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TYPE SPECIMENS OF THE TRADITIONAL MYRMICINAE (HYMENOPTERA: FORMICIDAE) ANT TRIBES DEPOSITED IN THE MUSEU DE ZOOLOGIA DA UNIVERSIDADE DE SÃO PAULO, BRAZIL: ADELOMYRMECINI, BASICEROTINI, BLEPHARIDATTINI, CREMATOGASTRINI, FORMICOXENINI, LENOMYRMECINI, MYRMICINI, PHALACROMYRMECINI, PHEIDOLINI, STEGOMYRMECINI, STENAMMINI AND TETRAMORIINI

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ABSTRACT

The present catalogue lists ant types of 12 traditional Myrmicinae ant tribes (Adelomyrmecini, Basicerotini, Blepharidattini, Crematogastrini, Formicoxenini, Lenomyrmecini, Myrmicini, Phalacromyrmecini, Pheidolini, Stegomyrmecini, Stenammini and Tetramoriini) housed in the Formicidae Collection of the Hymenoptera Laboratory, Museu de Zoologia da Universidade de São Paulo (MZSP), Brazil, completing the publication of Myrmicinae types deposited in this institution. We adopted the traditional classification for Myrmicinae tribes to follow the already published catalogues regarding the Attini, Cephalotini, Dacetini and Solenopsidini and published catalogues in this series. In total, the present catalogue includes types of 213 nominal species, of which 169 are still valid. Twelve species listed here are represented by holotypes only, 28 by holotypes and paratypes, 102 species by paratypes only, 65 species by syntypes, and five species by lectotypes and paralectotypes. We record the label information, morphological condition of the specimens, nomenclatural changes, and type status, following the recommendations of the International Code of Zoological Nomenclature (ICZN).

KEY-WORDS: Catalogue; Myrmicinae; Ants; Types; MZSP.

INTRODUCTION

The Museu de Zoologia da Universidade de São Paulo (MZSP) houses today one of the leading zoo-

logical collections of Latin America, summing approximately 10 million liquid or dry preserved specimens (Landim, 2011). There are about seven thousand primary types deposited in the MZSP collections.

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The MZSP Formicidae (Insecta: Hymenoptera) collection holds one of the most important collections worldwide for the Neotropical region, regarding to the number of types, species and specimens, as well geographic coverage, due to the acquisition of the Kempf-Borgmeier collection in 1977 (Brandão, 1991; Klingenberg & Brandão, 2005) and material more recently added by several collaborators, including C.R.F. Brandão (curator since 1981), his students and associates, especially from localities not represented before (Esteves *et al.*, 2011). In addition, the collection also houses specimens collected by Nicolas Kusnezov, William Mowry Mann, Carlos Bruch and Hermann von Lüderwaldt.

As proposed by the International Code of Zoological Nomenclature (ICZN, 1999) when treating institutional responsibilities – “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” – we are publishing a series of catalogues listing the ant type specimens deposited in MZSP collection. The 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), Dorylomorphs (Aenictinae, Ecitoninae, Cerapachyinae and Leptanilloidinae) (Esteves *et al.*, 2011), Dacetini and Solenopsidini (Formicidae: Myrmicinae) (Ulysséa & Brandão, 2013) and Cephalotini (Formicidae: Myrmicinae) (Prado & Brandão, 2013). Our aim is to encourage further studies on ant taxonomy and also to avoid unnecessary movement of precious, sometimes unique, specimens.

The present catalogue is the seventh in a series of MZSP ant types and the fourth on Myrmicinae ant types, dealing this time with 12 tribes: Adelomyrmecini, Basicerotini, Blepharidattini, Crematogastrini, Formicoxenini, Lenomyrmecini, Myrmicini, Phalacromyrmecini, Pheidolini, Stegomyrmecini, Stenammini and Tetramoriini – out of the 25 tribes traditionally recognized to this subfamily (Bolton, 1995, 2003, 2013, 2014; Ward, 2007). Recently, Ward *et al.* (2014) redefined the Myrmicinae tribe boundaries and proposed a six wider concept tribe scheme – Attini, Crematogastrini, Myrmicini, Pogonomyrmecini, Stenammini and Solenopsidini (Appendix, Table 1). As this catalogue completes the series on this subfamily, we are using the traditional tribe classification because we already published type catalogues

of the MZSP Attini (Klingenberg & Brandão, 2005), Cephalotini (Prado & Brandão, 2013), Dacetini and Solenopsidini (Ulysséa & Brandão, 2013), and also because the published ant taxonomic catalogues have not incorporated this proposal still. Myrmicinae is the largest, most diverse and successful Formicidae subfamily, including 143 valid genera, 6,444 valid species and 824 valid subspecies (Bolton, 2014). The 12 tribes considered here comprise 85 valid genera (one *incertae sedis*), 4,422 valid species and 662 valid subspecies (Bolton, 2014).

The purpose of this catalogue is to list the ant type specimens of these 12 Myrmicinae tribes, providing label information, conservation status of the specimens and current taxonomic situation, following the recommendations of the ICZN (1999).

MATERIAL AND METHODS

For preparation of the catalogue, information from the ant type labels was compared to the original descriptions – which can be easily found on the Global Ant Project website (gap.entclub.org/taxonomists/index.html), the Ant Cat website (www.antcat.org) (Bolton, 2014), the catalogues of identifier numbers of Thomaz Borgmeier, Walter Wolfgang Kempf and MZSP collection. The nomenclature of type specimens was updated following the ICZN (1999).

The combination of type names is quoted in alphabetical order by species name, according the genus they are presently organized. We used the following abbreviations: Coll. = collection, Coll. Borgm. = T. Borgmeier Collection, Coll. Bruch = Carlos Bruch Collection, Coll. Kempf = W.W. Kempf Collection, Coll. Mann = W.M. Mann Collection, Coll. Kusn. = N. Kusnezov Collection; W = worker, S = soldier (major worker), G = gyne (Feitosa & Brandão, 2008), E = ergatoid, 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, A1 = left antenna, A2 = right antenna; W = wing, W1 = anterior left wing, W2 = posterior left wing, W3 = anterior right wing, W4 = posterior right wing; L = leg, 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 Myrmicinae ant types, the following order is adopted in the present catalogue (although we do not have complete information for all entries): spe-

cies 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 lost ones.

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 (2013, 2014).

RESULTS

This catalogue gathers information on types of 213 nominal species – 210 species and three subspecies (169 valid), including 103 individuals (796 workers, 154 soldiers, 64 gynes, three ergatoids and six males) of 25 recognized genera (*Adelomyrmex*, *Aphaenogaster*, *Basicoeros*, *Blepharidatta*, *Crematogaster*, *Cryptomyrmex*, *Diaphoromyrma*, *Eurhopalothrix*, *Hylomyrma*, *Lachnomyrmex*, *Lenomyrmex*, *Myrmica*, *Nesomyrmex*, *Ochetomyrmex*, *Octostruma*, *Phalacromyrmex*, *Pheidole*, *Pogonomyrmex*, *Rhopalothrix*, *Rogeria*, *Stegomyrmex*, *Stenamamma*, *Temnothorax*, *Tetramorium* and *Wasmannia*) (Appendix, Table 2). These species are represented by 12 holotypes only, 28 by holotypes and paratypes, 102 by paratypes only, 65 by syntypes, five by lectotypes and paralectotypes.

Subfamily Myrmicinae

Tribe Adelomyrmecini

Genus *Adelomyrmex* Emery, 1897: 590

Adelomyrmex anxioalor Longino, 2012: 11. Paratype: 1W, HONDURAS, Olancho, 12 km N[orth

of] Catacamas, 14.95307 -85.91669 ± 20 m, 13May2010[13.v.2010], R.S. Anderson [leg.], #2010-028, 2190 m, Wet Cloud Forest, ex sifted leaf litter.

Adelomyrmex betoi Fernández, 2003b: 13. Holotype: 1W, MEX[ICO], Ver[acruz], Córdoba, Paraje Nuevo, Nacimiento, 07.viii.1969, S. [Peck] & J. Peck [leg.], #176, Trop[ical] Everg[reen] For[est], Ber[lese-Tullgren funnels]. Paratypes: 3W, MEX[ICO], Veracruz, 4.4 mi[les] N[orth of] Huatusco, 02.viii.[19]73, A. Newton [leg.], 4200'[feet], Ber[lese-Tullgren funnels], log & leaf litter esp. hollow logs & fungi. Comment: The MZSP collection has two workers labeled as paratypes [MEXICO, LBS, 21.v.1971, S. Peck leg., #B-204, leaf litter], but as the original publication did not mention these specimens we do not consider them as types.

Adelomyrmex bispeculum Longino, 2012: 13. Paratype: 1W, COSTA RICA, Alajuela, 4 km ENE[East-northeast of] Monteverde, 10.31716 -84.77610 ± 10 m, 23Dec2010 [23.xii.2010], J. Longino [leg.], #7220, 1675 m, Cloud Forest, nest in clay bank.

Adelomyrmex brevispinosus Fernández, 2003: 596 in Fernández & MacKay, 2003. Paratype: 1W, MEXICO, Chiapas, 4 km N[orth of] Unión Juárez, Volcán Tacana, lower slopes, 18Sep1992[18.ix.1992], R.S. Anderson [leg.], #92-109, 1950 m, Cloud Forest, litter. Junior synonym of *Adelomyrmex tristani* (Menozzi, 1931) by Longino, 2012: 32.

Adelomyrmex dentivagans Longino, 2012: 17. Paratype: 1W, MEXICO, Chiapas, 13.7 km NW[Northwest of] Metzabok, 17°11'N 91°44'W, 14Jul2007[14.vii.2007], J. Longino [leg.], #6046-s, 540 m.

Adelomyrmex laevigatus Mackay, 2003: 600 in Fernández & MacKay, 2003. Paratypes: 1W, PANAMA, Chiriqui, Volcán Hartman's Finca, 14.vi.[19]95, R. Anderson [leg.], #17814, sample B, 1450 m, Wet min. Tropical Forest litter. 1W, CR[COSTA RICA], Puntarenas Prov[ince], Monteverde, 10°18'N 84°48'W, 16Apr1989[16.iv.1989], J. Longino [leg.], #2468-s, 1500 m, Wet Forest, ex sifted leaf litter. Not Labeled[Paratype]: 1W, CR[COSTA RICA], Guanacaste Prov[ince], Maritza Field Stn[Station], 13.ii.[19]96, R.[S.] Anderson [leg.], #17736, sample B, 875 m, Dry Tropical, Wet Mountain, forest transition litter. Comment: The specimen #17814 from Panama should have been deposited in IAVH according Fernández & MacKay (2003), but was depos-

