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CATALOGUE OF DACETINI AND SOLENOPSIDINI ANT TYPE SPECIMENS (HYMENOPTERA, FORMICIDAE, MYRMICINAE) DEPOSITED IN THE MUSEU DE ZOOLOGIA DA UNIVERSIDADE DE SÃO PAULO, BRAZIL

MÔNICA ANTUNES ULYSSÉA^{1,2,3}
CARLOS R.F. BRANDÃO^{2,4}

ABSTRACT

The present catalogue lists ant (Formicidae) types of the Myrmicinae tribes Dacetini (Acanthognathus and Strumigenys) and Solenopsidini (Allomeurs, Carebarella, Megalomyrmex, Monomorium, Oxyepoecus, Solenopsis, Carebara and Tropicomyrmex) housed in the Formicidae collection of the Laboratório de Hymenoptera, Museu de Zoologia da Universidade de São Paulo/MZSP, Brazil. In total, the collection includes 141 types of these tribes, 41 of the Dacetini (nine holotypes and paratypes, 15 holotypes, 13 paratypes and four syntypes) and 100 of the Solenopsidini (28 holotypes and paratypes, eight holotypes, 29 paratypes, 27 syntypes, four lectotypes and paralectotypes, one lectotype and three paralectotypes), of which 37 and 89 are of still recognized species, respectively. We record label information, condition of the specimens, nomenclatural changes and type status, as well as provide indexes of the listed taxa.

KEY-WORDS: Catalogue; Ants; Types; MZSP; Dacetini; Solenopsidini.

INTRODUCTION

The Formicidae collection housed in the Laboratório de Hymenoptera of the Museu de Zoologia da Universidade de São Paulo/MZSP is one of the most important and representative ant collections for the Neotropical region. This is the case regarding the number of types, species and specimens, as well geographic coverage (Brandão, 2000), due to the acquisition of the Walter Wolfgang Kempf and Thomaz Borgmeier collections in 1977 (Brandão, 1991). In addition, the collection had also obtained specimens belonging to the collections of Nicolas Kusnezov and

William Mowry Mann. More recently, material has been added by several collaborators, including C.R.F. Brandão (the collection's curator since 1981), his students, and various other museum collaborators and associates (Esteves *et al.*, 2011).

The ant types deposited in MZSP catalogues published thus far include fungus-growing ants (Myrmicinae: Attini) (Klingenberg & Brandão, 2005), Poneromorphs (Amblyoponinae, Ectatomminae, Heteroponerinae, Ponerinae and Proceratiinae) (Scott-Santos *et al.*, 2008), Pseudomyrmecinae (Brandão *et al.*, 2010) and Dorylomorphs (Aenictinae, Ecitoninae, Cerapachyinae and Leptanilloidinae) (Esteves *et al.*, 2011).

1. Programa de Pós-Graduação em Sistemática, Taxonomia Animal e Biodiversidade.

2. Museu de Zoologia, Universidade de São Paulo. Caixa Postal 42.494, 04218-970, São Paulo, SP, Brasil.

3. E-mail: monicaulyssea@gmail.com

4. E-mail: crfbrand@usp.br

The present catalogue deals with Dacetini and Solenopodidini ants, and is the fifth in a series aiming to list all ant types deposited at MZSP. Myrmicinae is a cosmopolite subfamily with the highest local and global species richness (Albuquerque & Brandão, 2004, 2009), including 24 tribes. Dacetini (Forel, 1892: 344) comprises eight genera and 921 recognized species (Bolton, 2012); and Solenopsidini (Forel, 1893: 164) currently includes 20 genera (two *incertae sedis*), 840 species and 133 subspecies (Albuquerque & Brandão, 2004, 2009; Silva *et al.*, 2009; Bolton, 2012; Delsinne *et al.*, 2012), representing two of the largest tribes of the subfamily.

The current situation of the Dacetini tribe deserves a comment. For the classification of ants we follow Bolton (2012), who partially accepted the propositions made by Baroni-Urbani & De Andrade (2007) for Dacetini, adopting the genus *Strumigenys* *sensu* Baroni-Urbani & De Andrade, yet still considering Basicerotini (*Basicros*, *Eurhopalothrix*, *Octostruma*, *Protalaridris*, *Rhopalothrix* and *Talaridris*) and Phalacromyrmecini (*Phalacromyrmex*) as separate tribes from Dacetini (*Acanthognathus*, *Colobostruma*, *Daceton*, *Epostruma*, *Mesostruma*, *Microdaceton*, *Orectognathus* and *Strumigenys*).

The objective of this catalogue is to provide label information and conservation status of Dacetini and Solenopsidini type specimens in the MZSP, and the current taxonomic status of the species. Our aim is to encourage further studies and also to avoid unnecessary movement of precious, sometimes unique, specimens, as proposed by the International Code of Zoological Nomenclature (1999) about institutional responsibility: "every institution in which name-bearing types are deposited should make them accessible for studies, publish lists of name-bearing types in its possession or custody, and so far as possible, communicate information concerning name-bearing types".

MATERIAL AND METHODS

For preparation of the catalogue, information from labels related to Dacetini and Solenopsidini ant types deposited at MZSP was compared to the original descriptions – which can be easily found on the Global Ant Project website (<http://gap.entclub.org/taxonomists/index.html>) (Bolton, 2012), the Thomaz Borgmeier catalogue and the MZSP catalogue of identifier numbers. The nomenclature of type specimens was updated following the ICZN (1999).

The combination of type names within genera and species are quoted in alphabetical order by last

name, according the genus they are presently organized. We used the following abbreviations: Coll. = collection, Coll. Borgm. = T. Borgmeier Collection, Coll. Kempf = W.W. Kempf Collection, Coll. Mann = W.M. Mann Collection, Coll. Kusn. = N. Kusnezov Collection, M = worker, S = soldier (major worker), G = gyne, M = male, col(s). = collector(s) and leg. = legit. Furthermore, to indicate the conservation status of the type specimens recorded in the present catalogue, we used: A = antenna, W = wing and L = leg. We use A1 for the left antenna and A2 for the right antenna. W1 and W2 representing the anterior and posterior left wings, respectively, and W3 and W4 representing the right wings. L1, L2 and L3 represent the left legs and L4, L5 and L6 the right legs. MP is an abbreviation for Museu Paulista, of which the old Zoological section became the present MZSP in 1939.

In order to record information related to the MZSP Dacetini and Solenopsidini ant types, the following order is adopted in the present catalogue (although we do not have complete information for all entries): species name in the original combination (in alphabetical order by species within genera), author, publication year, page number, posterior taxonomic assignments, type category, number of type specimens of each sex or caste, place of collection, date, collector, original collection name, collection number or collection code and other information. All this information is taken from labels and listed as completely as they appear on the labels, compared with information in the original publication. We also comment on the conservation status of specimens. When appropriate, we indicate broken body parts glued to the paper triangle that holds the type specimen, or the ones lost.

Additional information, present in publications but not recorded on labels, is presented in brackets; for the sake of clarity, we also added further information that we were able to recover from different sources. At the end of each species entry we present, when necessary, the present valid name of the taxon corresponding to the type specimen listed. Finally, we present an index of all the valid names listed in the present catalogue and their respective synonyms or current combinations. The complete information regarding all names listed here can be found in Bolton (2012).

RESULTS

This catalogue includes information on types of 41 nominal species of Dacetini (nine holotypes and paratypes, 15 holotypes, 13 paratypes and four

syntypes) and 100 of Solenopsidini (28 holotypes and paratypes, eight holotypes, 29 paratypes, 27 syntypes, four lectotypes and paralectotypes, one lectotype and three paralectotypes). Dacetini's nominal species include 156 individuals of two genera (54 of *Acanthognathus* and 102 of *Strumigenys*), of which 22 species are still valid, 14 have been already synonymized, three are junior synonyms, one was revived from the synonym and one was renamed by previous authors. There are types of 100 Solenopsidini nominal species, including 770 individuals of the eight genera (46 of *Allomeurs*, three of *Carebarella*, 146 of *Megalomyrmex*, eight of *Monomorium*, 267 of *Oxyepoecus*, 243 of *Solenopsis*, 43 of *Carebara* and 12 of *Tropidomyrmex*), of which 87 belong to still valid species, seven are considered junior synonyms, two were raised to species, one was renamed and three are considered unavailable names by previous authors.

Subfamily Myrmicinae

Tribe Dacetini

Genus *Acanthognathus* Mayr, 1887: 578

Acanthognathus rudis Brown & Kempf, 1969: 100. Holotype: 1W [Brazil], São Paulo, Água Funda, rotten wood, viii.1962, W.L. Brown [leg.]. Paratypes: 2W [Brazil], PR[Paraná], Bocaiúva [do Sul], v.1963, F. Plaumann [leg., Coll. Kempf] #3999. 1W [Brazil], PR[Paraná], Palmeira, v.1964, F. Plaumann [leg., Coll. Kempf] #4015. 3W [Brazil], Paraná, Volta Grande, iv.[19]49, [R.J.G.] Hertel [leg.]. 1W [Brazil, Rio de Janeiro], Itatiaya [Parque Nacional do Itatiaia], xii.[19]55, [T.] Borgmeier [leg.]. 1W [Brazil], RS[Rio Grande do Sul], Tainhas, iv.1959, F. Plaumann [leg., Coll. Kempf] #3250. 1W [Brazil], SC[Santa Catarina], Chapecó, vi.1960, F. Plaumann [leg.]. Missing L1 last tarsus. 1W [Brazil], SC[Santa Catarina], Chapecó, viii.1960, F. Plaumann [leg., Coll. Kempf] #4618. 1G [Brazil], SC[Santa Catarina], Ibicaré, vii.1959, F. Plaumann [leg., Coll. Kempf] #3126. Dealate gyne. 2W [Brazil], SC[Santa Catarina], Ibicaré, ix.1960, F. Plaumann [leg., Coll. Kempf] #3621. One worker missing L5. 2W 1G Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11B 52°23L, 300-500 m, x.1953, Fritz Plaumann [leg.]. Dealate gyne. 1W Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11B 52°23L, 300-500 m, ii.1959,

Fritz Plaumann [leg., Coll. Kempf] #3379. 1W Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11B 52°23L, 300-500 m, vii.1959, Fritz Plaumann [leg.], Coll. Kempf #3100. 1W Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11B 52°23L, 300-500 m, ii.1960, Fritz Plaumann [leg., Coll. Kempf] #3780. Missing A1 apical segment of the funiculus. 1W Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11B 52°23L, 300-500 m, vi.1960, Fritz Plaumann [leg., Coll. Kempf] #3956. 1W Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11B 52°23L, 300-500 m, vii.1961, Fritz Plaumann [leg., Coll. Kempf] #3379. 1W Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11B 52°23L, 300-500 m, i.1963, Fritz Plaumann [leg., Coll. Kempf] #3744. 1G Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11B 52°23L, 300-500 m, vi.1963, Fritz Plaumann [leg., Coll. Kempf] #3709. Dealate gyne. 2W [Brazil], S[anta] Cat[arina], Seara, vii.1958, [F.] Plaumann [leg., Coll. Kempf] #2687. 9W [Brazil], S[ão] Paulo, Água Funda, 17.ix.1958, K. Lenko col., #608. One worker missing L2 tarsus. 1M Brazil, São Paulo, Água Funda, Jardim Botânico, wet forest, ii.[19]67, W.L. Brown [leg.]. 7W Brazil, S[ão] Paulo, Barueri, 22.xi.1958[original description says "xii"], K. Lenko leg., #708. One worker lost; one worker missing L3. 5W 1G [Brazil], SP[São Paulo], Guararema, 29.xii.1957, W.[W.] Kempf [leg., Coll. Kempf] #2120. 4W 1G [Brazil], SP[São Paulo], S[erra] da Cantareira, 1.ii.1959[original description says "i"], W.W. Kempf & V. dos Santos [leg.], Coll. Kempf #2915. Dealate gyne.

Genus *Pyramica* Roger, 1862a: 251

Combination in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 110-130.

Genus *Strumigenys* F. Smith, 1860: 72

Codiomyrmex reticeps Kempf, 1969: 286. Holotype: 1W Brazil, S[ão] P[aulo], Salesópolis, Est[ação] Biol[ógica] de Boracéia, 5.iii.1962, in humus, K. Lenko col. Disarticulated gaster and postpetiole glued on a paper triangle. Combination in *Glomyrmex* by Bolton, 1995: 208; in *Pyramica* by Bolton, 1999: 1672; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 126.

