Brown, 1958g: 248, 334; Brown, 1980b: 343; Agosti & Collingwood, 1987a: 53; Agosti & Collingwood, 1987b: 264 (in key); Bolton, 1995b: 366; Baroni

Urbani & De Andrade, 2003b: 363 (redescription); Petrov, 2006: 83 (in key); Lapeva-Gjonova, *et al*. 2010: 6; Kiran & Karaman, 2012: 29; Borowiec, L. 2014: 150; Lebas, *et al*. 2016: 408; Salata & Borowiec, 2018c: 48.

Senior synonym of *normandi*: Brown, 1974a: 82; Baroni Urbani, 1977d: 93; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 363.

Distribution: Albania, Algeria, Bulgaria, Cyprus, Greece, Tunisia, Turkey.

oceanicum. *Proceratium oceanicum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 310, fig. 127 (w.) FIJI IS (Viti Levu).

Type-material: holotype worker.

Type-locality: Fiji Is: Viti Levu, Nadarivatu, 16.ii.1962, Acc. 25, on soil under grass, rainforest (*R.W. Taylor*).

Type-depository: ANIC.

Status as species: Sarnat & Economo, 2012: 166; Hita Garcia, *et al*. 2015: 103 (redescription); Liu, C., Fischer & Economo, 2015: 39 (in key).

Distribution: Fiji Is.

panamense. *Proceratium panamense* De Andrade, in Baroni Urbani & De Andrade, 2003b: 164, figs. 74 - 77 (w.q.m.) PANAMA, COSTA RICA.

Type-material: holotype worker, 10 paratype workers, 1 paratype queen.

Type-locality: holotype Panama: Bosquete, 15.vi.1978 (*G.J. Umphrey*); paratypes: 6 workers, 1 queen with same data, 4 workers with same data but 16.vi.1978.

Type-depositories: MCZC (holotype); MCZC, MIZA (paratypes).

Baroni Urbani & De Andrade, 2003b: 167 (putative m.).

Distribution: Costa Rica, Panama.

papuanum. *Proceratium papuanum* Emery, 1897c: 592, pl. 15, fig. 38 (q.) NEW GUINEA (Papua New Guinea).

Type-material: holotype queen.

Type-locality: Papua New Guinea: (no further data) (*L. Biró*).

Type-depository: HNHM.

Status as species: Emery, 1911d: 50; Chapman & Capco, 1951: 77; Brown, 1958g: 248; Taylor & Brown, 1985: 40; Taylor, 1987a: 65; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 334 (redescription); Pfeiffer, *et al*. 2011: 58; Sarnat, *et al*. 2013: 74; Liu, C., Fischer & Economo, 2015: 39 (in key).

Senior synonym of *caeca*: Brown, 1958g: 248; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 334.

Senior synonym of *carinifrons*: Baroni Urbani & De Andrade, 2003b: 334.

Distribution: Indonesia (Irian Jaya, Sumatra), Malaysia (Peninsula, Sabah), Papua New Guinea, Philippines (Luzon, Negros), Russell Is, Solomon Is.

pergandei. *Sysphincta pergandei* Emery, 1895c: 264, pl. 8, fig. 4 (w.) U.S.A. (Pennsylvania, District of Columbia).

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

Type-locality: U.S.A.: Pennsylvania, Beatty, no. 175 (*T. Pergande*), and District of Columbia, Washington, 5.vi. , and 6.14 (= 14.vi.), no.175 (*T. Pergande*).

Type-depository: MSNG.

Smith, M.R. 1928b: 242 (m.); Baroni Urbani & De Andrade, 2003b: 227 (q.).

Combination in *Proceratium*: Brown, 1958g: 248.