- ited in the MZSP. Also, the MZSP houses the specimen #17736, not labeled as type, but according to the original publication it is a paratype and was labeled accordingly.
- Adelomyrmex longinoi* Fernández, 2003b: 21. Paratype: 1W, COSTA RICA, Heredia, Est[ación] Biol[ogical] La Selva, 10°26'N 84°01'W, 18Jun1999[18.vi.1999], #W/10/005, 50-150 m, INBio-OET, Bosque Primario. Missing L1 2° to 5° tarsus, L3 3° to 5° tarsus.
- Adelomyrmex marginodus* Longino, 2012: 20. Paratype: 1W, HONDURAS, Atlántida, 12 km SW[Southwest of] La Ceiba, 15.69130 -86.86076 ± 20 m, 19Jun2010[19.vi.2010], LLAMA #Wa-C-09-2-17, 280 m, Tropical Forest, ex sifted leaf litter.
- Adelomyrmex metzabok* Longino, 2012: 22. Paratype: 1W, MEXICO, Chiapas, Lago Metzabok, 17.12566°N 91.63088°W, 5Jun2008[05.vi.2008], LLAMA #Wa-A-06-1-02, 570 m, Lowland Wet Forest, ex sifted leaf litter.
- Adelomyrmex micans* Fernández, 2003: 601 in Fernández & MacKay, 2003. Paratype: 1W, MEXICO, Chiapas, 4 km N[orth of] Unión Juárez, Volcán Tacana, lower slopes, 19Sep1992[19.ix.1992], R.S. Anderson [leg.], #92-110, 2000 m, Cloud Forest, litter. Missing A1.
- Adelomyrmex nortenyio* Longino, 2012: 25. Paratype: 1W, MEXICO, Tamaulipas, Rancho del Cielo, 23.10105 -99.19233 ± 50 m, 17Jul2006[17.vii.2006], R.S. Anderson [leg.], #2006-0005, 1200 m, Mixed Oak, ex forest litter.
- Adelomyrmex paratristani* Longino, 2012: 26. Paratype: 1W, HONDURAS, Olancho, PN[National Park] La Muralla, 15.09798 -86.72081 ± 15 m, 3May2010[03.v.2010], J. Longino [leg.], #6956, 1850 m, Oak Cloud Forest, nest in dead wood.
- Adelomyrmex quetzal* Longino, 2012: 28. Paratype: 1W, GUATEMALA, B[aja] Verapaz, 7.5 km S[outh of] Purulha, 15.1989 -90.2 ± 11700 m, 26May1991[26.v.1991], R.S. Anderson [leg.], #91-026, 1630 m, Cloud Forest, forest litter.
- Adelomyrmex robustus* Fernández, 2003b: 26. Holotype: 1W, MEXICO, Chiapas, 8 mi[les] N[orth of] Pueblo Nuevo, Solistahuacán, 26[-27].viii.1973, A. Newton F. [leg., 6000 feet, leaf litter, forest floor]. Paratypes: 1G 3W, MEXICO, Chiapas, 8 mi[les] N[orth of] Pueblo Nuevo, Solistahuacán, 26-27.viii.1973, A. Newton [leg.], 6000'[feet], leaf litter, forest floor. De-
alate gyne. 6W, MEXICO, Chiapas, 2.1 km NW[Northwest of] Pueblo Nuevo, Solista-
huacán, Yerbabuena Preserve, 23.ix.1992, R.S. Anderson [leg.], #92-114, 2070[2100] m, liq[uid of] Ambar Forest. One worker missing L1, L6 4° and 5° tarsus. 2W, MEXICO, Chiapas, 5 km E[ast of] Rayón, 23.xii.1991, P.S. Ward [leg.], #11581-8. One worker missing L6 4° and 5° tarsus. 1W, MEXICO, Chiapas, 5 km E[ast of] Rayón, 17°13'N 92°58'W, 23.xii.1991, P.S. Ward [leg.], #11581-8, 1700 m, Montane Rainfor[est], sifted litter (leaf, mold, rotten wood). Comment: The MZSP houses thirteen workers labeled as paratypes, but according to the original publication they are not part of the type series [4W, MEXICO, San Luis de Potosí, 14 min. Xilitla, 29.vi.1973, A. Newton leg., 4800 feet. 9W, MEXICO, San Luis de Potosí, 14 min. Xilitla, 29.vi.1973, A. Newton leg., 4800 feet, leaf & log litter, non cunif, liquid of Ambar Forest. One worker missing A1 funiculus; one worker missing post-petiole, gaster; one worker missing L1 tibia and tarsi; one worker missing L5 3° to 5° tarsus; one worker missing L6 trochanter to tarsus; one worker missing L4 trochanter to tarsus].
- Adelomyrmex samoanus* Wilson & Taylor, 1967: 77. Paratypes: 2W, W[ESTERN] SAMOA, S[outh of] Upolu, Poutasi, 2.2.56[02.ii.1956], T.E. Woodward [leg.], #MCZ[C] 31112, Leaf Mold Rainforest. One worker missing post-petiole, gaster; one worker missing A2, L4 femur to tarsi. 1W, W[ESTERN] SAMOA, N[orth of] Upolu, Utumapu, 17.i.[19]56, T.E. Woodward [leg.], #MCZ[C] 31112, 400'[feet].
- Adelomyrmex striatus* Fernández, 2003b: 29. Holotype: 1W, BRAZIL, Amazonas, 24 km NE[Northeast of] Manaus, Rio Branco Rd[Road], Ig[arapé, Small Creek] Marianil, 22Aug1962[22.viii.1962], W.L. Brown [leg.], #M-13. Paratype: 1W, [BRAZIL], AM[Amazonas], km 24 NE[Northeast of] Manaus, Rio Branco Rd[Road], Igarapé[Small Creek] Marianil, 22.viii.1962, W.L. Brown [leg.], #M-13.
- Adelomyrmex vaderi* Fernández, 2003b: 33. Paratype: 1W, COLOMBIA, Cundinamarca, Medina, [Gazaunta river], Q.[Creek] Cristalina, 08.iii.[19]97, F. Escobar [leg.], 1750 m.
- Comment: The MZSP ant collection houses one worker from COLOMBIA, Santander, Encino, Reserva Natura Cachalú, 06°04'N 73°07'W, 20.iii.1999, E.L. Gonzalez leg., 2000 m, Winkler #9, labeled as paratype of *Adelomyrmex longispinosus*. However, the name *Adelomyrmex longispinosus* has never been published, and

this specimen is listed also as examined material of *Adelomyrmex tristani* (Menozzi, 1931) by Fernández, 2003b, which is currently recognized as a senior synonym of *Adelomyrmex brevispinosus* Fernández, 2003: 596 (Fernández & MacKay, 2003) by Longino, 2012: 32. We do not consider it as paratype.

Genus *Cryptomyrmex* Fernández, 2004: 328

Adelomyrmex longinodus Fernández & Brandão, 2003: 20 in Fernández, 2003b. Paratype: 1W, BRASIL, AM[Amazonas], Manaus, VIC, iii-iv.1994[01.iii.1994], R. Didham [leg.]. Not Labeled[Paratypes]: 1G 3W, BRASIL, AM[Amazonas], Manaus, 03.iii.1998, M. Garcia *et al.* leg., Shift 52, Floresta, Solo, Berlese-[Tullgren] Funil, #04. Dealted gyne; one worker missing L3 tarsi; one worker coated with gold; one worker coated with gold, body disarticulated in three parts glued on the triangle, missing A1 funiculus, A2 last three segments of the funiculus, L2 tibia and tarsi, L4. Combination in *Cryptomyrmex* by Fernández, 2004: 332. Comment: The MZSP also houses two workers from the paratype series collected by M. Garcia *et al.* without paratype label. We were not able to confirm if these specimens are truly paratypes.

Tribe Basicerotini

Genus *Basiceros* Schulz, 1906: 156

Basiceros manni Brown & Kempf, 1960: 177. Paratypes: 1G 4W, COSTA RICA, Santa Clara, Hamburg Farm, 1924, F. Nevermann col. One worker missing L2, L3. Paratypes: 3W, C[OSTA] R[ICA], Colombiana [Columbiana Farm], iii.1920, W.M. Mann col.

Creighttonidris scambognatha Brown, 1949a: 89. Holotype: 1G, [BRAZIL], Goyás [Goiás], Campinas, x.[1]1935, Schwarzmaier [leg.]. Missing L3, W1. Combination in *Basiceros* by Fernández, 2003: 392; Feitosa, Brandão & Dietz, 2007: 19.

Basiceros squamifer Borgmeier, 1937: 245. Syntypes: 24W, Cotypes[Syntypes]: 2G 3W, [BRAZIL], RJ [Rio de Janeiro], Angra dos Reis, Jussaral, 30.x.1935, [H.S.] Lopes & [H.] Lent [cols.]. Coll. Borgm. #5510. One worker with disarticulated head. Junior synonym of *Basiceros convexiceps* (Mayr, 1887: 581) by Brown & Kempf, 1960: 172.

Genus *Eurhopalothrix* Brown & Kempf, 1961: 44

Eurhopalothrix australis Brown & Kempf, 1960: 218. Paratypes: 3W, AUSTRALIA, Crawfords Lookout, Beatrice R[iver], ii.1958, P.F. Darlington [leg.], Rainforest.

Rhopalothrix bolau Mayr, 1870: 415. Cotypes[Syntypes]: 3W, HONDURAS, La Ceiba, W.M. Mann col. One worker missing postpetiole, gaster. Combination in *Eurhopalothrix* by Brown & Kempf, 1960: 210. Senior synonym of *Eurhopalothrix amoena* (Mann, 1922: 39) by Brown & Kempf, 1960: 210.

Rhopalothrix bruchi Santschi, 1922a: 256. Syntype: 1W, ARGENTINA, Cordoba, Alta Gracia, C. Bruch leg. Combination in *Eurhopalothrix* by Brown & Kempf, 1960: 214.

Eurhopalothrix cimú Longino, 2013a: 114. Paratype: 1W, CUBA, Granma, PN [National Park] Pico Turquino Aguada de Joachin, 20.01500 -7684000 ± 150 m, 03.ii.2012, R.S. Anderson [leg.], #2012-023, 1370 m, Dry Mixed Forest, ex sifted leaf litter.

Eurhopalothrix circumcapillum Longino, 2013a: 116. Paratype: 1W, NICARAGUA, Raan, PN[National Park] Cerro Saslaya, 13.77216 -84.99613 ± 20 m, 08.x.2011, LLAMA #Wm-D01-1-08, 670 m, Montane Wet Forest, ex sifted leaf litter.

Eurhopalothrix depressa Ketterl, Verhaagh & Dietz, 2004: 45. Holotype: 1W, BRASILIEN [BRAZIL], Rio Grande do Sul, CPCN[Centro de Pesquisa e Conservação da Natureza] Pró Mata, 29°30'S 50°10'W, 02.iv.1997, J. Ketterl [leg.], 900-920 m, SMNK, Mata Atlântica, Araucarian Forest, soil litter sifting (Winkler), FN WUA 13.

Rhopalothrix gravis Mann, 1922: 40. Syntypes: 3W, HONDURAS, [Lombardia], San Juan Pueblo, W.M. Mann col., Coll. Mann 1954. Combination in *Eurhopalothrix* by Brown & Kempf, 1960: 211. Senior synonym of *Eurhopalothrix reichenspergeri* (Santschi, 1923a: 1263) and of *Eurhopalothrix schmidti* (Menozzi, 1936: 82) by Brown & Kempf, 1960: 211.

Eurhopalothrix guadeloupensis Longino, 2013a: 121. Paratype: 1W, [FRANCE], Guadalupe [Island], Basse Terre, Soufrière, 16.03406 -61.66786 ± 56 m, 15.v.2012, R.S. Anderson [leg.], #RSA2012-113, 922 m, Wet Cloud Forest, ex sifted leaf litter.