- Glomyrmex aztecus* Kempf, 1960: 444. Paratype: 1W Mex[ico], Vera Cr[uz], Pueblo Nuevo, nr[near] Tetzonapa, rain forest, 18.viii[19]53, E.O. Wilson [leg., berlese funnel]. Missing L1. Combination in *Pyramica*: Bolton, 1999: 1672; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 116.
- Glomyrmex substrictus* Kempf, 1964: 68. Holotype: 1W [Brazil], PR[Paraná], Bocaiúva [do Sul], xii.1963, F. Plaumann [leg., Coll. Kempf] #3834. Disarticulated head glued on a paper triangle. Combination in *Pyramica* by Bolton, 1999: 1672; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 128.
- Gymnomyrmex abditus* Kempf, 1960: 448. Holotype: 1W [Brazil], PR[Paraná], Rio Azul, 1000 m, x.1959, F. Plaumann [leg.], #3151. Paratypes: 4W [Brazil], PR[Paraná], Rio Azul, 1000 m, x.1959, F. Plaumann [leg.], #3151. Combination in *Pyramica* by Bolton, 1999: 1672, new name, *P. abditivata*, by Bolton 2000: 231; combination in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 110.
- Gymnomyrmex comis* Kempf, 1959: 342. Holotype: 1W, [Brazil], SC[Santa Catarina], Serra Geral, xii.1958, F. Plaumann [leg.], Coll. Kempf #3003. Missing L2 fourth and fifth tarsus, L3 femur, tibia and tarsus. Combination in *Pyramica*: Bolton, 1999: 1672; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 117.
- Gymnomyrmex dentinasis* Kempf, 1960: 450. Holotype: 1W [Brazil], PR[Paraná], Rio Azul, 1000 m, x.1959, F. Plaumann [leg.], #3150. Combination in *Pyramica* by Bolton, 1999: 1672; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 118.
- Gymnomyrmex minusculus* Kempf, 1962: 24. Holotype: 1W Brazil, SC[Santa Catarina], Chapecó, vii.1960, [F.] Plaumann col. Combination in *Pyramica* by Bolton, 1999: 1672; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 124.
- Gymnomyrmex rugithorax* Kempf, 1959: 339. Holotype: 1W Brazilien[Brazil, Santa Catarina], Nova Teutônia, 27°14B 52°23L, 300-500 m, xii.1958, Fritz Plaumann [leg.], Coll. Kempf #3002. Missing A2 funiculus. Combination in *Pyramica* by Bolton, 1999: 1672; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 127.
- Gymnomyrmex splendens* Borgmeier, 1954: 279. Holotype: 1W Brazilien[Brazil, Santa Catarina], Nova Teutônia, 27°11B 52°23L, 300-500 m, x.1953, Fritz Plaumann [leg.]. Combination in *Pyramica* by Bolton, 1999: 1672; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 128.
- Neostruma zeteki* Brown, 1959: 10. Paratype: 1W [Panama], Barro Colorado Is[land], C[anal] Z[one], iv-v.[19]42, J. Zetek [leg.], nº 4953. Missing head, L2 second to fifth tarsus. Combination in *Pyramica* by Bolton, 1999: 1672; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 130.
- Pyramica dapsilis* Bolton, 2000: 217. Holotype: 1W Brazil, SP[São Paulo], Salesópolis, E[estação] B[iológica] [de] Boracéia, 3-5.v.1996, [C.R.F.] Brandão, [D.] Agosti, [J.L.M.] Diniz, [R.] Silvestri, & [C.I.] Yamamoto [leg.]. Combination in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 118.
- Pyramica urrhobia* Bolton, 2000: 228. Paratype: 1W Trinidad, Arena Res[erve], 3.viii.[19]76, J. Noyes [leg.]. Combination in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 130.
- Smithistruma alegrensensis* Brown, 1953a: 103. Holotype: 1W [Brazil], RS[Rio Grande do Sul], Porto Alegre, [Gloria], 4.x.1926, [P. Pio] Buck [S.J. leg.], Coll. Borgm. #1186. Paratypes: 5W [Brazil], RS[Rio Grande do Sul], Porto Alegre, [Gloria], 4.x.1926, [P. Pio] Buck [S.J. leg.], Coll. Borgm. #1186. One worker missing head. Junior synonym of *S. emiliae* Forel, 1907: 11 by Brown, 1964: 193, combination in *Pyramica* by Bolton 1999: 1673; combination in *Strumigenys* reinstated by Baroni-Urbani & De Andrade, 2007: 119.
- Smithistruma cincinnata* Kempf, 1974b: 419. Holotype: 1W Brazil, Amazonas, Manaus to Itacoatiara Rd[Road], km 49, 24.viii.1962, W.L. Brown [leg.]. Missing A2 and L5 second to fifth tarsus. Paratypes: 2W Brazil, Amazonas, 20-50 km N[orth] +[and] NE[Northeast] Manaus, viii-ix.1962, W.L. Brown [leg.], berlese [funnel]. One worker missing L2 second to fifth tarsus, disarticulated gaster and postpetiole glued on a paper triangle. Combination in *Pyramica*: Bolton, 1999: 1673; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 117.
- Smithistruma sublucida* Brown, 1953d: 99. Holotype: 1W, Paratype: 1W [Brazil], RS[Rio Grande do Sul], Porto Alegre, Glória, 1.viii.1926, [P. Pio] Buck [S.J. leg.], Coll. Borgm. #1196. Paratype missing L4 trochanter, femur, tibia and tarsus. Combination in *Pyramica* by Bolton, 1999: 1673; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 128.
- Smithistruma tanymastax* Brown, 1964: 183. Holotype: 1W Brazilien[Brazil, Santa Catarina], Nova Teutônia, 27°11B 52°23L, 300-500 m,

- [no date], Fritz Plaumann [leg.]. Only the gaster. Combination in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 128. Comment: In the MZSP collection there are two workers labeled as paratypes – 1W [Brazil], SC[Santa Catarina], Chapecó, 600 m, vii.1960, F. Plaumann [leg.]. Missing L4 femur, tibia and tarsus. 1W [Brazil], SP[São Paulo], S[erra da] Cantareira, 31.i.1960, [W.W.] Kempf & [V. dos] Santos [leg.], #3371 – that are not described in the original publication. We do not consider them as paratypes. Combination in *Pyramica* by Bolton, 1999: 1673; in *Strumigenys* by Baroni-Urbani & De Andrade, 2007: 128.
- Strumigenys carinithorax* Borgmeier, 1934: 103. Cotypes[Syntypes]: 5W 1G 3M [Surinam, ex-Dutch Guiana], Paramaribo, [Estação Experimental Agrícola, Plantação de Café, G.H.] Buenzli[Bünzli leg.]. Dealate gyne; one worker missing head; one worker missing A1/A2 funiculus.
- Strumigenys clamospongia* Brown, 1953b: 2. Holotype: 1W Brazil, [Rio de Janeiro], Petrópolis, viii.22.[1938], [T.] Borgmeier [leg.], Coll. Borgm. #5884. Paratypes: 2W [Brazil, Rio de Janeiro], Petrópolis, [viii.1937], T. Borgmeier [leg.], Coll. Borgm. #5884. Junior synonym of *S. louisianae* Roger, 1863: 211 by Brown, 1961: 64.
- Strumigenys connectens* Kempf, 1958a: 59. Paratype: 1W Colombia, SA, 22.viii.[19]45, SF 19518, USNM[National Museum of Natural History] 45-16312, on *Cattleya mendeli*[Orchid]. Missing L1/L2/L3 trochanter, femur, tibia and tarsus, L6 tibia and tarsus, disarticulated petiole, postpetiole, gaster and head glued on a paper triangle. Combination in *Pyramica* by Bolton, 1999: 1673; combination in *Strumigenys* reinstated by Baroni-Urbani & De Andrade, 2007: 117.
- Strumigenys cosmstela* Kempf, 1975b: 413. Holotype: 1W Brazil, Pará, Iriboca, Pirelli [Rubber] Plantation, nr[near] Belém, BF-18, 15.viii.1962, W.L. Brown [leg.]. Missing L5 second to fifth tarsus, L6 tibia and tarsus. Paratype: 1W Brazil, Pará, nr[near] Belém, Utinga tract[State Park], BF-11, 12.viii.1962, W.L. Brown [leg.].
- Strumigenys deltisquama* Brown, 1957: 99. Cotype[Paratype]: 1W [Panama], Barro Colorado [Island], C[anal] Z[one], 7.i.[19]41, K.W. Cooper [leg.].
- Strumigenys diabola* Bolton, 2000: 533. Holotype: 1W Brazil, Amazonas, Igarapé Marianil, at R[io] Branco Rd[Road], km 5, ca. 24 km, NE[Northeast] Manaus, 22.viii.1962, W.L. Brown [leg.].
- Strumigenys dubitata* Bolton, 2000: 523. Paratype: 1W Costa Rica, Gste[Guanacaste] Pv[Provincia], Guanacaste N[ational] P[ark], Santa Rosa Sector, 300 m, iv.1985, J. Memmott [leg.].
- Strumigenys eggersi* Emery, 1890: 69. Syntype: 1W [Antilles Island, Saint Thomas Island, MZSP] #11414. Combination in *Pyramica* by Bolton, 1999: 1673; combination in *Strumigenys* reinstated by Baroni-Urbani & De Andrade, 2007: 119.
- Strumigenys fredericimuelleri* Forel, 1886: 213. Cotype[Syntype]: 1W Brazil, [Santa Catarina], Itajahy[Blumenau, W. Müller leg., MZSP] #11.413. Combination in *Pyramica* by Bolton, 1999: 1673; combination in *Strumigenys* reinstated by Baroni-Urbani & De Andrade, 2007: 120.
- Strumigenys gemella* Kempf, 1974b: 416. Paratypes: 3W Colombia, Dept[Departament] Valle, Pichindé Vy[Valley], SW[Southwest] Calli, Mt. rainfor.[rain forest], rot wood, 1570 m, 22.iii.1967, R.B. Root & W.L. Brown [leg.]. Combination in *Pyramica* by Bolton, 1999: 1673; combination in *Strumigenys* reinstated by Baroni-Urbani & De Andrade, 2007: 120.
- Strumigenys gytha* Bolton, 2000: 553. Holotype: 1W [Brazil], SP[São Paulo], S[erra da] Cantareira, 5.iv.1973, [W.W.] Kempf [leg.], Coll. Kempf #8873.
- Strumigenys infidelis* Santschi, 1919: 48. Cotype[Syntype]: 1W [Argentina], La Plata, [C.] Bruch [leg., Coll. Borgm.] #3883. Species revived from the synonymy of *S. louisianae* Roger, 1863: 211 by Bolton, 2000: 523.
- Strumigenys longispinosa* Brown, 1958b: 123. Paratype: 1W [Panama], Barro Colorado [Island], C[anal] Z[one], 10.vii.[19]39, N.A. Weber [leg.], #1139, MCZ[Museum of Comparative Zoology] n° 29886. Disarticulated head glued on a paper triangle.
- Strumigenys perparva* Brown, 1958c: 133. Nidotypes[Paratypes]: 2W [Brazil], SP[São Paulo], Agudos, 6.iii.1955, C. Gilbert [leg., Coll. Kempf] #1376.
- Strumigenys planeti* Brown, 1953c: 57. Paratype: 1W Bolivia, Tumupasa, Mulf[ord] Expl[oration], iii.1922, W.M. Mann [leg.].
- Strumigenys precava* Brown, 1954: 196. Paratypes: 1W [Panama], Barro Colorado Is[land], C[anal] Z[one], iv-v.[19]42, [J. Zetek leg.], n° 4953,