Status as species: Emery, 1896a: 101; Wheeler, W.M. 1905f: 375; Wheeler, W.M. 1910g: 561; Emery, 1911d: 51; Smith, M.R. 1928b: 242; Dennis, 1938: 276; Wesson, L.G. & Wesson, R.G. 1940: 90; Buren, 1944a: 279; Creighton, 1950a: 42; Smith, M.R. 1951a: 784; Brown, 1958g: 248, 336; Carter, 1962a: 6 (in list); Smith, M.R. 1967: 347; Snelling, R.R. 1967: 9 (in key); Smith, D.R. 1979: 1338; Brown, 1980b: 343 (in key);

DuBois & LaBerge, 1988: 136; Ward, 1988: 117 (in key); Deyrup, *et al*. 1989: 93; Bolton, 1995b: 366; Deyrup, 2003: 46; Baroni Urbani & De Andrade, 2003b: 223 (redescription); Coovert, 2005: 25; MacGown & Forster, 2005: 68; Ellison, *et al*. 2012: 94; Deyrup, 2017: 18.

Distribution: U.S.A.

****petrosum***. **Proceratium petrosum* Dlussky, Rasnitsyn & Perfilieva, 2015: 143, figs. 24, 25 (m.) RUSSIA (Sikhote-Alin, Bol'shaya Svetlovodnaya, Eocene).

****poinari***. **Proceratium poinari* Baroni Urbani & De Andrade, 2003b: 178, figs. 7-10, 15-23, 25 (w.q.m.) DOMINICAN AMBER (Dominican Republic, Miocene).

politum. *Proceratium politum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 324, fig. 131 (w.) NEW CALEDONIA.

Type-material: holotype worker, 1 paratype worker.

Type-locality: holotype New Caledonia: Toili River, Col d'Amieu Forest Station, 21.35S, 165.47E, 350 m., 21.ii.1977, disturbed rainforest, beside stream (*P.S. Ward*); paratype with same data.

Type-depository: ANIC.

Status as species: Liu, C., Fischer & Economo, 2015: 39 (in key).

Distribution: New Caledonia.

pumilio. *Proceratium pumilio* De Andrade, in Baroni Urbani & De Andrade, 2003b: 350, fig. 138 (w.) AUSTRALIA (Queensland).

Type-material: holotype worker.

Type-locality: Australia: NE Queensland, Mt Demi, 7 km. SW Mossman, 16.30S, 145.19E, 1000 m., 29.x.1983, Berlesate no. 604, rainforest, sieved litter (*D.K. Yeates & G.I. Thompson*).

Type-depository: ANIC.

Distribution: Australia.

relictum. *Proceratium relictum* Mann, 1921: 413, fig. 3 (w.q.) FIJI IS (Taveuni I.).

Type-material: 1 syntype worker, 7 syntype queens.

Type-locality: Fiji Is: Taveuni I., Somosomo, under stones (*W.M. Mann*).

Type-depositories: MCZC, USNM.

Status as species: Wheeler, W.M. 1935g: 11; Brown, 1958g: 248; Dlussky, 1994: 53; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 306 (redescription); Sarnat & Economo, 2012: 167; Hita Garcia, *et al*. 2015: 105 (redescription); Liu, C., Fischer & Economo, 2015: 39 (in key).

Distribution: Fiji Is.

robustum. *Proceratium robustum* De Andrade, in Baroni Urbani & De Andrade, 2003b: 356, fig. 140 (w.q.) AUSTRALIA (New South Wales).

Type-material: holotype worker, 3 paratype workers.

Type-locality: holotype Australia: New South Wales, Dorrigo N.P., Glade, 2700 ft, 12.ii.1968, ANIC ants vial 35-130, rainforest, rotting log (*R.W. Taylor*); paratypes with same data.

Type-depository: ANIC.

Baroni Urbani & De Andrade, 2003b: 359 (putative q.).

Distribution: Australia.

rossica. *Sysphincta europaea* subsp. *rossica* Arnol'di, 1930b: 144, figs. 1-3 (w.q.) RUSSIA.

Type-material: 4 syntype workers, 1 syntype queen.

Type-locality: Russia: Aksaj (Dongebiet), 16.vii.1927, Nr. 2537 (*K.V. Arnoldi*).

[Note: type-locality is Aksay in Rostov Oblast (Russia), not Dagestan as recorded in Kostyuk, 1976: 91.]

Type-depositories: SIZK, ZMUM.

[Also described as new by Arnol'di, 1930d: 157.]

Subspecies of *europaea*: Arnol'di, 1932b: 52; Arnol'di, 1933b: 596 (in key); Karavaiev, 1934: 52 (redescription).