Eurhopalothrix hunhau Longino, 2013a: 123. Paratype: 1W, GUATEMALA, Zacapa, 2 km

- SE[Southeast of] La Unión, 14.95320 -89.27559 ± 50 m, 12.v.2009, LLAMA #WA-B-03-2-48, 1430 m, Cloud Forest, ex sifted leaf litter.
- Eurhopalothrix lenkoi* Kempf, 1967: 358. Holotype: 1W, Paratypes: 6W 1G, BRAZIL, S[ão] P[aulo], Caraguatubá, Res[tinga] Flor[esta], 07-14.vii.1962, Exp[edição do] Dep[artamento de] Zool[ogia], #2183, 40 m. One paratype worker missing L3 femur. Paratypes: 28W, BRAZIL, S[ão] Paulo, Ilha da Vitória, Ilhote das Cabras, 26.iii.[1]964, Dep[artamento de] Zool[ogia], #4031. One worker with disarticulated postpetiole and gaster.
- Eurhopalothrix ortizae* Longino, 2013a: 130. Paratype: 1W, C[OSTA] R[ICA], Prov[ince] Puntarenas, Monteverde, 10°18'N 84°48'W, 13.iii.2003, L. Schonberg [leg.], 1570 m, Montane Wet Forest, transect 2 plot.
- Eurhopalothrix oscillum* Longino, 2013a: 133. Paratype: 1W, COSTA RICA, Alajuela, Casa Eladio, Rio Penas Blancas, 10.30877 -8471650 ± 1 km, 10.v.1989, J. Longino #2529-s, 830 m, Wet Forest, ex sifted leaf litter.
- Eurhopalothrix pilulifera* Brown & Kempf, 1960: 208. Paratype: 1G, [BRAZIL], Rio de Janeiro, DF, 18.iii.1937[the original publication says "08.iii.1932"], H.S. Lopes [leg.]. Disarticulated head, mesosoma and gaster, missing W1, W2, W4.
- Eurhopalothrix semicapillum* Longino, 2013a: 139. Paratypes: 1G 1W, COSTA RICA, Heredia, 16 km SSE[South-southeast of] La Virgen, 10.26863 -84.08287 ± 200 m, 01.iv.2001, ALAS #11/WF/02, 1110 m, Montane Wet Forest, ex sifted leaf litter.
- Eurhopalothrix speciosa* Brown & Kempf, 1960: 203. Holotype: 1W, BRASILIEN [BRAZIL, Santa Catarina], Nova Teutônia, 27°11'B 52°23'L, v.1957, Fritz Plaumann [leg.]. Coll. Kempf #2648, 300-500 m. Paratype: 1W, [BRAZIL], S[anta] C[atarina], Serra Geral, xii-1958, F. Plaumann [leg.], Coll. Kempf #3004.
- Eurhopalothrix spectabilis* Kempf, 1962: 27. Holotype: 1G, BRASILIEN [BRAZIL, Santa Catarina], Nova Teutônia, 27°11'B 52°23'L, v.1960, Fritz Plaumann [leg.], 300-500 m. Dealated gyne.
- Eurhopalothrix xibalba* Longino, 2013a: 144. Paratype: 1W, COSTA RICA, Prov[ince] Heredia, 9 km NE[Northeast of] Vara Blanca, 10°14'N 84°06'W, 22.iii.2005, INBio-OET-ALAS transect, Finca Murillo 15/WF/01/46, 1450-1550 m.
- Genus *Octostruma* Forel, 1912a: 196**
- Octostruma ascrobis* Longino, 2013b: 18. Paratype: 1W, GUATEMALA, Izabal, 5 km NW[Northwest of] Morales, 15.51465°N 88.86440°W ± 28 m, 18.v.2009, LLAMA #Wm-B-04-1-09, 280 m, 2° Lowland Rainforest, ex sifted leaf litter.
- Octostruma betschi* Perrault, 1988: 303. Paratype: 1W, GUIANA FRANCESA, 05°30'S 50°W, 04.v.1978, [J.]M. Betsch col., floresta primária. One worker lost.
- Octostruma cyrtinotum* Longino, 2013b: 28. Paratype: 1W, HONDURAS, Olancho, PN[National Park] La Muralla, 15.09489 -86.73944 ± 125 m, 02.v.2010, LLAMA #Wm-C-01-2-1, 1420 m, Cloud [Forest], ex sifted leaf litter.
- Octostruma excertirugis* Longino, 2013b: 30. Paratype: 1W, GUATEMALA, Izabal, 5 km NW[Northwest of] Morales, 15.51351°N 88.86647°W ± 26 m, 17.v.2009, LLAMA #Wm-B-04-1-01, 245 m, 2° Lowland Rainforest, ex sifted leaf litter.
- Octostruma gymnogon* Longino, 2013b: 33. Paratype: 1W, COSTA RICA, Prov[ince] Alajuela, Rio Peñas Blancas, 10°19'N 84°43'W, 27.iv.1988, J. Longino #2015-5, 800 m, Wet Forest, ex sifted leaf litter.
- Rhopalothrix iheringi* Emery, 1888: 361. Cotypes[Syntypes]: 3W, JAMAICA, [Port Antonio, road to Shotover], Wighti Wh., MCZ[C] 6-8-8680. 2W, JAMAICA, [Port. Antonio, road to Shotover], Wighti Wh., MCZ[C] 9-II-8680. One worker missing head. Combination in *Octostruma* by Brown, 1949b: 92. Senior synonym of *Octostruma godmani* (Forel, 1899: 41), *Octostruma simony* (Emery, 1890: 67), *Octostruma spei* (Forel, 1912b: 196), *Octostruma wighti* (W.M. Wheeler, 1908: 161) and *Octostruma sulcata* (Santschi, 1936: 201) [unavailable name] by Brown & Kempf, 1960: 187.
- Octostruma inca* Brown & Kempf, 1960: 185. Holotype: 1W, Paratypes: 10W, PERU, W. Weyrauch [leg.], #732. One paratype worker with disarticulated head, postpetiole and gaster; one paratype worker with disarticulated postpetiole and gaster.
- Rhopalothrix lutzii* W.M. Wheeler, 1913: 241. Syn-types: 1G 7W, [THE COMMONWEALTH OF] DOMINICA [Island, Laudet and Long Ditton, near] Roseau, F.E. Lutz [leg.]. Dealated gyne; one worker with disarticulated head and missing gaster. Combination in *Octostruma* by Brown, 1949b: 92. Junior synonym of *Octo-*

struma balzani (Emery, 1894: 217) by Brown & Kempf, 1960: 194.

Octostruma montanis Longino, 2013b: 43. Paratype: 1W, NICARAGUA, Matagalpa, RN[Natural Reserve] Cerro Musún, 12.97796 -8523242 ± 60 m, 01.v.2011, R.S. Anderson [leg.], #2011-008, 1350 m, Wet Cloud Forest, ex sifted leaf litter.

Octostruma obtusidens Longino, 2013b: 44. Paratype: 1W, COSTA RICA, Heredia, La Selva Biological Station, 10.43333 -84.01667 ± 1.5 km, 16.iii.1993, J. Longino #3390, 50 m, Wet Forest, nest under dead wood.

Octostruma rugiferoides Brown & Kempf, 1960: 200. Paratype: 1W, MEXICO, Vera Cr[uz], n[ca]r Tetzonapa, Pueblo Nuevo, 07.viii.[19]53, E.O. Wilson [leg.], #B.F., Rainforest.

Octostruma stenognatha Brown & Kempf, 1960: 196. Holotype: 1W, Paratypes: 3W, [BRAZIL], S[ão] P[aulo], Agudos, 23.i.1955, W.[W.] Kempf [leg., Coll. Kempf] #1334. Paratypes: 1W, [BRAZIL], S[ão] P[aulo], Agudos, 25.i.1955, W.[W.] Kempf [leg., Coll. Kempf] #1341. 1W, [BRAZIL], S[ão] P[aulo], Agudos, 30.i.1955, W.[W.] Kempf [leg., Coll. Kempf] #1358. 2W, [BRAZIL], S[ão] P[aulo], Agudos, 04.iii.1955, W.[W.] Kempf [leg., berl[Berlese-Tullgren funnels]. 1W 1G, [BRAZIL], S[ão] P[aulo], Agudos, 08.xi.1955, W.[W.] Kempf [leg., Coll. Kempf] #1456. Dealted gyne. 3W, [BRAZIL], S[ão] P[aulo], Agudos, 26.xi.1955, W.[W.] Kempf [leg., Coll. Kempf] #1477. One worker missing gaster; one worker with disarticulated head glued on the triangle. 1W, [BRAZIL], S[ão] P[aulo], Agudos, 04.xii.1955, W.[W.] Kempf [leg.]. 5W 1E, [BRAZIL], S[ão] P[aulo], Cantareira, 01.iii.1959, [W.W.] Kempf [& V. dos] Santos [leg., Coll. Kempf] #2985. 1E, [BRAZIL], S[ão] P[aulo], Cantareira, 25.ii.1959, [W.W.] Kempf [& V. dos] Santos [leg., Coll. Kempf] #2946. 1W, [BRAZIL], S[anta] C[atarina], [Passo] Bormann, xii.1957, F. Plaumann [leg.]. 1W, [BRAZIL], S[anta] C[atarina], Chapecó, xii.1957, F. Plaumann [leg.]. 2W 1E, BRASLIEN [BRAZIL], Santa Catarina, Nova Teutônia, 27°11'B 52°23'L, iv.1954, Fritz Plaumann [leg.], Coll. Kempf #2647. 1W, BRASLIEN [BRAZIL], Santa Catarina, Nova Teutônia, 27°11'B 52°23'L, xi.1957, Fritz Plaumann [leg.]. 4W, BRASLIEN [BRAZIL], Santa Catarina, Nova Teutônia, 27°11'B 52°23'L, i.1957, Fritz Plaumann [leg.]. 1W, [BRAZIL], S[anta] C[atarina], Seara, vii.1958,

[F. Plaumann leg., Coll. Kempf] #2692. 1W, [BRAZIL], S[anta] C[atarina], Seara, viii.1958, [F. Plaumann leg., Coll. Kempf] #2747. 2W, [BRAZIL, Rio de Janeiro], Itatiaia [Itatiaia], 1936, J.F. Zikán [leg.], Coll. Borgm. #5880.

Octostruma triangulabrum Longino, 2013b: 52. Paratype: 1W, MEXICO, Chiapas, Nahá, 16.96313 -91.59337 ± 50 m, 08.vi.2008, LLAMA #Wa-A-07-1-06, 985 m, Mesophyll Forest, ex sifted leaf litter.

Octostruma triquetrilabrum Longino, 2013b: 53. Paratype: 1W, COSTA RICA, Alajuela Prov[ince], Rio Peñas Blancas, 10°19'N 84°43'W, 23.v.1990, J. Longino #2701-s, 800 m, Wet Forest ex sifted leaf litter.

Octostruma trithrix Longino, 2013b: 54. Paratype: 1W, MEXICO, Chiapas, 8 km SE[Southeast of] Salto de Agua, 17.51442 -92.29500 ± 50 m, 14.vi.2008, LLAMA #Wa-A-08-1-05, 70 m, 2° Wet Forest, ex sifted leaf litter.

Rhopalothrix wheeleri Mann, 1922: 43. Type[Holotype]: 1W, GUAT[EMALA], Livingston, 6.5, [H.S.] Barber & [E.A.] Schwarz cols., #24462. Worker with disarticulated L1 and missing A1. Combination in *Octostruma* by Brown, 1949b: 92.

Genus *Rhopalothrix* Mayr, 1870: 415

Rhopalothrix acutipilis Kempf, 1962: 28. Holotype: 1G, BRASILIEN [BRAZIL, Santa Catarina], Nova Teutônia, 27°11'B 52°23'L, v.1960, Fritz Plaumann [leg.], 300-500 m. Gyne with disarticulated L1 and missing L2, L4. Junior synonym of *Rhopalothrix plaumanni* (Brown & Kempf, 1960: 235) by Longino & Boudinot, 2013: 315.