- LotNo 42-15209. Missing L1/L3 tibia and tarsus, L5/L6 fifth tarsus. 3W Bolívia, Cachuela Esperanza, [River] Beni, iii, Mulford Bio[logical] Expl[oration] 1921-[19]22, W.M. Mann [leg.]. One worker missing L1, L2 second to fifth tarsus, L3 tarsus, L4 third to fifth tarsus.
- Strumigenys princeps* Kempf & Brown, 1969: 21. Holotype: 1W, Paratypes: 5W 1G Brazil, Amazonas, Ponta Negra, N[orth] Manaus, M-135[number from Brown's notebook], 1.ix.1962, W.L. Brown [& K. Lenko cols.]. One worker missing head (paratype). Paratypes: 7W 1G Brazil, Amazonas, [Ponta Negra, North] Manaus, 1.ix.1962, [W.L. Brown &] K. Lenko cols., [Coll. Kempf] #3073.
- Strumigenys producta* Brown, 1953b: 3. Paratype: 1W Bolívia, Beni, Rurrenabaque, x.[19]21, [Mulford Biological Exploration 1921-1922], W.M. Mann [leg.] Junior synonym of *S. louisianae* Roger, 1863: 211 by Bolton, 2000: 524.
- Strumigenys quadrua* Bolton, 2000: 557. Holotype: 1W Brazil, BA[Bahia], Ilhéus, CEPEC[Centro de Pesquisas do Cacau]-área Zoolog[setor de Zoologia], km 22 Ilhéus-Itab[una Road], x.[19]86, J. Delabie leg.
- Strumigenys sanctipauli* Kempf, 1958b: 556. Holotype: 1W [Brazil], SP[São Paulo], V. Estr. Santos[Old road São Paulo/Santos], Meio da Serra, 22.xii.1957, [W.W.] Kempf [leg.], Coll. Kempf #2088. Missing A1, disarticulated head glued on a paper triangle.
- Strumigenys smilax* Bolton, 2000: 562. Holotype: 1W Brazil, GO[Goiás], Niquelândia, Peneira Rio do Peixe, 14°17'06"S 48°55'01"W, 18-30.v.1996, [R.] Silvestre, [R.R.] Silva & [C.R.F.] Brandão col.
- Strumigenys sublonga* Brown, 1958a: 221. Paratypes: 3W Bolívia, Lower Rio Madidi, Mulford Biol[ogical] Expl[oration] 1921-1922, iii.1922, W.M. Mann [leg.]. One worker missing head, L1 tarsus; one worker with disarticulated L3 tibia and tarsus glued to the paper triangle.
- Strumigenys thomae* Kempf, 1976: 39. Holotype: 1W [Brazil], PA[Pará], Belém, 7.xi.1974, D. Dias [leg., Coll. Kempf] #13455. Paratypes: 17W [Brazil], PA[Pará], Belém, 7.xi.1974, D. Dias [leg., Coll. Kempf] #13455. One worker missing L2/L6 trochanter, femur, tibia and tarsus, L3/L4 femur, tibia and tarsus, L5 tibia and tarsus, postpetiole and gaster; one worker missing L3/L6, petiole, postpetiole and gaster; one worker missing L4 third to fifth tarsus, L5 second to fifth tarsus, L6 femur, tibia and tarsus, postpetiole and gaster; one worker missing L6; one worker missing A1; one worker missing petiole, postpetiole and gaster; one worker missing L2 femur, tibia and tarsus; one worker missing A1 funiculus, A2 last segment of the funiculus; one worker missing L1/L2 tibia and tarsus; one worker only with L1, L2 coxa and mesosoma; one worker missing head; one worker missing L6 femur, tibia and tarsus, postpetiole and gaster; one worker missing A1, part of postpetiole and gaster; one worker missing mandibles, A1/A2, L2/L3; one worker missing mandibles, clypeus, gena, A1/A2, postpetiole and gaster; one worker missing part of mandibles, A2, L4 tarsus, L5 tibia and tarsus.
- Strumigenys trudifera* Kempf & Brown, 1969: 18. Holotype: 1W Brazil, Pará, nr[near] Belém, Utinga tract[State Park], BF-8, 6.viii.1962, P.F. Darlington [leg.].

Tribe Solenopsidini

Solenopsis genus group

Genus *Allomerus* Mayr, 1878: 873

- Allomerus brevipilosus* Fernández, 2007a: 164. Holotype: 1W, Paratypes: 3W [Brazil], Amazonas, Rio Naué[Maués-Açu, no date, A.] Ducke [leg., in] *Gleasonia nauensis*. One paratype missing A2, L3 coxa, trochanter, femur, tibia and tarsus; one paratype missing A1 second to last segment of the funiculus, disarticulated L1 second to fifth tarsus glued on a paper triangle.
- Allomerus decemarticulatus* Mayr, 1878: 874. Syntype: 1W Brazil, AM[Amazonas], Camaná, R[io] Javari, J. Trail col. Missing A2, L1 femur, tibia and tarsus, L2/L5/L6 trochanter, femur, tibia and tarsus. Syntype designed by W.M. Wheeler, 1911: 158.
- Allomerus dentatus* Fernández, 2007a: 166. Holotype: 1W Venezuela, T[erritorio] F[ederal de] AM[Amazonas], Sabana El Venado, Caño Pimichín, Río Guainía, 23.xi.1953, en *Tococa birta* Berg. ex-Triana, [B]. Maguire *et al.* [leg.], #36344, NYBG[New York Botanical Garden], WWB, #568H.
- Allomerus maietae* Fernández, 2007a: 167. Holotype: 1W Brasil, AM[Amazonas, Santa Isabel do] Rio Negro, betw[between] Missão Salesiana e Serra do Pirapucú [Pico da Neblina], 800-1000 m, 23.i.[19]66, in *Maieta neblinensis* Wurdack,

N.J. Silva & U. Brazão, #60854, NYBG [New York Botanical Garden], WWB, #425H. Missing A2, L6 tarsus.

Allomerus vogeli Kempf, 1975a: 348. Holotype: 1W, Paratypes: 35W 2M [Brazil], AM [Amazonas], Mercês, 26.xii.1964, S. Vogel [leg.], #363, in *Myrmidone macrosperma* Martius. One worker missing L3 part of the femur, tibia and tarsus (paratype); two workers missing head (paratypes); one worker missing A1 (paratype); one male missing head, W1/W2, L1/L3.

Allomerus undecemarticulatus Fernández, 2007a: 172. Holotype: 1W Venezuela, T[erritorio] F[ederal de] AM [Amazonas], Cerro de La Neblina, Río Yatua, 1800-1900 m, 17.xi.1957, en *Tococa pachystachya* Wurdack, [B.] Maguire *et al.* [leg.], #42126, NYBG [New York Botanical Garden], WWB, #561H. Missing A1, A2 funiculus.

Genus *Carebarella* Emery, 1906: 137

Carebarella alvarengai Kempf, 1975a: 352. Holotype: 1G [Brazil], MT [Mato Grosso], Vila Vera, [55°30'W 12°46'S], x.1973, M. Alvarenga [leg., Coll. Kempf] #10135. Disarticulated head, M1, A2 funiculus, W1/W2 and L6 glued on a paper triangle, and W3/W4 trapped in a pin. Comment: Body parts in two pins.

Carebarella condei Borgmeier, 1937: 236. Type [Syntype]: 1M [Brazil], Espírito Santo, S[anta] Teresa, [26.vi.1928, O. Conde leg.], Coll. Borgm. #4292, [com rede]. Missing W3, A1/A2 last segment of the funiculus, disarticulated head glued on a paper triangle. Type [Syntype]: 1G [Brazil, Espírito Santo, Santa Teresa, 26.vi.1928, O. Conde leg.], Coll. Borgm. #4292, [entomological net].

Genus *Epelysidris* Bolton, 1987: 279

Combination in *Monomorium* by Fernández, 2007b: 130.

Genus *Megalomyrmex* Forel, 1885: 56

Leonius group

Megalomyrmex acauna Brandão, 1990: 429. Holotype: 1W [Brazil], M[at]o Grosso, Gustavo Dutra, [14°43'S 55°39'W], 25.x.[19]53, C.R. G[onçalves leg.]. Missing L6 tibia and tarsus.

Paratypes: 6W [Brazil], MT [Mato Grosso], Gustavo Dutra, [14°43'S 55°39'W], 25.x.1953, C.R. Gonçalves [leg.]. One worker missing L3 second to fifth tarsus, L4 tibia and tarsus; one worker missing L2/L5/L6 tarsus; one worker missing A2 funiculus, L2 tarsus, L3 trochanter, femur, tibia and tarsus; one worker missing A2 funiculus, disarticulated L1 glued on a paper triangle; one worker missing L2, disarticulated head and frist segment of the thorax glued on a paper triangle. 1W [Brazil], Mato Grosso, Chapada, [15°26'S 55°45'W], vii.1960, C. Amann col. Missing A2 funiculus.

Megalomyrmex bidentatus Fernández & Baena, 1997: 112. Paratype: 1W Colombia, Nariño, Barbaças, Tajadas, 01°17'N 78°15'W, 1000 m, ago[sto.19]94, F. Escobar [leg.], #446. Missing L2/L6 last tarsus, L5 trochanter, femur, tibia and tarsus.

Megalomyrmex cyendyra Brandão, 1990: 433. Paratypes: 1W Colombia, Valle [del Cauca], Diguá [Dagua, Parque Nacional Natural Farolones de Cali, El] Queremal, Rio San Juan, [03°31'N 76°43'W], 1300 m, 28.vii.[19]73, W.L. Brown [leg.]. Missing A1. 2W Colombia, Valle del Cauca, Park [Nacional Natural] Farolones de Cali, El Topazio, [Rio] Pance, [03°20'N 76°43'W], 31.xii.1981, J.E. Lattke col.

Megalomyrmex glaesarius Kempf, 1970: 355. Holotype: 1W Peru, [Cajamarca], Llama, [06°31'S 79°08'W], 2350 m, [no date, W.] Weyrauch [leg.], #1069. Missing L6 femur, tibia and tarsus. Paratypes: 26W Peru, [Cajamarca], Llama, [06°31'S 79°08'W], 2350 m, [no date, W.] Weyrauch [leg.], #1069. One worker missing L5 coxa, trochanter, femur, tibia and tarsus; two workers with disarticulated postpetiole and gaster glued on a paper triangle; one worker missing A1, L1 tibia and tarsus; one worker missing L6 femur, tibia and tarsus; one worker missing A2, L5 femur, tibia and tarsus.

Megalomyrmex leoninus Forel, 1885: 57. Type [Paralectotype]: 1W Colombia, Coll. Forel. Missing A1/A2, disarticulated L2 glued on a paper triangle, and L3 glued in the gaster.

Megalomyrmex pacova Brandão, 1990: 437. Paratype: 1W Ecuador, 26.iv.1957, in bananas [specimen came from banana shipments arrived at U.S. Quarentine ports – Charleston, South Carolina; Brownsville, Texas; and New York], F. Perlmutter [leg.].

Megalomyrmex timbira Brandão, 1990: 439. Holotype: 1W, Paratype: 1W Venezuela, Táchira,

Palmira, La Flautera, 1200 m, 8.viii.1983, J. Lattke col. Paratype with disarticulated L4, postpetiole and gaster glued on a paper triangle.

Modestus group

Megalomyrmex ayri Brandão, 1990: 420. Holotype: 1W Brasil, MT[Mato Grosso], Utiariti, Rio Papagaio, 325 m, vii.1961, K. Lenko col., #1731. Paratypes: 3W 1G Brasil, MT[Mato Grosso], Utiariti, Rio Papagaio, 325 m, vii.1961, K. Lenko col., #1731. One worker missing A1, L2/L3 trochanter, femur, tibia and tarsus, disarticulated head, mandibles and mouth apparatus glued on a paper triangle; one worker with disarticulated head, mandibles, mouth apparatus and A1/A2 glued on a paper triangle; one worker with disarticulated head, mandibles and mouth apparatus glued on a paper triangle; dealate gyne. 3W [Brazil], MT[Mato Grosso], Sinop, 55°37'W 12°31'S, x.1974, [M.] Alv[arenga] & [O.] Roppa [leg.], #12516. One worker missing L2 tibia and tarsus; one worker missing L6 second to fifth tarsus. 3W 1G Brasil, Mato Grosso, Diamantino, Faz[enda] Junqueira Vilela, [14°25'S 56°26'W], 3 km E[ast] casa, for., 17-18.vii.1973, W.L. Brown [leg.]. One worker missing L5 tibia and tarsus; one worker missing L1 femur, tibia and tarsus; dealate gyne. 4W 2G Brasil, Rondônia, Vilhena, Est[rada] V[elha] Colorado, [Chácara Pedro], mata [perto de igarapé], litter, ninho, 31.vii.1988, Ana Yoshi Harada [leg.]. Dealate gynes; mandibles from other specimen glued on a paper triangle.

Megalomyrmex caete Brandão, 1990: 422. Paratypes: 1W 1G Ecuador, Prov[íncia] Guayas, 3 km SW[Southwest] Bucay, mt-base for., 24.vii.1973, W.L. Brown [leg.]. One worker missing M2, disarticulated mouth apparatus glued on a paper triangle; dealate gyne missing A2 funiculus.

Megalomyrmex cupecuara Brandão, 1990: 423. Paratype: 1M Colombia, [Departament] Valle [del Cauca], 4 km E[ast] Sabaletos, Trop[ical] rain forest, 18.x.1975, R.C. Wilkerson col., malaise trap, Venezuela-Inst[ituto de] Zool[ogia] Agrícola, Fac[uldade de] Agronomia, U[niversidad] C[entral de] V[enezuela, Campus] Maracay. Missing part of A2. Paratypes: 1W 1M Colombia, [Departament] Valle [del Cauca], Munic[ípio] Buenaventura, Anchicayá, rainfor[est], 200 m, 17-19.vi.1971, W.L. Brown [leg.]. Male missing part of A1/A2. 1M Ecuador,

[Provincia Pichincha], 16 km SE[Southeast] S[anto] Domingo de los Colorados, Tinalandia, vi.1975, S. [Peck] & J. Peck. [leg.].

Megalomyrmex goeldii Forel, 1912: 14. Paralectotype: 1W Brasil, RJ[Rio de Janeiro], Colônia Alpina[Teresópolis, no date, E.A.] Goeldi col.