Status as species: Kratochvíl, in Kratochvíl, *et al*. 1944: 58 (in key).

Junior synonym of *melinum*: Brown, 1958g: 248, 334; Arnol'di & Dlussky, 1978: 524 (in key) ; Smith, D.R. 1979: 1338; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 251; Radchenko, 2016: 75.

rugulosum. *Proceratium silaceum* subsp. *rugulosum* Wheeler, W.M. 1915b: 390 (w.q.) U.S.A. (Indiana).

Type-material: 4 syntype workers, 1 syntype queen.
Type-locality: U.S.A.: Indiana, Wyandotte (*W. Blatchley*).
Type-depositories: MCZC, USNM.

Subspecies of *silaceum*: Wheeler, W.M. 1917i: 460; Smith, M.R. 1951a: 784.

Junior synonym of *silaceum*: Creighton, 1950a: 40; Brown, 1958g: 248, 336; Smith, M.R. 1958c: 111; Smith, D.R. 1979: 1339; Bolton, 1995b: 366; Baroni Urbani & De Andrade, 2003b: 408.

sali. *Proceratium sali* Hita Garcia, Hawkes & Alpert, 2014: 76, figs. 3C, 6B, 7B, 16A-C, 18 (w.) TANZANIA.

Type-material: holotype worker.
Type-locality: Tanzania: Morogoro, Ulanga, Sali Forest Reserve, 8.94497S, 36.67261E, 1150 m., 17-20.x.2007, CEPF-TZ-9.1, primary forest (*P. Hawkes, M. Bhoke & U. Richard*).
Type-depository: SAMC.
Distribution: Tanzania.

shohei. *Proceratium shohei* Staab, Xu & Hita Garcia, in Staab, *et al*. 2018: 176, figs. 3A, 3C, 22, 23, 25 (w.) CHINA (Yunnan).

Type-material: holotype worker.
Type-locality: China: Yunnan Prov., Xishungbanna, km. 55 station, 21.964°N, 101.202E, 820 m., 13.vi.2013, #05121, Winkler, rainforest (*B. Guénard, B. Blanchard & C. Liu*).
Type-depository: SFCY.
Distribution: China.

siamense. *Proceratium siamense* De Andrade, in Baroni Urbani & De Andrade, 2003b: 342, fig. 136 (w.) THAILAND.

Type-material: holotype worker, 1 paratype worker.
Type-locality: holotype Thailand: Doi Inthanon, 7.xi.1985 (*Löbl & Burckhardt*); paratype with same data.
Type-depositories: MHNG (holotype); BMNH (paratype).
Distribution: Thailand.

silaceum. *Proceratium silaceum* Roger, 1863a: 172 (w.) North America (no state data).

Type-material: holotype worker.
Type-locality: North America (no further data).
[Note: Wheeler, W.M. 1915b: 390, refers to "four cotypes of *silaceum*" with collection data U.S.A.: Pennsylvania, Beatty (*P.J. Schmitt*). These specimens (presumably in MCZC) are not type-material.]
Type-depository: MNHU.

Emery, 1895c: 265 (q.); Kennedy & Talbot, 1939: 202 (m.); Crozier, 1970: 116 (k.).

Status as species: Roger, 1863b: 16; Mayr, 1863: 451; Mayr, 1886d: 437; Cresson, 1887: 258; Dalla Torre, 1893: 18; Emery, 1895c: 265; Emery, 1896a: 101; Wheeler, W.M. 1905f: 375; Wheeler, W.M. 1910g: 561; Emery, 1911d: 50; Dennis, 1938: 276; Kennedy & Talbot, 1939: 202; Wesson, L.G. & Wesson, R.G. 1940: 91; Creighton, 1950a: 40; Smith, M.R. 1951a: 784; Brown, 1958g: 248, 336; Smith, M.R. 1958c: 111; Carter, 1962a: 6 (in list); Smith, M.R. 1967: 347; Snelling, R.R. 1967: 9 (in key); Brown, 1974a: 82; Smith, D.R. 1979: 1339; Brown, 1980b: 343 (in key); DuBois & LaBerge, 1988: 136; Ward, 1988: 116 (in key); Deyrup, *et al*. 1989: 93; Brandão, 1991: 373; Wheeler, G.C., *et al*. 1994: 302; Bolton, 1995b: 367; Deyrup, 2003: 46; Baroni Urbani & De Andrade, 2003b: 408 (redescription); Coovert, 2005: 26; MacGown & Forster, 2005: 68; Ellison, *et al*. 2012: 95; Deyrup, 2017: 19; Fernandes, Delabie & Fernández, 2019: 556.