Rhopalothrix plaumanni Brown & Kempf, 1960: 235. Holotype: 1W, BRASILIEN [BRASIL, Santa Catarina], Nova Teutônia, 27°11'B 52°23'L, v.1960, Fritz Plaumann [leg.], 300-500 m. Senior synonym of *Rhopalothrix acutipilis* (Kempf, 1962: 28) by Longino & Boudinot, 2013: 315.

Tribe Blepharidattini

Genus *Blepharidatta* W.M. Wheeler, 1915: 484

Blepharidatta brasiliensis W.M. Wheeler, 1915: 484. Syntype: 1W, [BRAZIL], Pa[rá], Belém, 15.v.1915, C.W. Beebe [leg.]. Worker with disarticulated postpetiole and gaster.

Blepharidatta conops Kempf, 1967: 355. Holotype: 1W, Paratypes: 3W, [BRAZIL], MT[the correct locality is Mato Grosso do Sul/MS], Três Lagoas, 28.v.1964, [K. Lenko leg.], Exp[dição do] Depto[Departamento de] Zool[ogia], #4131.

Genus *Wasmannia* Forel, 1893: 383

Wasmannia scrobifera Kempf, 1961a: 512. Holotype: 1W, SURINAM, Poeroe man Kemisa, ix.1959, J.V.[van der] Drift col., 2-XXIa-9, [Pitfall trap].

Wasmannia williamsoni Kusnezov, 1952a: 181. Syntypes: 2W, ARGENTINA, La Pampa [Province], General Pico, [Coll.] Kuzn. #6060. One worker missing L3. Comments: The MZSP ant collection has one worker of *Wasmannia auropunctata* var. *nigricans* Emery, 1906: 160 labeled as syntype [BRAZIL, Espírito Santo, Pto[Porto do] Cachoeira[o][Santa Leopoldina], i.1906, E. Garbe leg., MP #2265]. As the original publication informs “Paraguay” for type locality, we do not consider this a type specimen.

Tribe Crematogastrini

Genus *Crematogaster* Lund, 1831: 132

Crematogaster amapaensis Kempf, 1960c: 394. Holotype: 1W, [BRAZIL], Terr[itório do] Amapá, Rio Felício, 25.vii.1959, J. Lane col. Missing L2, L6.

Crematogaster arcuata var. *aruga* Forel, 1913: 234. Cotypes[Syntypes]: 9W, [BRAZIL], E[spirito] S[anto], Pto[Porto do] Cachoeira[o][Santa Leopoldina], 1912, E. Garbe [leg.], MP #16.787, Coll. Borgm. #2087. One worker only with gaster. Junior synonym of *Crematogaster arcuata* Forel, 1899: 84 by Longino, 2003: 35.

Crematogaster barbouri Weber, 1934: 24. Cotypes[Syntypes]: 3W, CUBA, Cienfuegos, Soledad, Seboruco, Limones, 22.viii.1933, N.A. Weber [leg.], #30. Junior synonym of *Crematogaster cubaensis* Mann, 1920: 425 by Longino, 2003: 132.

Crematogaster bingo Forel, 1908: 368. Cotypes[Syntypes]: 12W, [BRAZIL], S[ão] P[aulo], Santo André, Alto da Serra[Paranapiacaba], 15.x.1906, [H.] Lüderwaldt [leg.], MP #5599. One worker only with gaster.

Crematogaster brasiliensis var. *cocciphila* Borgmeier, 1934: 102. Cotypes [Paratypes]: 1G 7W, [SU-

RINAM], Paramaribo, [G.H.] Buenzli[Bünzli leg.], #10, [Coll. Borgm.] #5445. Dealated gyne; one worker missing head, L1. Junior synonym of *Crematogaster brasiliensis* Mayr, 1878: 875 by Longino, 2003: 37.

Crematogaster brevispinosa st. *malevolens* Santschi, 1919: 41. Syntype: 1W, [ARGENTINA], Corrientes, San Roque, T. Bos [leg., Coll. Borgm.] #3869. Raised to species by Longino, 2003: 131. Junior synonym of *Crematogaster rochai* Forel, 1903: 255 by Wild, 2007: 52.

Crematogaster brevispinosa subsp. *montana* Borgmeier, 1939: 421. Syntypes: 6W, [BRAZIL], R[io] de J[aneiro], Petrópolis, 1918, T. Borgmeier [leg.], Coll. Borgm. #10, [original publication says “sobre árvores” (on trees)]. Two workers missing L3; one worker missing L1, L4; one worker missing L5, L6. Raised to species by Longino, 2003: 131.

Crematogaster brevispinosa r. *recurvispina* Forel, 1912b: 212. Syntype: 1W, [BRAZIL], Rio de Janeiro, GB[Guanabara], Inst[ituto de] Biol[ogia] Rio, A.J. Sampaio [leg.], Coll. Borgm. #4246. Missing L3. Junior synonym of *Crematogaster crinosa* Mayr, 1862: 767 by Longino, 2003: 49.

Crematogaster brevispinosa r. *sampaioi* Forel, 1912b: 213. Cotypes[Syntypes]: 1G 1W, BRÉSIL[BRAZIL], Rio de Janeiro, Campos, Inst[ituto de] Biol[ogia] Rio, A.J. Sampaio [leg.], Coll. Borgm. #4249. Junior synonym of *Crematogaster crinosa* Mayr, 1862: 767 by Longino, 2003: 49.

Crematogaster brevispinosa var. *subtonsa* Santschi, 1925b: 229. Syntypes: 4W, [BRAZIL], M[inas] G[erais], vi.1912, E. Garbe [leg.], MP #20.678, Coll. Borgm. #2276. Raised to species by Longino, 2003: 131.

Crematogaster browni Buren, 1968: 100. Paratypes: 6W, [UNITED STATES OF AMERICA], Ariz[ona], Oracle, 11.iii.[19]19, W.M. Wheeler collection. One worker with damaged head.

Crematogaster bruchi Forel, 1912b: 219. Cotype[Syntype]: 1W, ARGENTINA, Prov[ince] San Luis, C. Bruch [leg.]. 1W, ARGENTINA, Prov[ince] Tucumán, [San Luiz], C. Bruch [leg., MP] #20.831.

Crematogaster colei Buren, 1968: 108. Paratypes: 6W, [UNITED STATES OF AMERICA], N[ew] Mex[ico], 15 mi[les] N[orth] of Ruidosa, 21.vii.1957, W.F. Bauren [leg.].

Crematogaster cristata Santschi, 1929: 294. Syntypes: 5W, [BRAZIL], R[io] de J[aneiro], 1918, T. Borgmeier [leg.], Reichensperger coll[ection]

- #20, Coll. Borgm. One worker only with petiole, postpetiole and gaster only; one worker missing A2. Senior synonym of *Crematogaster terricola* Borgmeier, 1929: 210 by Kempf, 1968: 384.
- Crematogaster distans* Mayr, 1870: 402. Paratype: 1W, [COLOMBIA], Coll[ection] G. Mayr. Senior synonym of *Crematogaster cordinoda* Forel, 1914a: 12, *Crematogaster distans* r. *paraensis* Forel, 1904: 37, *Crematogaster distans* subsp. *parviceps* Forel, 1908: 369, *Crematogaster distans* subsp. *vanda* Borgmeier, 1929: 209, *Crematogaster peusnerae* Forel, 1912b: 218 by Kempf, 1968: 390. Senior synonym of *Crematogaster descolei* Kusnezov, 1949: 587 by Longino, 2003: 59. Comment: Paratype locality is not registered on the label, this information was obtained on Bolton's Catalog (2013, 2014).
- Crematogaster distans* r. *paraensis* Forel, 1904: 37. Syntype: 1W, [BRAZIL], Pará, [1906], (Goeldi), nº 2, MP #3358. Junior synonym of *Crematogaster distans* Mayr, 1870: 402 by Kempf, 1968: 390.
- Crematogaster distans* subsp. *parviceps* Forel, 1908: 369. Syntypes: 10W, [BRASIL], S[ão] P[aulo], S[ão] Paulo, Ipiranga, [21.iii.]1906, [J.] Lima leg., MP #2421. One worker lost; one worker missing head, L2, L4, L6; two workers only with petiole, postpetiole and gaster. Junior synonym of *Crematogaster distans* Mayr, 1870: 402 by Kempf, 1968: 390.
- Crematogaster distans* subsp. *vanda* Borgmeier, 1929: 209. Syntypes: 5W, [BRAZIL], Rio de Janeiro, Niterói, xii.1921, Vanda Bartoldy [leg.], Coll. Borgm. #237. Junior synonym of *Crematogaster distans* Mayr, 1870: 402 by Kempf, 1968: 390.
- Crematogaster evallans* var. *carbonescens* Forel, 1913: 233. Cotypes[Syntypes]: 9W, BRAZIL, Espirito Santo, Pto[Porto do] Cachoeira[o][Santa Leopoldina], 1912, E. Garbe leg., MP #16.795. One worker only with petiole, postpetiole and gaster; one worker missing A1, L1 tibia and tarsi; one worker with disarticulated gaster glued on the triangle. Junior synonym of *Crematogaster evallans* Forel, 1907: 6 by Longino, 2003: 66.
- Crematogaster iheringi* Forel, 1908: 366. Syntypes: 10W, [BRAZIL], S[ão] Paulo, [São Paulo], Ipiranga, 1906, [H.] Lüderwaldt [leg.], MP #2382, Coll. Borgm. #2067. Three workers only with gaster; one worker with damaged head.
- Crematogaster indefensa* Kempf, 1968: 388. Holotype: 1W, Paratypes: 2G 1W, BOLIVIA, Chaparé, Villa Tunari, P. Wygodzinski [leg.], ML #10312, 1000 m. One gyne missing W2, W3, W4; one dealated gyne.
- Crematogaster isolata* Buren, 1968: 106. Paratypes: 6W, [UNITED STATES OF AMERICA], Texas, Davis Mts, N[orth] of McDonald Observatory, 14.x.1959, W.F. Buren [leg.]. One worker missing A2 funiculus.
- Crematogaster magnifica* Santschi, 1925b: 234. Syntypes: 4W, [BRAZIL], Paraná, Rio Negro, [P.] M. Witte [leg.], Coll. Reichensperger, Coll. Borgm. #554. Senior synonym of *Crematogaster magnifica* var. *nociva* Borgmeier, 1937: 234 by Kempf, 1968: 385.
- Crematogaster magnifica* var. *nociva* Borgmeier, 1937: 234. Cotypes[Syntypes]: 1G 2W, [BRAZIL], Bahia, Água Preta, [Estação Geral de Experimentação do Instituto de Cacao da Bahia, iii.1936, G.] Bondar [leg.], Coll. Bondar #2007, Coll. Borgm. #5785. Gyne missing W1. Junior synonym of *Crematogaster magnifica* Santschi, 1925b: 234 by Kempf, 1968: 385.
- Crematogaster montezumia* var. *functa* Forel, 1911: 300. Syntypes: 7W, [BRAZIL] S[ão] P[aulo], Cubatão, xii.1907, [H.] Lüderwaldt [leg.], MP #10.427, Coll. Borgm. #2085. One worker missing head; one worker only with gaster. Junior synonym of *Crematogaster montezumia* F. Smith, 1858: 139 by Kempf, 1968: 386.
- Crematogaster mutans* Buren, 1968: 115. Paratypes: 6W, [UNITED STATES OF AMERICA], Nevada, Carson City, between Reno, 09.viii.1957, W.F. Buren [leg., under rocks, edge of desert].
- Crematogaster navajoa* Buren, 1968: 102. Paratypes: 6W, [UNITED STATES OF AMERICA], Ariz[ona], Seligman, 16.viii.1958, W.F. Buren [leg.]. One worker missing A1; one worker missing A2 funiculus.
- Crematogaster rifelna* Buren, 1968: 96. Paratypes: 6W, [UNITED STATES OF AMERICA] Texas, Riviera, 23.ix.1942.
- Crematogaster rochai* Forel, 1903: 255. Cotypes[Syntypes]: 1M 1W, [BRAZIL], Ceará, [1906, M.F. Diaz] Rocha [leg., MP] #3356. Male missing A1, part of A2; worker missing A1. Senior synonym of *Crematogaster brevispinosa* st. *malevolens* Santschi, 1919: 41 by Wild, 2007: 52.
- Crematogaster scelerata taperensis* Borgmeier, 1937: 234. Syntypes: 2W, [BRAZIL], Pernambuco, Tapera[Train Station, Municipality of Moreno], 16.x.1927, [D.]B. Pickel [leg.], #850, Coll. Borgm. #3114. One worker missing head. 2W,

[BRAZIL], Pernambuco, Tapera[Train Station, Municipality of Moreno], [D.]B. Pickel [leg.], #3285, Coll. Borgm. #5818. 2G 2W, [BRAZIL], Pernambuco, Tapera[Train Station, Municipality of Moreno], ix.1927, [D.]B. Pickel [leg.], #801/2, Coll. Borgm. #1708. 4W, [BRAZIL], Pernambuco, Tapera[Train Station, Municipality of Moreno], 02.viii.1927; [D.]B. Pickel [leg.], #764.