Megalomyrmex iheringi Forel, 1911: 304. Cotype[Lectotype]: 1W [Brazil, São Paulo], A[lto] da Serra[Paranapiacaba, Santo André, 23°47'S 46°19'W, 22.viii.1910, H.F.A.] v. Jheringi [leg., Coll. Borgm.] #2093. Cotypes[Paralectotypes]: 3W [Brazil, São Paulo], A[lto] da Serra[Paranapiacaba, Santo André, 23°47'S 46°19'W, 22.viii.1910], H.[F.A.] v. Jheringi [leg., Coll. Borgm.] #2093. 7W [Brazil], SP[São Paulo], Alto da Serra[Paranapiacaba, Santo André, 23°47'S 46°19'W, 22.viii.1910], H.[F.A.] v. Jheringi [leg., MZSP] #15527. 4W [Brazil, São Paulo, Santo André, Paranapiacaba], Parque Cajuru[Reserva Biológica do Alto da Serra de Paranapiacaba, 27.ix.1909, H.] Lüderwaldt [leg., MZSP] #14096. Cotypes[Not types]: 1G [Brazil, São Paulo], A[lto] da Serra[Paranapiacaba, Santo André, 22.viii.1910, H.F.A.] v. Jheringi [leg., Coll. Borgm.] #2093. Dealate gyne. 1G [Brazil], SP[São Paulo], Alto da Serra[Paranapiacaba, Santo André], 22.viii.1910, [H.F.A.] v. Jheringi [leg.], #2095. Dealate gyne. Comment: These two gynes labelled as cotype were not described by Forel, who studied only workers, thus we do not consider them as types.

Megalomyrmex weyrauchi Kempf, 1970: 357. Holotype: 1W Peru, [Cajamarca], Llama, [06°31'S 79°08'W], 2350 m, [no date, W.] Weyrauch [leg., Weyrauch accession number] #1070. Paratypes: 20W Peru, [Cajamarca], Llama, [06°31'S 79°08'W], 2350 m, [no date, W.] Weyrauch [leg., Weyrauch accession number] #1070. Two workers missing A1; one worker missing head; one worker missing A2, L6 tarsus, disarticulated mandibles and mouth apparatus glued on a paper triangle.

Pusillus group

Megalomyrmex drifti Kempf, 1961: 504. Holotype: 1W, Paratypes: 4W Surinam, Dirkshoop, [40 km west of Paramaribo – capital of Surinam], DIHCd[soil sample taken in primary forest], x.1959, I[J.] v[an] d[er] Drift col. One worker missing petiole, postpetiole and gaster (paratype).

- Megalomyrmex gnomus* Kempf, 1970: 359 Holotype: 1W [Brazil], MT[MS/Mato Grosso do Sul], Corumbá, 18.x.[19]53, C.R. G[onçalves leg.]. Paratypes: 2W [Brazil], MT[MS/Mato Grosso do Sul], Cuyabá[Corumbá], 18.x.[19]53, C.R. G[onçalves leg.]. One worker missing A1, disarticulated petiole, postpetiole and gaster glued on a paper triangle. Comment: In the original description all types were designed from the same locality, Corumbá, and Dr. Gonçalves confirmed this information (Brandão, 1990).
- Megalomyrmex incisus* M.R. Smith, 1947: 102. Paratypes: 3W [Panama], Barro Colorado Is[land], C[anal] Z[one], vi-x.1943, [J.] Zetek [leg.], nº 5105, Lot. 43-16534, USNM[National Museum of Natural History] 58040. One worker missing A2; one worker with disarticulated head and missing A1; one worker missing L1/L2 last tarsus, disarticulated mandibles, mouth apparatus and A1 glued on a paper triangle.
- Megalomyrmex miri* Brandão, 1990: 452 Paratype: 1W Costa Rica, Zent, iii.1924, W.M. Mann [leg.], Coll. Mann 1954. Missing A1 and L6 last tarsus.

Silvestrii group

- Megalomyrmex cuatiara* Brandão, 1990: 440. Holotype: 1W Colombia, Amazonas, 7 km NW[Northwest] Leticia, [04°09'S 69°57'W], forest, litter, 20-25.ii.1972[original publication says "iii"], S. [Peck] & J. Peck [leg.], #250, berl[ese funnel]. Missing L2 tibia and tarsus. Paratypes: 1G Colombia, Amazonas, 7 km NW[Northwest] Leticia, [04°09'S 69°57'W], forest, litter, 20-25.ii.1972[original publication says "iii"], S. [Peck] & J. Peck [leg.], #250, berl[ese funnel]. Dealate gyne. 2W 1G Colombia, Putumayo, Villa Garzón, [01°02'N 76°37'W], 14.viii.[19]77, B. Jackson [leg.]. One worker missing L2 last tarsus. 1W Colombia, Meta, Villavicencio, [04°10'N 73°37'W], forest, litter, 1-4.iii.1972, S. [Peck] & J. Peck [leg.], #233, berl[ese funnel]. Missing postpetiole and gaster, disarticulated mandibles and A1 glued on a paper. 1G Colombia, Meta, Quebrada Susamuko, 23 km NW[Northwest] Villavicencio, for[est], litter, 1000 m, 5.iii. 1972, S. [Peck] & J. Peck [leg.], #B-234.
- Megalomyrmex mondabora* Brandão, 1990: 442. Paratypes: 1W Costa Rica, 3-5 km E[ast] Turrialba, R[io] Reventazón, [09°45'N 83°41'W],

18-22.i.1973, W.L. Brown [leg.]. Missing L4 last tarsus, disarticulated A1, mandibles and mouth apparatus glued on a paper. 1W [Brazil], RO[Rondônia], Vilhena, [12°43'S 60°07'W], xi.1973, M. Alvarenga [leg.], #10221. Missing A1, L1/L2/L3 femur, tibia and tarsus, L4 last tarsus.

- Megalomyrmex mondaboroides* Longino, 2010: 49. Paratype: 1W Panama, [Provincia] Panama, El Lano, 9.279555°N 78.9615°W, forest, in underground nest of *Apterostigma goniodes* Latkce, 1997, 30.iii.2011, H. Fernandez-Marin [leg.], #HF010330-50. Comment: One worker of host species, *A. goniodes*, in the same pin.
- Megalomyrmex nocarina* Longino, 2010: 51. Paratype: 1W Costa Rica, [Heredia, Cantarrana], 11 km ESE[East-Southeast] La Virgen, 10.34528°N 84.05778°W, wet forest, leaf litter, 300-500 m, 26.ii.2007, [no leg., Proyecto] TEAM AMI-4-W-123-09.
- Megalomyrmex piriana* Brandão, 1990: 443. Paratype: 1W Ecuador, Prov[incia] Pichincha, Tinalandia, 16 km SE[Southwest] S[anto] Domingos de los Colorados, [00°18'S 79°04'W], 4.vi.1976, S. [Peck] & J. Peck [leg.]. Missing L1, L2 tibia and tarsus.
- Megalomyrmex sjöstedti* Wheeler, 1925: 30. Types[Syntypes]: 3W Peru, Llinquipata, [13°49'S 70°38'W], N. Holmgren [leg.]. Junior synonym of *Megalomyrmex silvestrii* Wheeler, 1909: 235 by Kempf & Brown, 1968: 97.
- Megalomyrmex symmetochus* Wheeler, 1925: 168. Lectotypus[Paralectotypes]: 1W 1G [Panama], Barro Colorado I[land], C[anal] Z[one], 09°10'S 79°51'W, 30.vii.1924, W.M. Wheeler [leg.], nº 790. Dealate gyne, two wings glued on a paper. 1W [Panama], Barro Colorado I[land], C[anal] Z[one], 09°10'S 79°51'W, 24.i.1924, W.M. Wheeler [leg.], nº 769. Disarticulated A1, mandibles and mouth apparatus glued on a paper. 1W [Panama], Mt[Mount] Hope, nr[near] Colón, C[anal] Z[one], 24.vii.1924, W.M. Wheeler [leg.], nº 616.
- Megalomyrmex tasyba* Brandão, 1990: 446. Holotype: 1W Ecuador, Prov[incia] Napo, Limoncocha, 00°24'S 76°36'W, 3.viii.1972, C.W. Rettenmeyer [leg.], #4911. Missing A1.
- Megalomyrmex wettereri* Brandão, 2003: 155. Paratypes: 2W 1G Panama, Prov[incia] Panama, km 7 of El Llano Carti Suitupo Road, 09°18'02"N 78°57'31"W, 7.vii.1998, U. Mueller [leg.], #980607-01. Dealate gyne missing A1 funiculus. 8W Costa Rica, [Heredia], La Selva,

[10°26'N 84°01'W], em ninho *Trachymyrmex bugnioni*, 2.iii.1993, J. Wetterer col. One worker missing A1, L2 trochanter, femur, tibia and tarsus; one worker missing A1.

Genus *Monomorium* Mayr, 1855: 452

Megalomyrmex bicolor Ettershank, 1965: 55. Paratype: 1W Chile, [Provincia Coquimbo], nr[near] La Serena, Pachon Peak[Cerro Pachón], 8500ft[feet, only 25 miles from the crest of the Andes], 18.ii.1964, E. Ackerman [leg.], MCZ[Museum of Comparative Zoology]. Combination in *Nothidris* by Snelling, 1975: 3, in *Monomorium* by Heterick, 2006: 79 and by Fernández, 2007b: 131. Junior secondary homonym of *Monomorium bicolor* Emery, 1877: 368. New name proposed for *M. bicolor* (Ettershank, 1965), as *M. chilensis*, by Fernández, 2007b: 132.

Monomorium (Notomyrmex) bidentatum piceonigrum Borgmeier, 1948: 468. Type[Syntype]: 1W Arg[entina, Neuquén], Hua Hum[extremo oeste del Lago Lacar, cerca de La frontera chilena], xii.[19]47, Hayward-Willink & [N.] Kusnezov [leg.], #1775. Combination in *Antichthonidris* by Snelling, 1975: 6, junior synonym of *A. bidentata* by Bolton, 1995: 67, combination revised and junior synonym of *Monomorium bidentatum* Mayr, 1887: 616 by Fernández, 2007b: 131.

Monomorium (Notomyrmex) denticulatum inerme Borgmeier, 1948: 469. Type[Syntype]: 1W Arg[entina, Neuquén], Hua Hum[extremo oeste del Lago Lacar, cerca de La frontera chilena], xii.[19]47, Hayward-Willink & [N.] Kusnezov [leg.], #1775. Combination in *Antichthonidris* by Snelling, 1975: 6, junior synonym of *A. denticulata* by Bolton, 1995: 67, combination revised and junior synonym of *Monomorium denticulatum* Mayr, 1887: 614 by Fernández, 2007b: 131.

Monomorium inusuale Fernández, 2007b: 135. Paratypes: 2W Ecuador, Prov[incia] Napo, Limoncocha, 00°24'S 76°36'W, 280 m, 13.viii.1973, M. Rettenmeyer [leg.], #68.

Monomorium minimum cyaenum Wheeler, 1914: 43. Paratypes: 3W Mexico, Hidalgo, Guerrero Mill, [under stones in rather damp places on the sides of canyons, *emersoni* spring or summer, 1913, W.M.] Mann [leg.], Coll. Mann #1954. One worker missing postpetiole and gaster. Raised

to species by DuBois, 1981: 35 and senior synonym of *M. emersoni* Gregg, 1945: 66 by DuBois, 1986: 82.

Genus *Nothidris* Ettershank, 1966: 105

Combination in *Monomorium* by Fernández, 2007b: 130.

Genus *Oxyepoecus* Santschi, 1926: 6

Rastratus group

Martia daguerrei Santschi, 1933: 111. Type[Lectotype]: 1W [Argentina], Provincia Buenos Aires, Rosas F.C. Sud, [35°57'S, 58°56'W, no date], Juan B. Daguerre [leg.], #1904-666. Missing A2. Combination in *Oxyepoecus* by Ettershank, 1966: 146 and designation of lectotype by Kempf, 1974a: 486.

Monomorium rastratum var. *luederwaldti* Forel, 1913: 219. Syntypes: 12W 1G [Brazil], SP[São Paulo], Salto Grande[Parapanema River (Lüderwaldt, 1918)], ii.1911, H. Lüderwaldt [leg.], MP[MZSP] #15997. One worker missing A2 funiculus; one worker missing L3 trochanter, femur, tibia and tarsus; dealate gyne. Combination in *Oxyepoecus* by Ettershank, 1966: 146; junior synonym of *O. rastratus* (Mayr, 1887: 615) by Kempf, 1974a: 498. Comment: The MZSP has a specimen labeled with the number #15997, but without information on its type status. As the original description does not mention the precise number of types, we do not consider this last specimen a type.