Senior synonym of *rugulosum*: Creighton, 1950a: 40; Brown, 1958g: 248, 336; Smith, M.R. 1958c: 111; Smith, D.R. 1979: 1339; Bolton, 1995b: 367; Baroni Urbani & De Andrade, 2003b: 408.

Senior synonym of *vestitum*: Creighton, 1950a: 40; Brown, 1958g: 248, 336; Smith, M.R. 1958c: 111; Smith, D.R. 1979: 1339; Bolton, 1995b: 367; Baroni Urbani & De Andrade, 2003b: 408.

Distribution: Canada, Mexico, U.S.A.

silisili. *Proceratium silisili* Liu, C., Fischer & Economo, 2015: 40, fig. 5 (w.) SAMOA.

Type-material: holotype worker.

Type-locality: Samoa: Savai, 5.4 km. SSW A'opo vil., Mt Silisili, 13°38'10''S, 172°30'23''W, 1200 m., 22.iv.2015, montane rainforest, leaf litter (*E. Sarnat & C. Liu*).

Type-depository: OMNH.

Distribution: Samoa.

snellingi. *Proceratium snellingi* Baroni Urbani & De Andrade, 2003b: 388, fig. 150 (w.q.) NEW GUINEA (Papua New Guinea).

Type-material: holotype worker, 1 paratype worker.

Type-locality: holotype Papua New Guinea: Gulf Prov., Ivimka camp, Lakekamu Basin, 120 m., 7.7°S, 146.8°E, 12.xi.1996, #96-316, lowland wet forest, sifted litter (*R.R. Snelling*); paratype with same data.

Type-depository: LACM.

Distribution: Papua New Guinea.

sokoke. *Proceratium sokoke* Hita Garcia, Hawkes & Alpert, 2014: 79, figs. 1D, 3B, 6A, 7A, 17A-C, 18 (w.) KENYA.

Type-material: holotype worker.

Type-locality: Kenya: Coastal Prov., Arabuko Sokoke Forest, vi.2009, FHG00206, Winkler, leaf litter (*F. Hita Garcia & B.L. Fisher*).

Type-depository: MCZC.

Distribution: Kenya.

stictum. *Proceratium stictum* Brown, 1958g: 336, figs. 45, 46 (w.) AUSTRALIA (Queensland).

Type-material: holotype worker.

Type-locality: Australia: N Queensland, Kuranda, 370 m., 1.xi.1950, rainforest (*W.L. Brown*).

Type-depository: MCZC.

Baroni Urbani & De Andrade, 2003b: 87 (putative m.).

Status as species: Taylor & Brown, 1985: 40; Taylor, 1987a: 65; Bolton, 1995b: 367; Baroni Urbani & De Andrade, 2003b: 84 (redescription).

Distribution: Australia.

striativenter. *Proceratium striativenter* De Andrade, in Baroni Urbani & De Andrade, 2003b: 379, figs. 3, 147 (w.) BORNEO (East Malaysia: Sarawak).

Type-material: holotype worker.

Type-locality: Malaysia: Sarawak, Mt Santubong, nr Kuching, ca 1800 ft, 5.vi.1968, Acc. 68.294, rainforest, leafmould berlesate (*G. Rothschild*).

Type-depository: ANIC.

Status as species: Pfeiffer, *et al*. 2011: 58.

Distribution: Malaysia (Sarawak).

sulawense. *Proceratium sulawense* De Andrade, in Baroni Urbani & De Andrade, 2003b: 392, fig. 151, 152 (w.q.) INDONESIA (Sulawesi), BORNEO (East Malaysia: Sarawak).

Type-material: holotype worker.