Crematogaster virgula Forel, 1899: 85. Syntype: 1W, COSTA RICA, Coll. Borgm. #3859. Missing L3. Junior synonym of *Crematogaster erecta* Mayr, 1866: 902 by Kempf, 1968: 381. Comments: (1) The collection houses five specimens (1G 4W) from ARGENTINA, Province San Luiz, 1915, C. Bruch leg., MP #20.832, labeled as cotypes of *Crematogaster brevispinosa* r. *moelleri* var. *tucumanensis* Forel, 1914b: 271. However, we do not consider them as types since Bolton (1995: 164) registered this as unavailable name. (2) The collection also has five specimens labeled as syntypes of *Crematogaster bucki* (1M 4W) from BRAZIL, Rio Grande do Sul, Porto Alegre, Glória, 19.v.1926, P. Pio Buck S.J. leg., #106, Coll. Borgm. #1087, as this is an in-existent name we do not consider these specimens as types.

Tribe Formicoxenini

Genus *Nesomyrmex* W.M. Wheeler, 1910: 259

Leptothorax argentinus Santschi, 1922a: 251. Syntype: 1W, RÉP[UBLIQUE] ARGENTINE, Chaco de Santiago del Estero, Icaño (Rio Salado), E.R. Wagner [leg.], Museum de Paris, Sammlung, Dr. F. Santschi, Kairouan. Disarticulated mesosoma, postpetiole and gaster, missing petiole. Combination in *Nesomyrmex* by Bolton, 2003: 272.

Leptothorax brasiliensis Kempf, 1958: 92. Holotype: 1W, Paratypes: 1G 5W, [BRAZIL], Pe[rnambuco], Caruaru, xii.1927, [D.]B. Pickel [leg.], Coll. Borgm. #3187. Dealated gyne missing L3, L4, L5; one worker only with postpetiole and gaster; one worker missing A1, A2, L3, L5, L6, postpetiole, gaster. Combination in *Nesomyrmex* by Bolton, 2003: 272.

Leptothorax itinerans Kempf, 1959: 407. Paratypes: 1G 2W, VENEZUELA, 12.v.1954, [all taken on orchids] *Cattleya* [at] Hoboken [NJ], A138397, USNM 54-6513. Dealated gyne; one

worker with disarticulated head. Combination in *Nesomyrmex* by Bolton, 2003: 272.

Leptothorax mirassolis Diniz, 1975: 79. Holotype: 1W, Paratypes: 4W, [BRAZIL], S[ão] P[aulo], Mirassol, Grota, 2ª represa, 01.viii.1972, J. Diniz [leg.], #517, #10806, em caule oco de *Piper aduncum*. Holotype worker with disarticulated head. Paratype: 1G, [BRAZIL], S[ão] P[aulo], Agudos, [Seminário de Santo Antônio], 26.i.1955, W.[W.] Kempf [leg., Coll. Kempf] #1349, [original publication says “atraída pela luz” (caught with light trap)]. Combination in *Nesomyrmex* by Bolton, 2003: 272.

Leptothorax pleuriticus Kempf, 1959: 417. Syntypes: 1G 1W, B. GUI.[GUYANA], Kartabo, 03.ix.1920, W.M. Wheeler [leg.], #751, in petiole of *Tachigalia*, #MCZ[C] 22-406. Gyne missing L5. Combination in *Nesomyrmex* by Bolton, 2003: 272. Comment: The first use of the name *pleuriticus* – *L. echinatinodis aculeatinodis pleuriticus* W.M. Wheeler, 1921: 158 – nowadays is considered an unavailable name (Bolton, 2013, 2014).

Leptothorax rutilans Kempf, 1958: 100. Paratype: 1W, B. GUI.[GUYANA], Kartabo, 19.viii.1920, W.M. Wheeler [leg.], #543. Combination in *Nesomyrmex* by Bolton, 2003: 272. Comment: The MZSP ant collection has nine workers from the paratype locality labeled as matatypes and nidotypes.

Leptothorax schwebeli Forel, 1913: 216. Syntypes: 6W, Cotype[Syntype]: 1W, [BRAZIL], S[ão] P[aulo], S[ão] Paulo, Parque Cajuru, ix.1912, [E.] Schwebel [leg.], Mus. Paul.[MP] #17.311, Coll. Borgm. #2089, M2, M3. Two workers missing A1 funiculus; one worker missing A1, L4; two workers only with postpetiole and gaster. Combination in *Nesomyrmex* by Bolton, 2003: 272.

Leptothorax timidus Kempf, 1959: 420. Paratypes: 2W, [VENEZUELA], 23.x.1944, Hoboken NJ, #3908, on *Cattleya pseudobulb*, Hoboken, USNM 25380, 44-25380. One worker with disarticulated postpetiole and gaster. Junior primary homonym of *Leptothorax convexus timidus* Santschi, 1912: 148 (now in *Temnothorax*). Replacement name *brimodus* by Bolton, 1995: 236. Combination in *Nesomyrmex* by Bolton, 2003: 272.

Leptothorax tonsuratus Kempf, 1959: 412. Paratypes: 1G, [BRAZIL], R[io] de J[aneiro], P[or]to d[as] Caixas, iii.1928, O. Conde [leg.], Coll. Borgm. #3671. Gyne missing mesosoma, the

others body parts are glued on the triangle. 1G, MEX[ICO], at Brownsv[ille] Tex., with orchids, Allen col., 10.xii.1956. Missing head. Combination in *Nesomyrmex* by Bolton, 2003: 272.

Leptothorax umbratilis W.M. Wheeler, 1921: 160. Syntype: 1W, B.G.[GUYANA], Penal Settlementm, near Bartica, 10.viii.1920, W.M. Wheeler [leg.], #542, in petiole *Tachigalia* sp., #MCZ[C] 22-9-04. Disarticulated head. Junior synonym of *Nesomyrmex spininodis* (Mayr, 1887: 617) by Kempf, 1959: 427.

Genus *Ochetomyrmex* Mayr, 1878: 871

Wasmannia subpolita W.M. Wheeler, 1916a: 8. Syntypes: 3W, BRIT. GUIANA[GUYANA], Kauwa Creek, Roraima, 18.viii.1911, H.E. Crampton [leg.]. Combination in *Ochetomyrmex* by Kempf, 1961a: 511. Junior synonym of *Ochetomyrmex semipolitus* Mayr, 1878: 872 by Fernández, 2003a: 638. Comments: The MZSP ant collection has four specimens of *Ochetomyrmex mayri* Forel, 1908: 360 [Syntypes: 4W, BRAZIL, Rio Grande do Sul, Porto Alegre, i.1906, J. Paldorff leg., MP #2349], as the original publication report “São Paulo” for type locality, we do not consider these as type specimens.

Genus *Temnothorax* Mayr, 1861: 68

Macromischa azteca W.M. Wheeler, 1931: 8. Cotypes[Syntypes]: 3W, [MEXICO], Mirador, 26.x.[19]29, [illegible], #MCZ[C] 810, #16357. Combination in *Leptothorax* by Baroni Urbani, 1978: 425. Senior synonym of *Leptothorax maya* (Wheeler, 1937) by Baroni Urbani, 1978: 425. Combination in *Temnothorax* by Bolton, 2003: 271.

Leptothorax emmae Mackay, 2000: 342. Paratypes: 2W, [UNITED STATES OF AMERICA], N[ew] M[exico], Hidalgo Co[unty], Pelloncillo M[ount]ain[s], Cor[onado], 31°30'58"N 109°00'04"N, 21.iii.[19]98, [W.] Mackay fam[ily] #17975, NF 51KSW, plant cavity. 1W, [UNITED STATES OF AMERICA], N[ew] M[exico], Hidalgo Co[unty], Cloverdale Creek, Coronado, 31°26'25"N 108°58'29"W, 19.iii.[19]98, [W.] Mackay fam[ily] #17925. Combination in *Temnothorax* by Bolton, 2003: 271.

Leptothorax josephi Mackay, 2000: 349. Paratype: 1W, UNITED STATES [OF AMERICA], New Mexico, Socorro Co[unty], near M[ou]

nt Wit[h]ington, 33°48'32.2"N 107°22'57.2W, 07.viii.1994, W. Mackay #16952, 2185 m. Combination in *Temnothorax* by Bolton, 2003: 271.

Leptothorax lindae Mackay, 2000: 356. Paratypes: 2W, UNITED STATES [OF AMERICA], California, Tulare Co[unty], Sequoia Nat[ional] Park, 36°35'3.0"N 118°44'27.8"W, Wolverton C[ampground], 08.vii.[19]98, Mackay fam[ily] #18413, soil and mound. Combination in *Temnothorax* by Bolton, 2003: 271. Junior synonym of *Temnothorax nevadensis* (W.M. Wheeler, 1903: 248) by Ward, 2005: 16.

Macromischa melanocephala W.M. Wheeler, 1931: 15. Cotypes[Syntypes]: 3W, CUBA, Ensenada de Cochinos, 05.x.[19]29, [J.G.] Myers [leg.], #MCZ[C] 11-13, #16365. Junior secondary homonym of *Leptothorax melanocephalus* Emery, 1870: 197. Replacement name *nigricans* by Baroni Urbani, 1978: 467. Combination in *Temnothorax* by Bolton, 2003: 271.

Leptothorax melinus Mackay, 2000: 368. Paratypes: 2W, [UNITED STATES OF AMERICA], N[ew] M[exico], Socorro Co[unty], Bear Trap C[anyon], 42.7K 133°, Datil., 33°50'13.0" 107°34'04.5", 06.viii.1994, W. Mackay #16889, 2286 m, nest under log. Combination in *Temnothorax* by Bolton, 2003: 271. Junior synonym of *Temnothorax nitens* (Emery, 1895: 322) by Ward, 2005: 17.

Leptothorax punctaticeps Mackay, 2000: 388. Paratype: 1W, MEX[ICO], N[uevo] L[eón], 61K NE[Northeast], 10.vi.1988, Dr. Arroyo, W. Mackay #11004, 2540 m, collected in log/stump. Combination in *Temnothorax* by Bolton, 2003: 272.