Oxyepoecus myops Albuquerque & Brandão, 2009: 295. Holotype: 1W Brazil, SP[São Paulo], Salesópolis, EBB[Estação Biológica de Boracéia, 23°39'S, 45°53'W, leaf litter], 5-7.ix.1997[original description says "vii"], C.I. Yamamoto col., winker. Paratypes: 5W 1G Brazil, SP[São Paulo], Salesópolis, EB[Estação Biológica de] Boracéia, 23°31'56"S 45°50'47"[W], 3-5.v.1996, [C.R.F.] Brandão, [D.] Agosti, [J.L.M.] Diniz, [R.] Silvestri, & [C.I.] Yamamoto [leg.], winker. One worker with disarticulated head glued on a paper triangle and missing A2; dealate gyne. 16W Brazil, SP[São Paulo], Salesópolis, EB[Estação Biológica de] Boracéia, 2-6.v.1997, [D.] Agosti, [C.R.F.] Brandão & [C.I.] Yamamoto col., winker. One worker missing L1 trochanter, femur, tibia and tarsus; one worker missing A2, A1

last segment of the funiculus; one worker missing postpetiole and gaster; one worker missing L3 tibia and tarsus; one worker missing head; one worker missing L1 trochanter, femur, tibia and tarsus, L2/L3 tibia and tarsus; one worker just with L5/L6, petiole, postpetiole and gaster; one worker missing A1 funiculus, L1 trochanter, femur, tibia and tarsus. 2W Brazil, SP[São Paulo], Salesópolis, EBB[Estação Biológica de Boracéia, 23°39'S, 45°53'W, leaf litter], 5-7. ix.1997[original description says "vii"], C.I. Yamamoto col., winkler. One worker missing L5 tarsus. 11W 2G Brazil, SP[São Paulo], Salesópolis, EBB[Estação Biológica de Boracéia], 12-17. vi.1997, B.H. Dietz & C.I. Yamamoto col., winkler. One worker missing A1; two workers missing A1 funiculus; one worker just with L5/L6; dealate gyenes.

Oxyepoecus plaumanni Kempf, 1974a: 492. Holotype: 1W [Brazil], RS[Rio Grande do Sul], Erechim, vii.1960, F. Plaumann [leg., Coll. Kempf] #8097. Paratypes: 12W [Brazil], RS[Rio Grande do Sul], Erechim, vii.1960, F. Plaumann [leg., Coll. Kempf] #8097. One worker lost; one worker just with A2/L4. 2W [Brazil], RS[Rio Grande do Sul], Erechim, vii.1960, F. Plaumann [leg., Coll. Kempf] #9930. One worker lost; one worker missing A2/L1/L2/L3, L6 tarsus, disarticulated head glued on a paper triangle and coated with gold for SEM examination. 1W [Brazil], RS[Rio Grande do Sul], Tainhas, iv.1959, F. Plaumann [leg., Coll. Kempf] #3247. Worker lost. 1W [Brazil], RS[Rio Grande do Sul], B[arão de] Cotejipe, vii.1960, F. Plaumann [leg., Coll. Kempf] #3765. 1W [Brazil], RS[Rio Grande do Sul], Boqueirão, 600 m, ix.1960, F. Plaumann [leg., Coll. Kempf] #3611. Missing L3 trochanter, femur, tibia and tarsus. 1W [Brazil], PR[Paraná], Porto Vitória, 26°10'[S] 51°12'[W], 700 m, x.1959, F. Plaumann [leg., Coll. Kempf] #3209. 1W [Brazil], PR[Paraná], Rio Azul, 1000 m, x.1959, F. Plaumann [leg., Coll. Kempf] #3189. 2W [Brazil], SC[Santa Catarina], Chapecó, vi.1960, F. Plaumann [leg.]. 1W [Brazil], SC[Santa Catarina], Chapecó, viii.1960, F. Plaumann [leg., Coll. Kempf] #8331. 2W [Brazil], SC[Santa Catarina], Chapecó, viii.1960, F. Plaumann [leg., Coll. Kempf] #9883. One worker lost. 1W [Brazil], SC[Santa Catarina], Chapecó, vii.1960, F. Plaumann [leg., Coll. Kempf] #9911. 2W [Brazil], SC[Santa Catarina], Ibi-caré, ix.1960, F. Plaumann [leg., Coll. Kempf]

#8781. 1G [Brazil], SC[Santa Catarina], Passo Bormann, xii.1957, [F.] Plaumann [leg.]. Dealate gyne. 2W [Brazil], SC[Santa Catarina], Nova Teutônia, vi.1960, F. Plaumann [leg., Coll. Kempf] #8091. One worker lost. 1G [Brazil], SC[Santa Catarina], Nova Teutônia, xii.1972, F. Plaumann [leg., Coll. Kempf] #8557. Missing gaster. 1G [Brazil], SC[Santa Catarina], Nova Teutônia, xii.1972, F. Plaumann [leg., Coll. Kempf] #8383. Dealate gyne. Comment: In the original description, Kempf (1974a) did not consider as paratypes three workers from [Brazil], SC[Santa Catarina], Linha Facão, v.1957, F. Plaumann [leg.], however these specimens, all in the same pin, are deposited in the MZSP and labeled as paratypes, but we do not consider them as types. We were not able to locate coordinates for Linha Facão, SC.

Oxyepoecus regularis Ulysséa & Brandão, 2012: 169. Holotype: 1W Brasil, Bahia, Milagres, Caatinga arbórea, serapilheira, winkler, área 1, S12°54.542' W39°51.279', 23.x.2010, M.A. Ulysséa, A.M. Medina & E.M. Campos leg. Paratypes: 19W Brasil, Bahia, Milagres, Caatinga arbórea, serapilheira, winkler, área 3, S12°54.411' W39°50.863', 17.i.2011, M.A. Ulysséa, A.M. Medina & E.M. Campos leg. One worker missing L6 tibia and tarsus; one worker missing L6 trochanter, femur, tibia and tarsus. 7W Brasil, Bahia, Milagres, Caatinga arbórea, serapilheira, winkler, área 3, S12°54.411' W39°50.863', 9.xi.2010, M.A. Ulysséa, A.M. Medina & E.M. Campos leg. One worker missing L4 trochanter, femur, tibia and tarsus; one worker missing L1 tibia and tarsus; one worker missing A2, L1 tibia and tarsus. 12W Brasil, Bahia, Milagres, Caatinga arbórea, serapilheira, winkler, área 1, 12°54.542'S 39°51.279'W, 10.i.2011, M.A. Ulysséa, A.M. Medina & E.M. Campos leg. One worker missing A1, L1 tibia and tarsus; one worker missing L1 trochanter, femur, tibia and tarsus; one worker missing A1, L4 trochanter, femur, tibia and tarsus; one worker with disarticulated head glued on a paper triangle. 5W 1G Brasil, Bahia, Milagres, Caatinga arbórea, serapilheira, winkler, área 2, S12°54.294' W39°52.083', 10.i.2011, M.A. Ulysséa, A.M. Medina & E.M. Campos leg. One worker missing A1. 1W Brasil, Bahia, Boa Vista do Tupim, Mata Seca, S12°39'36" W40°36'32", 25.i.2011, L.S.S.R. Macêdo, J.J. Resende, C.B.S. Galheigo & E. da C. Menezes leg.

Oxyepoecus reticulatus Kempf, 1974a: 502. Holotype: 1W [Brazil], SC[Santa Catarina], N[ova] Teutônia, viii.1952, F. Plaumann [leg., Coll. Kempf] #5954. Missing head, L1/L3. Paratypes: 11W [Brazil], SC[Santa Catarina], N[ova] Teutônia, viii.1952, F. Plaumann [leg., Coll. Kempf] #5954. One worker coated with gold for SEM examination missing A2, L1/L3; one worker missing petiole, postpetiole and gaster. 1W [Brazil], PR[Paraná], Buaragi[Guaragi], v.1964, F. Plaumann [leg., Coll. Kempf] #4008. 1W [Brazil], PR[Paraná], Guaragi, 25°16'[S] 50°14'[W], 1000 m, v.1964, F. Plaumann [leg., Coll. Kempf] #4580. 1G [Brazil], PR[Paraná], Mariópolis, [no date], F. Plaumann [leg.]. Dealate gyne with disarticulated postpetiole and gaster glued on a paper triangle. 1W [Brazil], PR[Paraná], Rio Azul, 1000 m, x.1959, F. Plaumann [leg., Coll. Kempf] #3188. 2W [Brazil], PR[Paraná], Rolândia, 6.iv.1955, [W.] W. Kempf [leg., Coll. Kempf] #1414. 6W [Brazil], S[anta] Cat[arina], Chapecó, v.1957, F. Plaumann [leg.]. 4W [Brazil], SC[Santa Catarina], Chapecó, vi.1960, F. Plaumann [leg.]. One worker coated with gold for SEM examination missing postpetiole and gaster. 3W [Brazil], SC[Santa Catarina], Chapecó, vii.1960, F. Plaumann [leg., Coll. Kempf] #9910. 1W [Brazil], SC[Santa Catarina], Concórdia, vii.1958, [F.] Plaumann [leg.]. Missing head. 6W [Brazil], SC[Santa Catarina], Linha Fação, v.1957, F. Plaumann [leg.]. 6W Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11'N 52°23'W, viii.1952, Fritz Plaumann [leg.]. 1W [Brazil], SC[Santa Catarina], Passo Bormann, xii.1957, F. Plaumann [leg.]. One worker missing A1. 8W [Brazil], S[ão] P[aulo], Agudos, 25.iii.1955, [W.]W. Kempf [leg., Coll. Kempf] #1405. 2W [Brazil], S[ão] P[aulo], Agudos, 4.i.1956, [W.] W. Kempf [leg., Coll. Kempf] #1552. One worker lost. 2W [Brazil], S[ão] P[aulo], Agudos, 8.i.1956, [W.]W. Kempf [leg., Coll. Kempf] #1560. 1W [Brazil], SP[São Paulo], Agudos, xi.1959, C. Gilbert [leg., Coll. Kempf] #3218. Worker lost. 1W [Brazil], SP[São Paulo], Campos de Jordão, 16.x.1956, [W.]W. Kempf [leg., Coll. Kempf] #1601. 6W [Brazil, São Paulo], V. Estr. Santos[Old road São Paulo/Santos], Meio da Serra, 8.viii.1960, [W.W.] Kempf [leg.]. Comment: Original description reports that all specimens were sampled with berlese funnels.

Oxyepoecus rosai Albuquerque & Brandão, 2009: 304. Holotype: 1W Brasil, SP[São Paulo],

Salesópolis, EBB[Estação Biológica de Boracéia], 20-26.x.1997, C. Klingenberg & C.I. Yamamoto col., sardinha[attracted to sardine baits]. Paratypes: 16W 1G Brasil, SP[São Paulo], Salesópolis, EB[Estação Biológica de] Boracéia, 2-6.v.1997, D. Agosti, C.R.F. Brandão & C.I. Yamamoto col., winkler. One worker missing L1 trochanter, femur, tibia and tarsus; one worker missing A1; two workers missing L2 trochanter, femur, tibia and tarsus; two workers missing head; dealate gyne. 2W Brazil, SP[São Paulo], Salesópolis, EBB[Estação Biológica de Boracéia], 5-7.vii.1997, C.I. Yamamoto col., winkler. One worker missing head. 2W 1G Brasil, SP[São Paulo], Salesópolis, EBB[Estação Biológica de Boracéia], 5-7.ix.1997, C.I. Yamamoto col., winkler. Dealate gyne with disarticulated A1 glued on paper triangle and missing A1 last segment of the funiculus. 15W Brasil, SP[São Paulo], Salesópolis, EBB[Estação Biológica de Boracéia], 12-17.vi.1997, B.H. Dietz & C.I. Yamamoto col., winkler. One worker missing A1, L3 trochanter, femur, tibia and tarsus; one worker missing A1/A2 funiculus; one worker missing L1 trochanter, femur, tibia and tarsus; one worker missing A1 funiculus; one worker missing L2 trochanter, femur, tibia and tarsus; one worker missing L3 tarsus; one worker coated with gold for SEM examination missing L2 femur, tibia and tarsus.

Vezenyii group

Martia inquilina Kusnezov, 1952a: 720. Paratypes: 3W Argentina, Tucumán, Jardín de la Fundación Miguel Lillo, en nido de *Pheidole radoszkowskii* Mayr, 1884: 35, 6.i.1948, N. Kusnezov [leg.], #111. 2W Argentina, Tucumán, Quebrada Cainzo, [near Tafí Viejo], en nido de *Pheidole silvestrii* Emery, 1906: 146, 8.iv.1948, N. Kusnezov [leg.], #1590. Diagnosis in key (Kusnezov, 1952a), combination in *Oxyepoecus* by Ettershank, 1966: 146 and senior synonymy of *O. turgidus* Kempf, 1969: 278 by Kempf, 1974a: 495.

Monomorium punctifrons Borgmeier, 1928: 39. Lectotype: 1W [Brazil], PR[Paraná], Rio Negro, iv.1925, [P.]M. Witte [leg.], Coll. Borgm. #424. Paratypes[Paralectotypes]: 15W [Brazil], PR[Paraná], Rio Negro, iv.1925, [P.]M. Witte [leg.], Coll. Borgm. #424. One worker missing A2, L6 tibia and tarsus; one worker with

disarticulated postpetiole and gaster. Combination in *Oxyepoecus* by Ettershank, 1966: 146 and designation of lectotype and paralectotype by Kempf, 1974a: 495.