Type-locality: Indonesia: Sulawesi Utara, Danau Mooat, 1200 m., nr Kotamobagu, 13.ix.1985 (no collector's name).

Type-depository: BMNH.

Baroni Urbani & De Andrade, 2003b: 395 (putative q.).

Status as species: Pfeiffer, *et al*. 2011: 58.

Distribution: Indonesia (Sulawesi), Malaysia (Sarawak).

taino. *Proceratium taino* De Andrade, in Baroni Urbani & De Andrade, 2003b: 186, fig. 80 (w.q.) DOMINICAN REPUBLIC.

Type-material: holotype worker.

Type-locality: Dominican Republic: La Vega Prov., P.N. A. Bermudez, 4 km. SW Cienaga, 1200 m., 21.vii.1995, 95-42, forest litter (*S. & J. Peck*).

Type-depository: MCZC.

Baroni Urbani & De Andrade, 2003b: 189 (putative q.).

Status as species: Lubertazzi, 2019: 161.

Distribution: Dominican Republic.

terraealtae. *Proceratium terraealtae* De Andrade, in Baroni Urbani & De Andrade, 2003b: 330, fig. 133 (w.) WEST MALAYSIA.

Type-material: holotype worker.

Type-locality: Malaysia: Pahang, Cameron Highlands, xi.1987 (*Wheatcroft*).

Type-depository: BMNH.

Disribution: Malaysia (Peninsula).

terroni. *Proceratium terroni* Bolton, 1995b: 367.

Replacement name for *Proceratium coecum* Terron, 1981: 99. [Junior secondary homonym of *Ponera caeca* Donisthorpe, 1949b: 491.]

Status as species: Baroni Urbani & De Andrade, 2003b: 285 (redescription).

Distribution: Cameroon.

tio. *Proceratium tio* Snelling & Cover, 1992: 50, fig. 1 (w.) MEXICO (Veracruz).

Type-material: holotype worker.

Type-locality: Mexico: Veracruz, 6 mi. NE Catemaco, 1500 ft, 7.vii.1976, rainforest leaf litter (*A. Newton*).

Type-depository: MCZC.

Status as species: Bolton, 1995b: 367; Baroni Urbani & De Andrade, 2003b: 108 (redescription); Branstetter & Sáenz, 2012: 263.

Distribution: Guatemala, Mexico.

toschii. *Sysphincta toschii* Consani, 1951: 167, fig. 1 (w.) KENYA.

Type-material: holotype worker.

[Note: Baroni Urbani & De Andrade, 2003b: 282, point out that the holotype is a "sub-ergatoid gyne", not a worker.]

Type-locality: Kenya: Nairobi, ix.1945 (*S. Patrizi*).

Type-depository: EZGT.

[Note: in the publication the holotype is said to be in IEUB, but Baroni Urbani & De Andrade, 2003b: 282, located it in EZGT.]

Combination in *Proceratium*: Brown, 1958g: 248.

Status as species: Terron, 1981: 102 (in key); Brown, 1958g: 248, 339; Bolton, 1995b: 367; Baroni Urbani & De Andrade, 2003b: 282 (redescription); Hita Garcia, *et al*. 2013: 222.

Distribution: Kenya.

transitionis. *Proceratium transitionis* De Andrade, in Baroni Urbani & De Andrade, 2003b: 119, figs. 56, 57 (w.) COLOMBIA.

Type-material: holotype worker.

Type-locality: Colombia: Santander, Virolín, Costilla de Fara, 6°6'19''N, 73°13'20''W, 1800 m., 29.iii.1999 (*E.L. González*).

Type-depository: IAVH.

Status as species: Sosa-Calvo & Longino, 2008: 232.

Distribution: Colombia.

vestitum. *Proceratium crassicorne* var. *vestitum* Emery, 1895c: 266 (w.) U.S.A. (Maryland).

Type-material: holotype worker.

Type-locality: U.S.A.: Maryland, Charlton Heights, 24. ix.1891 (no collector's name).

Type-depository: MSNG.

Subspecies of *crassicorne*: Wheeler, W.M. 1910g: 561; Emery, 1911d: 50; Smith, M.R. 1951a: 784.