Macromischa squamifera var. *atrinodis* Mann, 1920: 412. Syntypes: 3W, CUBA, Trinidad Mts, Mina Carlota, 1917, W.M. Mann [leg.]. One worker missing L2. Junior synonym of *Macromischa squamifera* Roger, 1863: 186 by W.M. Wheeler, 1931: 21; Baroni Urbani, 1978: 508. Combination in *Temnothorax* by Bolton, 2003: 271.

Leptothorax whitfordi Mackay, 2000: 421. Paratypes: 2W, [UNITED STATES OF AMERICA], N[ew] M[exico], Eddy Co[unty], Guadalupe M[ount]ain[s], 5.3 km SE[Southeast], Sitting Bull Falls, 32°12'15"N 104°40'23"W, 31.viii.[19]97, W. [MacKay] & E. MacKay #17575, 1559 m, on branch. One worker missing A1, L2, L3 tibia; one other worker missing head. Combination in *Temnothorax* by Bolton, 2003: 272.

Tribe Lenomyrmecini

Genus *Lenomyrmex* Fernández & Palacio, 1999: 8

Lenomyrmex foveolatus Fernández & Palacio, 1999: 13. Paratype: 1W, COLOMBIA, Valle Darién, Cuenca Media Calima, Rio Azul [Camp], [03°57'N 76°42'W], 23Abr94[23.iv.1994], R. Aldana [leg.], 550 [m].

Lenomyrmex mandibularis Fernández & Palacio, 1999: 8. Paratypes: 2W, COLOMBIA, Nariño, Res[erva] La Planada, C[atalina] Estrada, [01°05'N 77°24'W, 01.iii.1995], 1800 m, [Montane Rainforest]. One worker missing L3 and L5 both 2° to 5° tarsus; one worker missing head, L2 tarsi, L4 tibia and tarsi glued on the triangle.

Lenomyrmex wardi Fernández & Palacio, 1999: 10. Paratype: [lost specimen], COLOMBIA, Nariño, Barbacoas, RN[National Reserve] Rio Nambi, 01°17'N 78°15'W, [01.v.1995, F. Escobar leg., #204], 1300 [m], Interior Bosque, bh-T. Pin labeled but without specimen or triangle. Comment: According the original publication, one worker from the same series of the holotype [ECUADOR, Pichincha] should be deposited in the MZSP. But, we received just a pinned paratype label that should be deposited at CUIC, LACM, NHMV, USNM or MNHG.

Tribe Myrmicini

Genus *Hylomyrma* Forel, 1912c: 16

Hylomyrma blandiens Kempf, 1961a: 500. Holotype: 1W, SURINAM, Dirkshoop, v.1959, 27-IIIcd-10, I[J.] v[an] d[er] Drift col., [soil sample from primary forest]. Missing L4 femur to tarsi. Paratype: 1G, SURINAM, La Poulle, viii.1959, 31-XIVb-8, I[J.] v[an] d[er] Drift col., [soil sample from shrub on sand]. Dealate gyne.

Hylomyrma dolichops Kempf, 1973: 239. Paratypes: 1G 3W, COLOMBIA, Amaz[onas], 7 km NW[Northwest of] Leticia, 20-25Feb1972[20-25.ii.1972], S. [Peck] & J. Peck [leg.], #230, forest litter, Berlesate[Berlese-Tullgren funnels]. Dealated gyne.

Hylomyrma immanis Kempf, 1973: 241. Paratypes: 7W, COLOMBIA, Amaz[onas], 7 km NW[Northwest of] Leticia, 20-25Feb1972[20-25.ii.1972], S. [Peck] & J.

Peck [leg.], #230, forest litter, Berlesate[Berlese-Tullgren funnels]. One worker coated with gold; one worker missing L6 tibia and tarsi.

Hylomyrma longiscapa Kempf, 1961a: 498. Holotype: 1W, SURINAM, Dirkshoop, v.1959, 10-IIIa-2, I[J.] v[an] d[er] Drift col., [pitfall trap catch in primary forest]. Comment: The paratype collected near Vank, Surinam, is not in the Kempf collection, now MZSP, but in MCZC (Kempf, 1973).

Hylomyrma praepotens Kempf, 1973: 245. Paratypes: 3W, COLOMBIA, Amaz[onas], 7 km NW[Northwest of] Leticia, 20-25Feb1972[20-25.ii.1972], S. [Peck] & J. Peck [leg.], #230, forest litter, Berlesate[Berlese-Tullgren funnels]. 3W, COLOMBIA, Meta, Villavicencia[o], 01-04.iii.1972, S. [Peck] & J. Peck [leg.], #233, forest litter, Berlesate[Berlese-Tullgren funnels]. One worker coated with gold.

Hylomyrma sagax Kempf, 1973: 249. Paratypes: 3W, COLOMBIA, Amaz[onas], 7 km NW[Northwest of] Leticia, 20-25Feb1972[20-25.ii.1972], S. [Peck] & J. Peck [leg.], #230, forest litter, Berlesate[Berlese-Tullgren funnels]. One worker missing L1 2° to 5° tarsus, L2 tarsi.

Lundella speciosa Borgmeier, 1937: 241. Syntypes: 3W, [BRAZIL, Rio de Janeiro], Itayaia[Itatiaia], 1936, J.F. Zikán [leg.]. One worker missing A1. *Lundella* as junior synonym of *Hylomyrma* by Brown, 1953: 3. Junior synonym of *Hylomyrma balzani* (Emery, 1894: 165) by Kempf, 1960a: 434.

Hylomyrma transversa Kempf, 1973: 250. Paratype: 1W, PERU, [Loreto], Islandia, 23.ix.1962, W.L. Brown [leg.], Varzia litter. Missing postpetiole, gaster.

Hylomyrma versuta Kempf, 1973: 253. Paratype: 1W, MEX[ICO], Vera Cr[Veracruz], Pueblo Nuevo, nr[near] Tetzonapa, 14Aug53[14.viii.1953], E.O. Wilson [leg.], #221, Rainforest. 5W, BRIT. HONDURAS[BELIZE], Caves Branch, viii.1972, S. [Peck] & J. Peck [leg.]. One worker missing A1 three-segmented clava; one worker missing L3 trochanter to tarsi; one worker missing L3 and L5 both trochanter to tarsi. 1W, BRIT. HONDURAS[BELIZE], Humming Bird Pass, 27 mi[les] NW[Northwest of] Stann Creek, 19.viii.1972, S. [Peck] & J. Peck [leg.], #246, forest litter, Berlesate[Berlese-Tullgren funnels]. 2G 5W, BRIT. HONDURAS[BELIZE], Belmopan, B-244, 07.viii.1972, S. [Peck] & J. Peck [leg.], Second Growth Forest. One dealate gyne.

Genus *Myrmica* Latreille, 1804: 179

Myrmica sabuleti trullicornis Buren, 1944: 281. Paratype: 1W, [UNITED STATES OF AMERICA], Iowa, Ames, 5Aug1939[05.viii.1939], W. Buren [leg., from woodland colonies]. Junior synonym of *Myrmica sabuleti americana* Weber, 1939: 144 by Weber, 1948: 288. Revived from synonymy as subspecies of *Myrmica hamulata trullicornis* Buren, 1944 by Creighton, 1950: 99.

Genus *Pogonomyrmex* Mayr, 1868: 169

Pogonomyrmex cunicularis var. *carnivora* Santschi, 1925a: 155. Type[Syntype]: 1W, ARGENTINE[ARGENTINA, Santa Fe], Fives Lille, Weiser [leg., Coll. Borgm.] #3882. Missing tarsi of L1, L4, L5 and L6, L3 tibia and tarsi. Junior synonym of *Pogonomyrmex cunicularius* Mayr, 1887: 613 by Kusnezov, 1951: 251. Revived from synonymy and raised to species by G.C. Wheeler & J. Wheeler, 1972: 236. Junior synonym of *Pogonomyrmex cunicularius* Mayr, 1887: 613 by Bolton, 1995: 340.

Pogonomyrmex lobatus Santschi, 1921: 96. Cotype[Syntype]: 1W, [ARGENTINA], Entre Rios, Villaguay, [C.] Bruch [leg., Coll. Borgm.] #3817. Missing L2 femur to tarsi, L4, L5.

Pogonomyrmex marcosi Kusnezov, 1951: 260. Syntypes: 3W, BOLIVIA, Cochabamba, 04.v.1946, H. Marcus [leg.]. One worker missing L1 trochanter to tarsi, L2 tarsi, L3 tibia and tarsi.

Pogonomyrmex mendozanus Cuzzo & Claver, 2009: 101. Paratypes: 10W, R[EPUBLICA] ARGENTINA, Mendoza [Province, Department of Santa Rosa], Ñacuñán, 26.iii.1998, S. Claver col., nido excavado. One worker missing L5 tarsi, L6 tibia and tarsi; one worker missing L2 and L5 both tibia and tarsi, L6 tarsi; one worker with disarticulated gaster glued on the triangle; one worker missing L5 tarsi; one worker missing L6 tarsi.

Pogonomyrmex vermiculatus var. *variabilis* Santschi, 1916: 511. Cotype[Syntype]: 1W, ARGENTINE[ARGENTINA], Rio Negro, Coral Chico, [06.iii.]1915, Lehmann [leg., Coll.] Bruch #253, [Coll. Borgm.] #3885. Missing L1 trochanter to tarsi. Raised to species by Kusnezov, 1951: 253.

Pogonomyrmex weiseri Santschi, 1922b: 348. Type[Syntype]: 1W, [ARGENTINA], Catamarca, [Ampajanga, Valle Santa Maria or Caspichango, no date, V.] Weiser [leg., Coll. Borgm.]

#3818. Missing A2. Junior synonym of *Pogonomyrmex rastratus* Mayr, 1868: 171 by Kusnezov, 1951: 252.

Tribe Phalacromyrmecini

Genus *Phalacromyrmex* Kempf, 1960b: 89

Phalacromyrmex fugax Kempf, 1960b: 90. Holotype: 1W, [BRAZIL], SC[Santa Catarina], Ibicaré, vii.1959, F. Plaumann [leg.]. Missing L2 3° to 5° tarsus, L4 2° to 5° tarsus, L6 tarsi. Paratype: 1W, [BRAZIL], SC[Santa Catarina], Ibicaré, vii.1959, F. Plaumann [leg.]. Head broken in three parts glued on the paper, missing L5 2° to 5° tarsus.

Tribe Pheidolini

Genus *Aphaenogaster* Mayr, 1853: 107

Aphaenogaster honduriana Mann, 1922: 23. Cotypes[Syntypes]: 3W, HONDURAS, [Lombardia], San Juan Pueblo, W.M. Mann col., #USNM 24449.

Genus *Pheidole* Westwood, 1839: 219

Pheidole anastasioi var. *sospes* Forel, 1908: 381. Syntypes: 3S 4W, [BRAZIL, São Paulo], Ypiranga[Ipiranga], #5571. One soldier only with postpetiole and gaster. Raised to species and senior synonym of *Pheidole minutissima* Kusnezov, 1952b: 78 by Wilson, 2003: 509.

Pheidole angusta Forel, 1908: 373. Syntypes: 12S 10W, [BRAZIL], S[ão] P[aulo], Raiz da Serra, [H.] Lüderwaldt [leg.], 15.x.1906, MP #11.228, MP #5635. Two soldiers missing A1; one soldier missing A2; one worker missing A1 funiculus; one worker missing gaster; one soldier and one worker lost. Senior synonym of *Pheidole idulis* Forel, 1912b: 235 by Wilson, 2003: 167.