Oxyepoecus Browni Albuquerque & Brandão, 2004: 60. Holotype: 1W Brasil, MG[Minas Gerais], Atalaia, [18°03'S 41°06'W], 27.i.[19]94, I[van] Cardoso [leg.], #4772. Specimen coated with gold for SEM examination.

Oxyepoecus bruchi Santschi, 1926: 6. Lectotype: 1G, Paratypes[Paralectotypes]: 2G [Argentina], Sierras de Córdoba[Provincia Córdoba], La Granja, Alta Gracia, [31°39'S 64°25'W, no date], C. Bruch leg, #1694. Dealate gynes; one gyne missing head, postpetiole and gaster (paralectotype). Comment: One worker of host species, *Pheidole obtusopilosa* Mayr, 1887: 586, mounted in the same pin as the lectotype. Senior synonym of *O. minuta* (Kusnezov, 1952a: 721) and lectotype designation by Kempf, 1974a: 478.

Oxyepoecus crassinodus Kempf, 1974a: 482. Holotype: 1W [Brazil], PR[Paraná], Bocaiúva [do Sul, 25°12'S 49°07'W], xii.1963, F. Plaumann [leg., Coll. Kempf] #8108. Missing L3 tibia and tarsus. Paratypes: 3W [Brazil], PR[Paraná], Bocaiúva [do Sul, 25°12'S 49°07'W], xii.1963, F. Plaumann [leg., Coll. Kempf] #8108. 1W [Brazil], SC[Santa Catarina], N[ova] Teutônia, [27°02'S 52°24'W], xii. 1958, F. Plaumann [leg., Coll. Kempf] #8308.

Oxyepoecus ephippiatus Albuquerque & Brandão, 2004: 64. Paratypes: 1W 1G Brasil, AM[Amazonas], Manaus, 29.ix.[19]93, A.B. Casimiro [leg.], #2306. Comment: Worker incomplete (just mesosoma, petiole and L4 present) coated with gold for SEM examination.

Oxyepoecus kempfi Albuquerque & Brandão, 2004: 67. Holotype: 1W Brasil, PI[Piauí], 10 km N[orth] Corrente, Faz[enda] Maracujá, [10°26'S 45°09'W], folh[ic]o, 23-27.xi.1991, C.R.F. Brandão [leg.]. Missing L2 part of femur, tibia and tarsus, disarticulated postpetiole and gaster glued on a paper triangle. Paratype: 1W Brasil, PI[Piauí], 10 km N[orth] Corrente, Faz[enda] Maracujá, [10°26'S 45°09'W], folh[ic]o, 23-27.xi.1991, C.R.F. Brandão [leg.]. Missing A1, L1/L2/L3/L4/L5 tibia and tarsus, L6, disarticulated postpetiole and gaster glued on a paper triangle.

Oxyepoecus longicephalus Albuquerque & Brandão, 2004: 69. Holotype: 1W Brasil, RS[Rio Grande do Sul, Itatí], CPCN[Centro de Pesquisa e Conservação da Natureza] Pró-Mata, 29°30'S 50°10'W, Mata Atlântica, 670-690 m, litter,

28.v.1997, J. Ketterl [leg.], winkler. Paratypes: 1W Brasil, RS[Rio Grande do Sul, Itatí], CPCN[Centro de Pesquisa e Conservação da Natureza] Pró-Mata, 29°30'S 50°10'W, Araucaria Forest, 900 m, litter, 15.iv.[19]97, J. Ketterl [leg.], winkler. Missing A1/A2, L2 femur, tibia and tarsus, L3/L6 tibia and tarsus. 1W Brasil, SP[São Paulo], Cunha, P[arque] E[stadual] Serra do Mar, 23°15'03"S 45°00'26"W, 21-22.iv.2001, A.A. Tavares & R.R. Silva cols., winkler.

Oxyepoecus quadratus Albuquerque & Brandão, 2004: 73. Holotype: 1W Ecuador, Cuyabeno, [00°16'S 75°53'W], 12.x-5.xi.[19]94 [original description says "27.i.1994"], J.P. Caldwell [leg.], #10523. Missing A1/A2 funiculus, L5/L6 tarsus, coated with gold for SEM examination. Paratype: 1W Peru, Huánuco, Panguana Biol[ogical] Stat[ation], Rio Yuyapidis, 09°37'S 74°56'W, inundation forest, 220 m, 26.xi-24.xii.1983, M. Verhaagh [leg.], pitfall trap.

Oxyepoecus turgidus Kempf, 1969: 278. Holotype: 1W [Brazil], SP[São Paulo], Agudos, [Fazenda Santo Antônio], 23.ix.1954, [W.]W. Kempf [leg.]. Missing A1. Paratypes: 1W [Brazil], SP[São Paulo], Agudos, [Fazenda Santo Antônio], 25.i.1953, [W.]W. Kempf [leg., Coll. Kempf #740]. 2W [Brazil], GO[Goiás], Anápolis, [savanna near the Franciscan minor seminary], 18.iii.1964, [W.]W. Kempf [leg., Coll. Kempf #3852]. 1W [Brazil], GO[Goiás], Anápolis, [savanna near the Franciscan minor seminary], 2.i.1966, [W.]W. Kempf [leg., Coll. Kempf #4300]. Missing L2 tibia and tarsus. Junior synonym of *O. inquilinus* (Kusnezov, 1952a: 720) by Kempf, 1974a: 489.

Oxyepoecus vivax Kempf, 1974a: 508. Holotype: 1M [Brazil], MG[Minas Gerais], Pedra Azul, [15°59'S 41°07'W], 800 m, xi.1972, C.A.C. Seabra & M. Alvarenga [leg., Coll. Kempf] #8836. Missing A2/A3.

Genus *Phacota* Roger, 1862b: 260

Combination in *Monomorium* by Fernández, 2007b: 130.

Genus *Solenopsis* Westwood, 1840: 86

Labouchena acuminata Borgmeier, 1949: 208. Cotypes[Syntypes]: 3G [Argentina, Provincia] Salta, Colonia Juarez, [xii.1948], Luna [leg., Coll. Kusn.] #3272. One gyne missing

- A2; all gynes just with W4. Junior synonym of *L. daguerrei* Santschi, 1930: 81 by Borgmeier, 1959: 318; combination in *Solenopsis* by Etter-shank, 1966: 140.
- Solenopsis albidula* var. *postbrunnea* Forel, 1913: 220. Cotypes[Syntypes]: 9W [Brazil], Est[ado de] S.P.[São Paulo], Franca, [ii.1911, E. Garbe leg., MZSP], #15952. One worker compressed dorso-ventrally; one worker missing head. 1W [Brazil], SP[São Paulo], Franca, [no date, no collector, Coll. Borgm.] #2701. Comment: The specimen #2701 labeled as cotype is not mentioned in the original description, so we do not consider it a type.
- Solenopsis blumi* Buren, 1972: 20. Paratypes: 24W Uruguay, Colonia Suiza, Ruta 1, km 119, 11.iii.1969, [M.S.] Blum, [C.] Crisci & [J.] Carbonell [leg.]. One worker missing A1 funiculus; one worker missing A1; one worker missing L5 trochanter, femur, tibia and tarsus; one worker missing head. Comment: The MZSP bears a pin with three specimens labeled as both holotype and paratype. As the original description says that holotype was deposited in the National Museum in Washington, D.C., we consider that the MZSP specimens are paratypes. Junior synonym of *S. quinquecupis* Forel, 1913: 224 by Trager, 1991: 185.
- Solenopsis brevicornis* var. *petropolitana* Borgmeier, 1928: 35. Cotypes[Syntypes]: 14W [Brazil], Rio de Janeiro, Petrópolis, ["im hohlen zweig (branch hollow), 22.ix.1924, types in National-museum"], #325.
- Solenopsis bucki* Kempf, 1973: 30. Holotype: 1W [Brazil], RS[Rio Grande do Sul], Erechim, [pe-neirada de humo], vii.1960, F. Plaumann [leg., Coll. Kempf] #8098.
- Solenopsis chlytemnestra* var. *leda* Forel, 1913: 221. Cotypes[Syntypes]: 3W [Brazil], R[io de] Janeiro, Sapopemba, [no date, no collector], #2299. One worker with disarticulated postpetiole and gaster glued on paper triangle. 3W [Brazil, São Paulo], Esta[ç]ão A[lto] d[a] Serra[Linha de São Paulo/Santos, Serra do Mar (Lüderwaldt, 1918)], PP[Paranapiacaba, Santo André, viii.1910, E. Schwebel leg., MZSP] #17306. 8W [Brazil, São Paulo], A[lto] da Serra, [x.1910, E. Schwebel leg., Coll. Borgm.] #2121. Comment: Original labels of the specimens #17306 and #2121 were associated with new labels, which list "viii.1910". According the MZSP catalogue of identifier numbers the specimens #17306 were collected on viii.1910, and for the specimens #2121 the correct date is x.1910, according Thomaz Borgmeier catalogue.
- Solenopsis chlytemnestra* var. *strangulata* Forel, 1913: 221. Cotypes[Syntypes]: 6W [Brazil], MG[Minas Gerais], Christina[Cristina, viii.1912, H. Lüderwaldt leg., MZSP], #17194. 12W [Brazil], MG[Minas Gerais], Cristina, [viii.1912, no collector, Coll. Borgm.] #2132. One worker missing head; one worker missing A1, A2 last segments of the funiculus, L3/L5/L6 trochanter, femur, tibia and tarsus, L4 last tarsus, treated with Barber's fluid.
- Solenopsis corticalis* var. *margotae* Forel, 1908: 364. Cotypes[Syntypes]: 5W 2G [Brazil, São Paulo, São Paulo], Ypiranga[Ipiranga, 8.x.1906], H. Lüderwaldt [leg., MZSP] #5588. 2W [Brazil, São Paulo, São Paulo], Ypiranga[Ipiranga, 8.x.1906], H. Lüderwaldt [leg., Coll. Borgm.] #2109. One worker missing L2 trochanter, femur, tibia and tarsus, treated with Barber's fluid.
- Solenopsis decipiens abjecta* var. *ignobilis* Forel, 1913: 220. Cotypes[Syntypes]: 6W [Brazil], Est[ado de] St[Santa] Cath[Catarina], Harmonia[Ibirama, MZSP, #15461. Unavailable name by Bolton, 1995: 388.
- Solenopsis decipiens scelesta* Forel, 1908: 364. Cotypes[Syntypes]: 3W [Brazil], Est[ado de] S[ão] P[aulo], Baurú, [9.xi.1906], B. Dreher col., [MZSP] #5982. 4W [Brazil, São Paulo, Baurú, 9.xi.1906, B. Dreher leg., Coll. Borgm.] #2127. One worker just with gaster; one worker missing A1, A2 last segment of the funiculus, L2/L3/L4/L5 trochanter, femur, tibia and tarsus, L6; both spesimens were treated with Barber's fluid.
- Solenopsis franki* Forel, 1908: 364. Syntypes: 8W [Brazil], SP[São Paulo], S[ão] Paulo, Ypiranga[Ipiranga], 16.ii.1906, J.[L.] Lima col., MP[MZSP] #2354. One worker missing A1/L1; one worker missing head, treated with Barber's fluid; one worker missing A1/A2, L1 tarsus, disarticulated L2 glued on the paper triangle, treated with Barber's fluid. Cotypes[Syntypes]: 4W [Brazil], SP[São Paulo], S[ão] Paulo, Ypiranga[Ipiranga], 16.ii.1906, J.[L.] Lima col., MP[MZSP] #2354. One worker just the postpetiole and gaster. Comment: Original labels of these specimens were associated with new labels, which say "galho seco, aroeira, cupinzeiro" (dry branch, aroeira, termite nest).
- Solenopsis franki idae* Forel, 1908: 365. Syntypes: 5W 1G, Cotypes[Syntypes]: 4W [Brazil, São Paulo, São Paulo], Ypiranga[Ipiranga, Mata do Governo], 8.x.1906, J.[L.] Lima col., MP[MZSP]