Junior synonym of *silaceum*: Creighton, 1950a: 40; Brown, 1958g: 248, 336; Smith, M.R. 1958c: 111; Smith, D.R. 1979: 1339; Bolton, 1995b: 367; Baroni Urbani & De Andrade, 2003b: 408.

vinaka. *Proceratium vinaka* Hita Garcia, *et al*. 2015: 107, figs. 1A, D, 5, 6 (w.) FIJI IS (Viti Levu).

Type-material: holotype worker.

Type-locality: Fiji Is: Viti Levu, Savatu Dist., Mt Tomanivi, 2.4 km. E Navai Village, -17.61806°, 178.0055°, 950 m., 25.vi.2005, EMS#2153-4, mid-elevation rainforest, soil, leaf litter, decaying wood (*E.M. Sarnat*).

Type-depository: BPBM.

Status as species: Liu, C., Fischer & Economo, 2015: 39 (in key).

Distribution: Fiji Is.

watasei. *Sysphincta watasei* Wheeler, W.M. 1906c: 303, pl. 41, fig. 5 (w.q.) JAPAN.

Type-material: 1 syntype worker, 1 syntype queen.

Type-localities: worker Japan: Okayama, Bizen (*H. Sauter*), queen Japan: Sagami Gulf, Kamakura (*H. Sauter*).

Type-depository: DEIB?

[Note: Wheeler does not nominate a type-depository, and no depository is noted by either Onoyama & Yoshimura, 2002: 43, or Baroni Urbani & De Andrade, 2003b: 215. It may be assumed that they are in the Sauter collection in DEIB.]

[Misspelled as *watsoni* by Chapman & Capco, 1951: 77.]

Ogata, 1987: 107 (m.); Onoyama & Yoshimura, 2002: 45 (m.).

Combination in *Proceratium*: Brown, 1958g: 248.

Status as species: Emery, 1909c: 362; Yano, 1910: 418; Emery, 1911d: 51; Wheeler, W.M. 1928d: 98; Azuma, 1950: 34; Azuma, 1951: 86; Azuma, 1953: 1; Brown, 1958g: 248; Collingwood, 1976: 300; Azuma, 1977: 112; Onoyama, 1980: 196; Morisita, *et al*. 1989: 15; Bolton, 1995b: 367; Kim, Kim & Kim, 1998: 151; Onoyama & Yoshimura, 2002: 43 (redescription); Imai, *et al*. 2003: 217; Baroni Urbani & De Andrade, 2003b: 215 (redescription); Radchenko, 2005b: 132.

Distribution: Japan, Korea.

watsoni, misspelling, see under *watasei*.

williamsi. *Proceratium williamsi* Mathew & Tiwari, 2000: 273, figs. 14-15 (w.q.) INDIA (Meghalaya).

Type-material: holotype worker, 2 paratype workers, 3 paratype queens.

Type-locality: holotype India: Meghalaya, East Khasi Hills, Shillong, Risa Colony,14.v.1976 (*R. Mathew*); paratypes with same data.

Type-depositories: NZSI (holotype); NZSI, NZSS (paratypes).

Status as species: Bharti & Wachkoo, 2014b: 70; Bharti, Guénard, *et al*. 2016: 54.

Senior synonym of *bhutanense*: Bharti & Wachkoo, 2014b: 70.

Distribution: Bhutan, India.

zhaoi. *Proceratium zhaoi* Xu, 2000c: 435, figs. 3-10 (w.q.) CHINA (Yunnan).

Type-material: holotype worker, 6 paratype workers, 24 paratype queens.

Type-locality: holotype China: Yunnan Prov., Menghai County, Meng'a Town, Papo Village, 10.ix.1997, soil sample, deciduous broadleaf forest, No. A97-2338 (*Z. Xu*); paratypes: 1 worker with same data, 5 workers, 24 queens with same data but No. A97-2380.

Type-depository: SFCY.

Status as species: Xu, 2006: 153 (in key); Zhou & Ran, 2010: 111; Guénard & Dunn, 2012: 62; Staab, *et al*. 2018: 164 (redescription).

Senior synonym of *nujiangense*: Staab, *et al*. 2018: 164.

Distribution: China.