Pheidole arcifera Santschi, 1925b: 226. Syntype[Lectotype]: 1S, Syntypes[Paralectotypes]: 2S 2W, [BRAZIL], M[inas] G[erais], Pirapora, [E.] Garbe [leg.], MP #20.659. Lectotype missing L2; workers missing A1; one soldier only with postpetiole and gaster.

Pheidole bigote Longino, 2009: 13. Paratypes: 1S 1W, MEXICO, Chiapas, Playón de la Gloria, 16.15149°N 90.89689°W ± 16 m, 25.vi.2008,

- J. Longino #6396, 170 m, Wet Forest, nest in clay bank.
- Pheidole borgmeieri* Kempf, 1972: 461. Holotype: 1S, Paratypes: 3S 8W, [BRAZIL], SP[São Paulo], Juquitiba, BR-2[116] km 76 [São Paulo-Curitiba road], 01.x.1961, W.W. Kempf [leg., Coll. Kempf] #4737, [taken from sifted leaf-mold in woodland]. 1S 2W, [BRAZIL], SP[São Paulo], Juquitiba, BR-2[116] [São Paulo-Curitiba road], 07.viii.1960 [original publication says "08.viii.1960"], W.W. Kempf [leg., Coll. Kempf] #6977. 1S, [BRAZIL], S[ão] Paulo, [Serra da] Cantareira, 20.viii.1958, K. Lenko col., #584. 10W, [BRAZIL], S[ão] Paulo, [Serra da] Cantareira, 20.viii.1958, K. Lenko col., #583. 11S 9W, [BRAZIL], S[ão] Paulo, [Serra da] Cantareira, 20.viii.1958, K. Lenko col., #634.
- Pheidole branstetteri* Longino, 2009: 17. Paratypes: 1S 1W, MEXICO, Chiapas, Nahá, 16.97978°N 91.58544°W, 12.vi.2008, LLAMA #Ba-A-07-3-04-05, 860 m, Mesophil Forest, at bait. Missing L1 tibia, L3 tarsi.
- Pheidole camptostela* Kempf, 1972: 457. Holotype: 1S, Paratypes: 3S 2W, [BRAZIL], MT[Mato Grosso], Utiariti, Rio Papagaio, 12.xi.1966, [K.] Lenko & Pereira [leg.], DZSP #4969. 8S 4W, [BRAZIL], MT[Mato Grosso], Utiariti, Rio Papagaio, 27.x.1966, [K.] Lenko & Pereira [leg.], DZSP #4745.
- Pheidole carinote* Longino, 2009: 20. Paratypes: 1S, COSTA RICA, Puntarenas, 10 km, SW[Southwest], Pto.[Puerto] Jimenez, 8.46553°N 83.36928°W ± 30 m, 12.iii.2008, J. Longino #6197-s, 240 m, CASENT0601695. Postpetiole and gaster disarticulated. 1W, COSTA RICA, Puntarenas, 13 km SSW[South-southwest], Pto.[Puerto] Jimenez, 8.40667°N 83.328333°W ± 200 m, 10.iii.2008, J. Longino #6207-s, 130 m.
- Pheidole clydei* Gregg, 1950: 89. Paratypes: 1S 1W, [UNITED STATES OF AMERICA], Cali[ifornia], Split Mountain, 500'[feet], Anza-[Borrego] Desert St[ate] P[ar]k, 19.iv.1952, W.S. Creighton, received from Dr. R. Gregg 01.x.1954, Coll. Kempf. Soldier missing L1 tarsi.
- Pheidole cocciphaga* Borgmeier, 1934: 99. Syntypes: 3G 2S 2W, SURINAM, Paramaribo, 1932, [G.H.] Buenali[Bünzli leg.], n° 15, Coll. Borgm. #5460.
- Pheidole coffeicola* Borgmeier, 1934: 98. Lectotype: 1S, Syntypes [Paralectotypes]: 3G 5S 4W, SURINAM, Paramaribo, 1932, [G.H.] Buenzli[Bünzli leg.], n° 3, [Coll. Borgm.] #5459. Paralectotypes: one soldier missing A2; one soldier only with postpetiole and gaster; one soldier missing A1 funiculus; one worker missing A2.
- Pheidole cramptoni* W.M. Wheeler, 1916a: 4. Cotypes[Syntypes]: 3W, B.G.[GUYANA], Kartabo, vii-viii.1920, W.M. Wheeler collection, #22813. Senior synonym of *Pheidole petiolicola* W.M. Wheeler, 1921: 147 by Kempf & Brown, 1968: 97.
- Pheidole dinophila* Wilson, 2003: 408. Holotype: 1S, Paratypes: 2M 2W, BRASIL, M[at]o Grosso do S[ul], Campo Grande, 10 km E[ast, C.R.F.] Brandão & [C.G.] Froehlich [leg.], ex ninho *Dinoponera australis*. Paratypes: one male missing postpetiole, gaster. Paratypes: 1G 2M 6S 3W, BRASIL, S[ão] P[aulo], Itirapina, 10.vi.1993, R. Paiva col. Dealted gyne missing L3; one soldier missing A1, A2, petiole, postpetiole, gaster.
- Pheidole dyctiota* Kempf, 1972: 451. Holotype: 1S, Paratypes: 3G 15S 10W, BRASILIEN[BRAZIL], Nova Teutônia, 22°11'B 52°23'L, Fritz Plaumann [leg.], viii.1959, [Coll. Kempf] #3729. Dealted gyne. 1G 1S, BRASILIEN[BRAZIL], Nova Teutônia, 22°11'B 52°23'L, Fritz Plaumann [leg.], 04.v.1963, [Coll. Kempf] #3714. Dealted gyne missing head. 1G 1S, BRASILIEN[BRAZIL], Nova Teutônia, 22°11'B 52°23'L, Fritz Plaumann [leg.], i.1963, [Coll. Kempf] #3741. Dealted gyne. 1S 1W, BRASILIEN[BRAZIL], Nova Teutônia, 22°11'B 52°23'L, Fritz Plaumann [leg.], i.1957. 1S, BRASILIEN[BRAZIL], Nova Teutônia, 22°11'B 52°23'L, Fritz Plaumann [leg.], x.1957. 1G 1S, [BRAZIL, São Paulo], Grande SP[São Paulo], Serra dos Agudos, xi.1963, F. Plaumann [leg.], WWK[Coll. Kempf] #3938. Dealted gyne. 1W, [BRAZIL, São Paulo], Grande SP[São Paulo], Serra dos Agudos, xi.1963, F. Plaumann [leg.], WWK[Coll. Kempf] #3936. 1G 1S, BRASIL, D. Federal[Rio de Janeiro, Rio de Janeiro], Floresta da Tijuca, 16.xii.1959, C.A. Campos Seabra [leg.], Coleção Campos Seabra. Dealted gyne.
- Pheidole eidmanni* Menozzi, 1926: 69. Cotypes[Syntypes]: 2W, [BRAZIL], S[ão] P[aulo], Mogi das Cruzes, 1926, Escherich [leg.], Coll. Borgm. #4254.
- Pheidole embolopyx* Brown, 1968: 332. Paratypes: 1G 2S 1W, BRAZIL, Amazonas, Manaus, Itacoatiara, km 50, 24.viii.1962, M-60, W.L. Brown

- [leg.]. Dealated gyne missing A1, L2, L3, and L4 tarsi.
- Pheidole eowilsoni* Longino, 2009: 26. Paratypes: 1S 1W, COSTA RICA, Alajuela, Ref.[Casa] Eladio, Peñas Blancas, 10.31667°N 84.71667°W ± 2000 m, 02.iii.2008, J. Longino #6149, 800 m, Wet Forest, stream edge, nest in clay bank.
- Pheidole epiphyta* Longino, 2009: 29. Paratypes: 1S 1W, COSTA RICA, Alajuela, Ref.[Casa] Eladio, Peñas Blancas, 10.31667°N 84.71667°W ± 2000 m, 03.iii.2004, J. Longino #5284, 800 m, Wet Forest, nest under epiphytes.
- Pheidole flavens* st. *brevisetata* Santschi, 1919: 39. Paratypes: 2W, [ARGENTINA], Córdoba, [Alta Garcia], [C.] Bruch [leg.], #3849. Raised to species by Santschi, 1923b: 60.
- Pheidole fossimandibula* Longino, 2009: 33. Paratypes: 1S 1W, COSTA RICA, Alajuela, Ref. [Casa] Eladio, Peñas Blancas, 10.31667°N 84.71667°W ± 2000 m, 03.iii.2008, J. Longino #6156, 800 m, Wet Forest, nest in soil.
- Pheidole genalis* Borgmeier, 1929: 199. Syntypes: 1S 2W, [BRAZIL], M[inas] G[erais], Varginha, 10.iv.1927, T. Borgmeier [leg.], Coll. Borgm. #1474, [original publication says “erdnest” (nest in soil)]. Junior synonym of *Pheidole oxyops* Forel, 1908: 377 by Kempf, 1964: 58.
- Pheidole gibba* var. *lopesi* Borgmeier, 1937: 233. Syntypes: 6S 6W, [BRAZIL], DF[Rio de Janeiro], Rio de Janeiro, [Corcovado], viii.1935[1936], H.S. Lopes [leg., original publication says “em pão podre” (in rotten bread)], Coll. Borgm. #5764. One soldier only with petiole, postpetiole and gaster; one worker with disarticulated head. Junior synonym of *Pheidole gibba* Mayr, 1887: 590 by Kempf, 1972: 455.
- Pheidole guilelmimuelleri* subsp. *bucculenta* Forel, 1908: 379. Syntypes: 3S 6W, [BRAZIL], S[ão] P[aulo], Santo André, Alto da Serra[Paranapiacaba], 1906, [H.] Lüderwaldt [leg.], #5616. Raised to species by Wilson, 2003: 670.
- Pheidole gymnoceras* Longino, 2009: 34. Paratype: 1W, COSTA RICA, Heredia, 10 km NE[Northeast of] Vara Blanca, 10.23333°N 84.08333°W ± 2000 m, 09.ii.2005, J. Longino #5412, 1500 m, Cloud Forest.
- Pheidole impariceps* Santschi, 1923b: 47. Syntypes: 4S 4W, [BRAZIL], S[ão] P[aulo], Ilha dos Alcatrazes, x.1920, [H.] Lüderwaldt [leg.], MP #20.195, Coll. Borgm. #2697. One soldier missing L2; one worker only with postpetiole and gaster. Junior synonym of *Pheidole peregrina* W.M. Wheeler, 1916b: 181 by Wilson, 2003: 214.
- Pheidole incisa* subsp. *evoluta* Borgmeier, 1929: 204. Syntypes: 3S 3W, [BRAZIL], R[io Grande do] S[ul], Porto Alegre, Glória, 30.xi.1924, [P. Pio] Buck [S.J. leg.], #6, Coll. Borgm. #346. One soldier missing L2. Junior synonym of *Pheidole susannae* Forel, 1886: xliii[43] by Kempf, 1964: 63. Comment: There is an antenna on the paper labeled as syntype.
- Pheidole janzeni* Longino, 2009: 40. Paratype: 1W, COSTA RICA, Guanacaste, Santa Rosa NP[National Park], Murciélago, 10.90092°N 85.72943°W ± 100,50 m, 27.ii.2008, J. Longino #6144.04, Tropical Dry Forest, at bait on ground.
- Pheidole karolsetosa* Longino, 2009: 44. Paratypes: 1S 1W, COSTA RICA, Prov[ince] Heredia, 11 km SE[Southeast of] La Virgen, 10°20'N 84°04'W, 18.iii.2003, 450-550 m, INBio-OET-ALAS transect, 05/WF/03/39. Soldier missing A1.
- Pheidole lagunculinoda* Longino, 2009: 48. Paratype: 1W, MEXICO, Chiapas, 8 km SE Salto de Agua, 17.51427°N 92.29486°W, 16.vi.2008, LLAMA #Ba-A-08-1-02-11, 70 m, 2° Wet Forest, at bait.
- Pheidole leoncortesi* Longino, 2009: 49. Paratypes: 1S 1W, MEXICO, Chiapas, 21 km SW[Soutwest of] Salto de Agua, 17.38542°N 92.42802°W ± 200 m, 15.vi.2008, LLAMA#Ba-A-08-3-01-03, 180 m, 2° Wet Forest, at bait.
- Pheidole lutzi* Forel, 1905: 168. Syntypes: 1S 2W, [BRAZIL], S[ão] P[aulo], S[erra da] Cantareira, H.[E.A.] V.[on] Jhering, MP #16766, Coll. Borgm. #2046, [original publication says “dans la cavité des bambous” (in bamboo cavity)]. Senior synonym of *Pheidole heinzi* Forel, 1913: 225 by Wilson, 2003: 716.
- Pheidole mesomontana* Longino, 2009: 54. Paratype: 1W, COSTA RICA, Heredia, 16 km SSE[South-southeast of] La Virgen, 10.26667°N 84.08333°W ± 2000 m, 20.ii.2001, ALAS 11/WF/01/all, 1100 [m], Montane Wet Forest, leaf litter.
- Pheidole oxyops* subsp. *regia* Forel, 1908: 378. Syntypes: 2S 2W, [BRAZIL], S[ão] Paulo, Ipiranga, [H.] Lüderwaldt [leg.], MP #7349, Coll. Borgm. #2060. Junior synonym of *Pheidole oxyops* Forel, 1908: 377 by Kempf, 1964: 58.
- Pheidole phanigaster* Longino, 2009: 61. Paratypes: 1S 1W, MEXICO, Chiapas, 21 km SW[Southwest of] Salto de Agua, 17.38542°N