- #5578. Dealate gyne missing A1/A2, L1/L2, L3 tibia and tarsus, gaster with a hole in the first tergite, mesonoto with a hole, treated with Barber's fluid. Comment: Original labels of these specimens were associated with new labels, which say "em taquara" (in bamboo).
- Solenopsis iheringi* Forel, 1908: 362. Cotypes[Syntypes]: 8W [Brazil], SP[São Paulo], Esta[ção] Raiz da Serra, [3.xii.1906], H. Lüderwaldt col., MP[MZSP] #6778. One worker missing A1 funiculus.
- Solenopsis invicta* Buren, 1972: 9. Holotype: 1W Brazil, MT[Mato Grosso], Cuiabá, Aq. Res. Sta., 16.ii.1971, [W.] Willard & [R.] Willians [leg.]. Paratypes: 15W Brazil, MT[Mato Grosso], Cuiabá, Aq. Res. Sta., 16.ii.1971, [W.] Willard & [R.] Willians [leg.]. One worker missing gaster; one worker missing L3 tibia and tarsus; one worker missing A1 funiculus. 6W Brazil, MT[Mato Grosso], Cuiabá, Victorino's house, 17.ii.1971, [W.] Willard & [R.] Willians [leg.]. 6W Brazil, MT[Mato Grosso], Cuiabá, 18.ii.1971, [W.] Willard & [R.] Willians [leg.]. 3W Brazil, MT[Mato Grosso], Coxim, 9.iii.1971, W.W. Kempf [leg.]. 7W 1G 1M [United States of America], Ala[bama], 20 mi[les] W[est] of Mobile, 3.i.1970, W.F. Buren [leg.]. 13W 2G [United States of America], Alabama, Daufin[Dauphin] Isl[and], 3.i.1970, W.F. Buren [leg.]. Junior synonym of *S. wagneri* Santschi, 1916: 380 by Bolton, 1995: 388; reinstated over *S. wagneri* because of broad usage, according to the ICZN (Shattuck *et al.*, 1999).
- Solenopsis joergenseni* Santschi, 1919: 42. Cotypes[Not types]: 3W [Brazil, Minas Gerais], Pirapora, [vi.1912, E. Garbe, Coll. Borgm.] #2282. Comment: The MZSP has six more specimens with the number #2282 but without cotype label. Furthermore, the original description was based on specimens collected in Provincia Formosa, Argentina. So, we do not consider them as types.
- Solenopsis leptanilloides* Santschi, 1925a: 159. Cotype[Syntype]: 1W Argentina, [Provincia Santa Fe], Rosario, [no date, Jose Hubrich leg., Coll. Borgm.] #3825.
- Solenopsis nigella* st. *prevalens* Santschi, 1923: 257. Cotypes[Syntypes]: 2W [Argentina], Buenos Aires, Sierra Ventana, [C.] Bruch [leg.], Coll. Borgm. #3824. Junior synonym of *S. nigella gensterblumi* Forel, 1901: 298 by Creighton, 1930: 132.
- Solenopsis photophila* Santschi, 1923: 250. Cotype[Syntype]: 1W Argentina, Villaguay, [C.] Bruch [leg., Coll. Borgm.] #3829. Missing gaster.
- Solenopsis pulleni* Moreno & Mackay, 2001: 62. Paratype: 1W [United States of America], NM[New Mexico], Do[ña] Ana Co[County], Las Cruces, Jornada Playa, 8.x.1986, B. Pullen [leg.], #10. Comment: Unavailable name by Bolton, 2012.
- Solenopsis reichenspergeri* Santschi, 1923: 256. Cotype[Syntype]: 1W Brasil, Rio [de Janeiro, A.] Reichensperger, [Coll. Borgm.] #3833. Missing L3 trochanter, femur, tibia and tarsus.
- Solenopsis succinea* r. *nicai* Forel, 1913: 222. Cotypes[Not types]: 2W 3G 3M [Brazil], Est[ado de] S[ão] P[aulo], Franca, [ii.1911, E. Garbe leg., MZSP] #15898. One worker just with postpetiole and gaster. [Syntypes]: 6W, [Not types]: 2M [Brazil, São Paulo, Franca, xii.1910, E. Garbe, MZSP] #15892. One worker missing petiole and postpetiole; one worker missing A1; one male missing A1 last segment of the funiculus, L2/L3 trochanter, femur, tibia and tarsus. Cotypes[Syntypes]: 10W [Brazil], SP[São Paulo], Franca, [xii.1910, E.] Garbe [leg.], Coll. Borgm. #2123. One worker treated with Barber's fluid. Comment: The original paper describes only workers with the number #15892. Specimens from type series were sent to Borgmeier and received the number #2123. So the males #15892 and the specimens with the number #15898 are not types.
- Solenopsis stricta* st. *foederata* Santschi, 1923: 255. Cotypes[Syntypes]: 5W Brésil[Brazil, Santa Catarina], Blumenau, [no date, P.M.] Witte [leg.], Coll. Borgm. #3830. One worker just with postpetiole and gaster.
- Solenopsis stricta* st. *foederata* var. *specularis* Santschi, 1923: 256. Cotypes[Syntypes]: 2W Brésil[Brazil, Santa Catarina], Blumenau, [no date, P.M.] Witte [leg.], Coll. Borgm. #3831. One worker missing A1 funiculus; One worker missing A1 last segment of the funiculus, L3 trochanter, femur, tibia and tarsus. Unavailable name by Bolton, 1995: 391.
- Solenopsis tridens* Forel, 1911: 298. Syntypes: 3W [Brazil], BA[Bahia], Vila Nova["Vila nova = Bonfim" (Kempf, 1971), today named Senhor do Bonfim. "In the region of Caatingas" (Ihering & Ihering, 1911)], ii.1908, E. Garbe [leg.], MP[MZSP] #14211, Coll. Borgm. #2128. One worker missing head, L4 tibia and tarsus. Cotypes[Syntypes]: 6W [Brazil], Est[ado da] Bahia, Villa Nova[Senhor do Bonfim, ii.1908, E. Garbe leg.], MP[MZSP] #14211.

Solenopsis tridens var. *substituta* Santschi, 1925b: 236. Syntypes: 3W 3G [Brazil], SP[São Paulo], Pitangueiras, i.1925, [H. Lüderwaldt leg.], Coll. Borgm. #326. One worker missing head, L4 tibia and tarsus; dealate gyne; one gyne missing W2; one gyne missing W1/W3. Raised to species by Trager, 1991: 161. Comment: Santschi (1925b) referred to these specimens with the identifier number #20909, but according the MZSP catalogue of identifier numbers the specimen #20909 is a Chrysomelidae and the correct number for the syntypes is #20907. Besides that, specimens from type series were sent to Borgmeier and received the number #326.

Solenopsis (Diplorhoptrum) subterranea MacKay & Vinson, 1989, 175. Paratypes: 3W [United States of America], TX[Texas], Brazos Co[County], 10 km N[orth] Kurten, 5.v.[19]87, W. Mackay [leg.], #9149. One worker missing L3 trochanter, femur, tibia and tarsus. 6W [United States of America], TX[Texas], Brazos Co[County], 10 km N[orth] Kurten, 5.viii.1987, W. Mackay [leg.], #9636. One worker missing L1/L3 femur, tibia and tarsus, L2 last tarsus.

Carebara genus group

Genus *Carebara* Westwood, 1840: 86

Carebara concinna species complex

Carebara brevipilosa Fernández, 2004: 210. Paratype: 1S Brasil[Brazil], São Paulo, Agudos, 23.ii.1955[original publication says "1995"], W.W. Kempf [leg.], #1806. Comment: The correct year is 1955, since W.W. Kempf passed away in 1976 (Lopes, 1978).

Carebara escherichi species complex

Carebara angulata Fernández, 2004: 226. Paratypes: 2W Ecuador, Prov[incia] Napo, Limoncocha, 00°24'S 76°36'W, 20.vii.1973, C.W. Rettenmeyer [leg.], #5300. One worker missing A1/A2, L1/L2/L3 femur, tibia and tarsus.

Carebara audita Fernández, 2004: 230. Paratype: 1W Colombia, Nariño, [Orito], Territorio Kofán, bosque, 700 m, 28.ix.1998[original publication says "20.ix.1998"], E.L. González leg., winkler.

Carebara brasiliiana Fernández, 2004: 227. Holotype: 1W Brasil, SP[São Paulo], Botucatu, [District]

Rubião Jr[Júnior], folhico, 19.xii.1990. B.H. Dietz col. Paratypes: 3W Brasil, SP[São Paulo], Salesópolis, E[stação] B[iológica] de B[oracéia], 12-17.vi.1997, B.H. Dietz & [C.I.] Yamamoto [leg.], winkler. One worker missing A1 funiculus, A2 last segment of the funiculus; one worker missing an antenna, disarticulated antenna and head glued on a paper triangle.

Carebara inca Fernández, 2004: 225. Paratype: 1W Peru, Madre de Dios, [Parque Nacional del Manu, Estación Biológica] Cocha Cashu, [in litter wet forest], 19°0'S 71°36'W, 27x.1999, D.W. Davidson [leg.].

Carebara nuda Fernández, 2004: 231. Holotype: 1W Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11'B 52°23'L, 300-500 m, xii.[19]57, Fritz Plaumann [leg.], xaxim. Missing L2/L3 trochanter, femur, tibia and tarsus, disarticulated L6 glued on the petiole. Paratypes: 8W Brazil, Nova Teutônia, 27°11'S 52°23'W, 300-500 m, 1.iv.1954[original publication says "xii.1957"], F. Plaumann [leg.]. One worker missing L1 tarsus; one worker missing A1; one worker missing L3/L6 trochanter, femur, tibia and tarsus; one worker missing L2/L3/L6 trochanter, femur, tibia and tarsus; one worker with disarticulated A1 and L2/L3/L5 glued on a paper triangle; one worker missing A2, L2 trochanter, femur, tibia and tarsus; one worker missing A2, L2 femur, tibia and tarsus; one worker missing L3 trochanter, femur, tibia and tarsus.

Carebara pilosa Fernández, 2004: 227. Holotype: 1W Brasilien[Brazil, Santa Catarina], Nova Teutônia, 27°11'B 52°23'L, 300-500 m, i.1957, Fritz Plaumann [leg.], xaxim. Paratypes: 4W [Brazil], SC[Santa Catarina], N[ova] Teutônia, iii.1971, F. Plaumann [leg.], #7863.

Carebara reina Fernández, 2004: 228. Paratype: 1W Colombia, Valle del Cauca, PNN[Parque Nacional Natural] Farollones de Cali, [Embalse del] Alto Anchicayá, 650 m, 29.iv.2001 [original publication says "19-24.vi.2001"], S. Sarria [leg.], #1912, winkler.

Carebara striata Fernández, 2004: 228. Paratype: 1W Brazil, Pará, Belém, Utinga Forest Preserve, 1968, in [frog stomach of] *Dendrobates quinquevittatus*, P.A. Silverstone [leg.]. Missing A2 last segment of the funiculus.

Carebara lignata species complex

Carebara coeca Fernández, 2004: 219. Holotype: 1S, Paratypes: 1S 2W Brasil GO[Goiás],

Jataí, UFG[Universidade Federal de Goiás], CCA[Centro de Ciências Agrárias], BR[Road] 364, km 192, ninho no solo, 10.i.2000, J. Diniz & C. Lásaro cols. Holotype missing L3 trochanter, femur, tibia and tarsus, petiole, postpetiole and gaster.

Carebara elongata Fernández, 2004: 213. Paratype: 1W Colombia, [Departament] Bolivar, PNN[Parque Nacional Natural, Santuario de Fauna y Flora] Los Colorados, Sector Venado, 320 m, 15-19.ix.2000, E. Delefeout [leg.], #1731, winkler. Comment: Original paper says "Paratypes: (...) same data as type (...)" and "Holotype worker: Colombia, Magdalena, Tayron National Park, Zaíno section, 11°12'01"N 74°02'01"W, 50 m, in malaise trap, 30.ago-20. sep.2000, R. Henríquez leg. M 624, deposited in IAvH[Insect Collection, Instituto Humboldt, Colombia]"

Carebara globularia Fernández, 2004: 214. Paratypes: 1W Colombia, Nariño, Territorio Kofán, bosque, 700 m, 28.ix.1998, E.L. González [leg., winkler]. 1W Colombia, Amazonas, 7 km NW[Northwest] Leticia, forest, litter, 20-25.ii[original publication says "iii"].1972, S. [Peck] & J. Peck [leg.], #250. 2W Ecuador, Prov[incia] Napo, Limoncocha, 00°24'S 76°36'W, 280 m, 13.viii.1973, Marian Rettenmeyer [leg.], #67. One worker missing L3 femur, tibia and tarsus.

Carebara minuta Fernández, 2004: 217. Holotype: 1W [Brazil], MT[Mato Grosso], Utiariti, Rio Papagaio, 10.xi.1966, [K.] Lenko & [F.S.] Pereira [leg.], #4489. Paratype: 1W Brazil, MT[Mato Grosso], Utiariti[Utiariti], Papagaio River, 10.xi.1996[1966, K.] Lenko [& F.S. Pereira leg.], #4489.

Carebara reticulata Fernández, 2004: 218. Paratype: 1W Colombia, [Departament] Quindío, Génova, Vda[Vereda] El Dorado, Fca[Bosque] San Isidro, 04°12'98"N 75°47'80"W, 1500 m, 31.x.1999, E.[L.] González [leg.], w[inkler]. Comment: Original publication says "J. Sosa leg."

Carebara tenua Fernández, 2004: 224. Holotype: 1S, Paratype: 1S Brasil, MG[Minas Gerais], B[elo] Horizonte, 29.vii.1975, R.L. Araújo [leg.], #6217. Holotype missing L1/L3 trochanter, femur, tibia and tarsus; paratype missing L1/L2 trochanter, femur, tibia and tarsus.

Oligomyrmex longiceps Santschi, 1929: 295. Typus[Lectotype]: 1W, Typus[Paralectotypes]: 1W 1M[Argentina], Sierras de Córdoba

[Córdoba], La Granja, Alta Gracia, 1924, C. Bruch leg., #1683. Lectotype missing L3 trochanter, femur, tibia and tarsus. Combination in *Carebara*, designation of the worker lectotype and male paralectotype by Fernández, 2004: 216. Comment: In the MZSP there is another worker labeled as paralectotype from the same data as the male paralectotype not mentioned by Fernández, 2004: 216.

Oligomyrmex longiceps Santschi, 1929: 295. Typus[Not types]: 2M [Argentina], Sierras de Córdoba[Provincia Córdoba], La Granja, Alta Gracia, 1924, C. Bruch leg., #1683. One male missing A1; one male only with postpetiole and gaster. Combination in *Carebara* by Fernández, 2004: 216. Comment: These specimens were designated as types by Santschi (1929), but Fernández, 2004: 216 did not list them as paralectotypes.

Oligomyrmex stenopterus Kusnezov, 1952b: 184. Cotype[Syntype]: 1G [Argentina], Misiones, [Puerto] Bemberg, iii.1945, [N.] Kusnezov [leg.], #746. Missing W3, L5 trochanter, femur, tibia and tarsus, L6 tarsus. Combination in *Carebara* by Fernández, 2004: 219.

Genus *Tropidomyrmex* Silva, Feitosa, Brandão & Diniz, 2009: 34

Tropidomyrmex elianae Silva, Feitosa, Brandão & Diniz, 2009: 39. Holotype: 1W, Paratypes: 3W 3G 5M Brasil, MG[Minas Gerais], Tiradentes, Serra de São José, 21°05'30"S 44°10'36", 1267 m, [in ground nest of *Anoplotermes pacificus* Mueller, 1873 (Isoptera, Apicomtermitinae)], 12.iv.2007, E.M. Cancellato & M.A. Menezes cols. One gyne and one male, both dealate, were coated with gold for SEM examination.

RESUMO

O presente catálogo lista os espécimes-tipo de espécies de formigas (Formicidae) das tribos de Myrmicinae Dacetini (Acanthognathus e Strumigenys) e Solenopsidini (Allomeurs, Carebarella, Megalomyrmex, Monomorium, Oxyepocus, Solenopsis, Carebara e Tropidomyrmex) depositados na coleção de Formicidae do Laboratório de Hymenoptera do Museu de Zoologia da Universidade de São Paulo/MZSP, Brasil. No total, a coleção inclui 141 tipos destas tribos, sendo 41 de espécies de Dacetini (nove holótipos e parátipos, 15 holótipos,

13 parátipos e quatro sítipos) e 100 de Solenopsidini (28 holótipos e parátipos, oito holótipos, 29 parátipos, 27 sítipos, four lectótipos e paralectótipos, um lectótipo e três paralectótipos), das quais 37 e 89 ainda são ainda reconhecidas, respectivamente. São apresentados os dados de rótulos, estado de conservação dos exemplares, alterações nomenclaturais, status taxonômico e índices para os táxons catalogados.

PALAVRAS-CHAVE: Catálogo; Formigas; Tipos; MZSP; Dacetini; Solenopsidini.

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APPENDIX

TABLE 1: Currently valid names of the listed taxa, followed by their original names (if applicable).

Tribe / Genus	Group/Complex	Valid Species Name	Original Name
Dacetini			
<i>Acanthognathus</i>		<i>A. rudis</i>	
		<i>S. abditivata</i>	<i>Gymnomyrmex abditata</i>
<i>Strumigenys</i>		<i>S. azteca</i>	<i>Glamyromyrmex aztecus</i>
		<i>S. carinithorax</i>	
		<i>S. cincinnata</i>	<i>Smithistruma cincinnata</i>
		<i>S. comis</i>	<i>Gymnomyrmex comis</i>
		<i>S. connectens</i>	
		<i>S. cosmostela</i>	
		<i>S. dapsilis</i>	<i>Pyramica dapsilis</i>
		<i>S. deltsiquama</i>	
		<i>S. dentinasis</i>	<i>Gymnomyrmex dentinasis</i>
		<i>S. diabola</i>	
		<i>S. dubitata</i>	
		<i>S. eggersi</i>	
		<i>S. emiliae</i>	
		<i>S. fridericimuelleri</i>	
		<i>S. gemella</i>	
		<i>S. gytha</i>	
		<i>S. infidelis</i>	<i>S. louisianae</i>
		<i>S. longispinosa</i>	
		<i>S. louisianae</i>	
		<i>S. minuscula</i>	<i>Gymnomyrmex minusculus</i>
		<i>S. perparva</i>	
		<i>S. planeti</i>	
		<i>S. precava</i>	
		<i>S. princeps</i>	
		<i>S. quadrua</i>	
		<i>S. reticeps</i>	<i>Codiomyrmex reticeps</i>
		<i>S. rugithorax</i>	<i>Gymnomyrmex rugithorax</i>
		<i>S. sanctipauli</i>	
		<i>S. splendens</i>	<i>Gymnomyrmex splendens</i>
		<i>S. sublonga</i>	
		<i>S. sublucida</i>	<i>Smithistruma sublucida</i>
		<i>S. substricta</i>	<i>Glamyromyrmex substrictus</i>
		<i>S. smilax</i>	
		<i>S. tanymastax</i>	<i>Smithistruma tanymastax</i>
		<i>S. thomae</i>	
		<i>S. trudifera</i>	
		<i>S. urrhobia</i>	<i>Pyramica urrhobia</i>
		<i>S. zeteki</i>	<i>Neostruma zeteki</i>
Solenopsidini			
<i>Allomerus</i>		<i>A. decemarticulatus</i>	
		<i>A. dentatus</i>	
		<i>A. undecemarticulatus</i>	
		<i>A. maietae</i>	
		<i>A. vogeli</i>	
<i>Carebarella</i>		<i>A. brevipilosus</i>	
		<i>C. alvarengai</i>	
		<i>C. condei</i>	
<i>Megalomyrmex</i>	Leonius	<i>M. acauna</i>	
		<i>M. bidentatus</i>	
		<i>M. cyendyra</i>	
		<i>M. glaesarius</i>	
		<i>M. leoninus</i>	

Tribe / Genus	Group/Complex	Valid Species Name	Original Name	
<i>Monomorium</i>	Modestus	<i>M. pacova</i>		
		<i>M. timbira</i>		
		<i>M. ayri</i>		
		<i>M. caete</i>		
		<i>M. cupecuara</i>		
		<i>M. goeldii</i>		
	Pusillus	<i>M. iberingi</i>		
		<i>M. weyrauchi</i>		
		<i>M. drifii</i>		
		<i>M. gnomus</i>		
		<i>M. incisus</i>		
		<i>M. miri</i>		
	Silvestrii	<i>M. cuatiana</i>		
		<i>M. mondabora</i>		
		<i>M. mondaboroides</i>		
		<i>M. nocarina</i>		
		<i>M. piriana</i>		
		<i>M. symmetochus</i>		
		<i>M. tasyba</i>		
		<i>M. wettereri</i>		
		<i>M. chilensis</i>	<i>Megalomyrmex bicolor</i>	
		<i>M. bidentatum</i>		
	<i>M. denticulatum</i>			
	<i>M. inusuale</i>			
	<i>Oxyepoecus</i>	Rastratus	<i>M. cyaenum</i>	
			<i>O. daguerrei</i>	<i>Martia daguerrei</i>
			<i>O. rastratus</i>	<i>Monomorium rastratum</i>
<i>O. myops</i>				
<i>O. plaumanni</i>				
<i>O. regularis</i>				
<i>O. reticulatus</i>				
Vezenyii		<i>O. rosai</i>		
		<i>O. inquilinus</i>	<i>Martia inquilina</i>	
		<i>O. punctifrons</i>	<i>Monomorium punctifrons</i>	
		<i>O. browni</i>		
		<i>O. bruchi</i>		
		<i>O. crassinodus</i>		
		<i>O. ephippiatus</i>		
		<i>O. kempfi</i>		
		<i>O. longicephalus</i>		
		<i>O. quadratus</i>		
<i>O. vivax</i>				
<i>Solenopsis</i>		<i>S. albidula postbrunnea</i>		
		<i>S. brevicornis petropolitana</i>		
		<i>S. bucki</i>		
		<i>S. clytemnestra leda</i>		
		<i>S. clytemnestra strangulata</i>		
		<i>S. corticalis margotae</i>		
		<i>S. daguerrei</i>	<i>Labauchena daguerrei</i>	
		<i>S. decipiens scelesta</i>		
		<i>S. franki</i>		
		<i>S. franki idae</i>		
		<i>S. iberingi</i>		
		<i>S. invicta</i>	<i>S. wagneri</i>	
		<i>S. joergenseni</i>		
		<i>S. leptanilloides</i>		
		<i>S. nigella gensterblumi</i>		

Tribe / Genus	Group/Complex	Valid Species Name	Original Name
Carebara	C. concinna C. escherichi	<i>S. photophila</i>	
		<i>S. quinquecuspis</i>	
		<i>S. reichenspergeri</i>	
		<i>S. stricta foederata</i>	
		<i>S. subterranea</i>	
		<i>S. substituta</i>	<i>S. tridens</i> var. <i>substituta</i>
		<i>S. succinea nicai</i>	
		<i>S. tridens</i>	
		<i>C. brevipilosa</i>	
		<i>C. angulata</i>	
	C. lignata	<i>C. audita</i>	
		<i>C. brasiliana</i>	
		<i>C. inca</i>	
		<i>C. nuda</i>	
		<i>C. pilosa</i>	
		<i>C. reina</i>	
		<i>C. striata</i>	
		<i>C. coeca</i>	
		<i>C. elongata</i>	
		<i>C. globularia</i>	
Tropidomyrmex		<i>C. minuta</i>	
		<i>C. reticulata</i>	
		<i>C. tenua</i>	
		<i>C. longiceps</i>	<i>Oligomyrmex longiceps</i>
		<i>C. stenopterus</i>	<i>Oligomyrmex stenopterus</i>
	<i>T. elianae</i>		

TABLE 2: Cited synonyms or new combination, followed by respective valid names.

Tribe / Genus	Group/Complex	Synonym/Combination	Valid Species Name
Dacetini			
Pyramica		<i>Pyramica abditivata</i>	<i>Strumigenys abditivata</i>
		<i>Pyramica connectens</i>	<i>Strumigenys connectens</i>
		<i>Pyramica eggersi</i>	<i>Strumigenys eggersi</i>
		<i>Pyramica emiliae</i>	<i>Strumigenys emiliae</i>
		<i>Pyramica fridericimuelleri</i>	<i>Strumigenys fridericimuelleri</i>
		<i>Pyramica gemella</i>	<i>Strumigenys gemella</i>
Smithistruma		<i>Smithistruma alegrensis</i>	<i>Strumigenys emiliae</i>
Strumigenys		<i>S. clasmospongia</i>	<i>S. louisianae</i>
		<i>S. producta</i>	<i>S. louisianae</i>
Solenopsidini			
Labauchena		<i>L. acuminata</i>	<i>Monomorium daguerrei</i>
		<i>L. daguerrei</i>	<i>Monomorium daguerrei</i>
Megalomyrmex Monomorium	Silvestrii	<i>M. sjöstedti</i>	<i>M. silvestrii</i>
		<i>M. (Notomyrmex) bidentatum piceonigrum</i>	<i>M. bidentatum</i>
		<i>M. (Notomyrmex) denticulatum inerme</i>	<i>M. denticulatum</i>
		<i>M. emersoni</i>	<i>M. cyaenum</i>
Oxyepoecus	Vezenyii	<i>M. rastratum</i> var. <i>luederwaldti</i>	<i>Oxyepoecus rastratus</i>
		<i>O. turgidus</i>	<i>O. inquilinus</i>
Solenopsis		<i>O. minuta</i>	<i>O. bruchi</i>
		<i>S. blumi</i>	<i>S. quinquecuspis</i>
		<i>S. decipiens abjecta</i> var. <i>ignobilis</i>	Unavailable name
		<i>S. wagneri</i>	<i>S. invicta</i>
		<i>S. nigella</i> st. <i>prevalens</i>	<i>S. nigella gensterblumi</i>
	<i>S. pulleni</i>	Unavailable name	
	<i>S. stricta</i> st. <i>foederata</i> var. <i>specularis</i>	Unavailable name	