- 92.42802°W ± 200 m, 15.vi.2008, LLAMA #Ba-A-08-3-02-10, 180 m, 2° Wet Forest, at bait. Worker missing L2 tarsi.
- Pheidole picobarva* Longino, 2009: 63. Paratype: 1W, COSTA RICA, Heredia, 6 km ENE[East-northeast of] Vara Blanca, 10.18333°N 84.11667°W ± 2000 m, 06.xi.2002, J. Longino #4838, 2000 m, Cloud Forest, nest in dead wood.
- Pheidole pubiventris* var. *foederalis* Borgmeier, 1928: 34. Cotypes[Unidentifiable Taxon]: 2S 3W, BRAZIL, Rio de Janeiro, Itapagipe, 19.xi.1925, T. Borgmeier leg., Coll. Borgm. #484, in mango tree. Soldier missing L5, L6. *Incertae sedis* in *Pheidole* by Wilson, 2003: 779.
- Pheidole punctithorax* Borgmeier, 1929: 210. Cotypes[Syntypes]: 1S 2W, [BRAZIL, Rio de Janeiro], Petrópolis, 1918, T. Borgmeier [leg.], Coll. Borgm. #56. Soldier missing A1, A2; one worker missing L3; one worker missing L5.
- Pheidole purpurea* Longino, 2009: 67. Paratype: 1W, MEXICO, Chiapas, 21 km SW[Southwest of] Salto de Agua, 17.38542°N 92.42802°W ± 200 m, 15.vi.2008, LLAMA #Ba-A-08-3-01-10, 180 m, 2° Wet Forest, at bait.
- Pheidolerata* Borgmeier, 1929: 206. Cotype[Lectotype]: 1S, Cotypes[Paralectotypes]: 2S 8W, [BRAZIL, Rio de Janeiro], Petrópolis, [1918], T. Borgmeier [leg.], n° 63, unter baumrinde. Paralectotype: one worker missing head; one worker only with postpetiole and gaster. Junior synonym of *Pheidole schmalzi* Emery, 1894: 161 by Wilson, 2003: 504.
- Pheidole rhinomontana* Longino, 2009: 71. Paratypes: 1S 1W, COSTA RICA, Alajuela, Peñas Blancas Valley, 10.302°N 84.706°W ± 2000 m, 05.vii.1984, J. Longino #5jul84/0854, 940 m, Wet Forest, nest in soft rotten stump.
- Pheidole rufipilis* Forel, 1908: 371. Syntypes: 3S 4W, [BRAZIL, São Paulo] Ipiranga, [H.] Lüderwaldt [leg.], #5583. One worker only with postpetiole and gaster; one soldier lost. Senior synonym of *Pheidole rufipilis* var. *divexa* Forel, 1908: 372 and *Pheidole impia* Santschi, 1923b: 46 by Wilson, 2003: 226.
- Pheidole rufipilis* var. *divexa* Forel, 1908: 372. Syntypes: 1M 1S, BRAZIL, S[ão] P[aulo], Campos do Jordão, 1906, [H.] Lüderwaldt [leg.], MP #2409, Coll. Borgm. #2063. Soldier missing L1. Junior synonym of *Pheidole rufipilis* Forel, 1908: 371 by Wilson, 2003: 226.
- Pheidole rufipilis* var. *laevinota* Forel, 1908: 371. Syntypes: 1W, [BRAZIL] R[io de] J[aneiro], Campo do Itatiaia, v.1906, [H.] Lüderwaldt [leg.], MP #2617. 4S, [BRAZIL] R[io de] J[aneiro], Campo do Itatiaia, v.1906, [H.] Lüderwaldt [leg.], MP #2618. 1W 2S, [BRAZIL] R[io de] J[aneiro], Campo do Itatiaia, 12.iv.1906, [H.] Lüderwaldt [leg.], MP #2694. One worker with disarticulated postpetiole and gaster. 2W 1S, [BRAZIL] R[io de] J[aneiro], Campo do Itatiaia, 12.iv.1906, [H.] Lüderwaldt [leg.], MP #2690. Raised to species by Wilson, 2003: 200.
- Pheidole schwarzmaieri* Borgmeier, 1939: 420. Lectotype: 1S, Syntypes[Paralectotypes]: 5S 6W, [BRAZIL], Go[ías], Campinas, xii.1933, Schwarzmaier [leg.], Coll. Borgm. #5560.
- Pheidole sensitiva* Borgmeier, 1959: 316. Typus[Holotype]: 1S, Cotypes[Paratypes]: 15W, [BRAZIL], Rio de Jan[eiro], Jacarepaguá, Taquara, [1954], T. Borgmeier [leg.]. Paratype: one worker missing A1.
- Pheidole synanthropica* Longino, 2009: 80. Paratype: 1W, COSTA RICA, Guanacaste, Santa Rosa N.P.[National Park], 10.85000°N 85.61667°W ± 2000 m, 15.vii.1985, J. Longino #0511, 300 m, Moist Forest, at tuna bait.
- Pheidole tetrica* Forel, 1913: 226. Syntypes: 3G 5S 5W, [BRAZIL], S[anta] C[atarina], Hamônia[Ibirama, H.] Lüderwaldt [leg.], MP #15.490, Coll. Borgm. #2041. One dealated gyne.
- Pheidole tijucana* Borgmeier, 1927: 59. Syntypes: 7S 6W, [BRAZIL], DF [Rio de Janeiro], Rio de Jan[eiro], 22.vi.1926, T. Borgmeier [leg.], Coll. Borgm. #755.
- Pheidole transversostriata* subsp. *gibbata* Borgmeier, 1934: 101. Cotypes[Paratypes]: 1S 1W, [SURINAME], Paramaribo, [G.H.] Bünzli [leg., in *Acropyga*-Rhizocus Arealen vorkommend]. Raised to species by Wilson, 2003: 636.
- Pheidole vafra* Santschi, 1923b: 51. Syntype: 1W, BRÉSIL[BRAZIL, Santa Catarina], Blumenau, [A. Reichensperger leg.], #3855. Senior synonymy of *Pheidole idiota* Santschi, 1923b: 53 by Wilson, 2003: 244.
- Pheidole wolfringi* st. *durionei* Santschi, 1923b: 51. Syntype: 1W, ARG[ENTINA], Córdoba, Tanti Viejo, [J.] Durione [leg.]. Raised to species by Wilson, 2003: 288. Comment: (1) The MZSP ant collection has three specimens (1M 1S 1W) from BRAZIL, São Paulo, Santo André, Alto da Serra[Paranapiacaba], 1907, H. Lüderwaldt leg., MP #10.539, Coll. Borgm. #2044, labeled as syntypes of *Pheidole guilelmimuelleri* subsp. *beyeri* var. *injuncta* Forel, 1911: 302. However,

we do not consider them as types since Bolton (1995: 323) registered this as unavailable name. (2) The collection also have three specimens (1S 2W) from BRAZIL, São Paulo, Campo Limpo, 20.ii.1966, W.W. Kempf leg., Coll. Kempf #4383, 26, 26 pr., labeled as syntypes of *Pheidole descolei* Kusnezov, 1952b: 76 by E.O. Wilson. This author also says that the types of *P. descolei* are deposited in MZSP (Wilson, 2003), but according to the original publication (Kusnezov, 1952b) the type locality is Salta, Argentina. Thus we do not consider these specimens as types.

Tribe Stegomyrmecini

Genus *Stegomyrmex* Emery, 1912: 99

Stegomyrmex bensoni Feitosa, Brandão & Diniz, 2008: 69. Holotype: 1W, BRASIL, PA[Pará], Canaã dos Carajás, [06°44'49"S 50°21'05"W], 22-28.ii.2005, [R.] Andrade & Arnoni cols., gruta NV06. Missing A2.

Stegomyrmex olindae Feitosa, Brandão & Diniz, 2008: 71. Holotype: 1W, BRASIL, TO[Tocantins], Palmeiras do Tocantins, 06°40'12.1"S 47°31'48.6"W, 14-19.i.2005, R.R. Silva & R. Silvestre cols., Winker. Paratypes: 2W, BR[BRAZIL], TO[Tocantins], Palmeirante, 07°52'25.3"S 47°57'07.4"W [47°31'48"W], 10-15.xii.2001, [N.L.] Albuquerque & [R.R.] Silva cols., Mata Ciliar/Cerradão, Winker. One worker missing A1 funiculus. 1W, BRASIL, TO[Tocantins], Araguacema, 08°59'20"S 49°40'41"W, 16-30.xi.2005, R.R. Silva & R.M. Feitosa cols., Mata Semi-decídua I, Winker. 1W, BRASIL, MT[Mato Grosso], Sto[Santo] Antônio de Leverger, Águas Quentes, 26Oct1984 [26.x.1984], J.C. Trager [leg.], #n0184, Cerrado Alto, under rotten board. 1W, [BRAZIL], MG[Minas Gerais], TM3-8/PERD[Timóteo, Parque Estadual do Rio Doce], 07.v.[20]05, F.A. Esteves col. 1W, BRASIL, MA[Maranhão], Açailândia, Horto Faz[enda] Pompéia, 04°52'30"S 47°17'40"W, 13-22.ii.2006, R.R. Silva & R.M. Feitosa cols. 1G 2W, BRASIL, MA[Maranhão], Estreito, Fazenda Itaueiras, 06°31'54.4"S 47°22'16"W, 07-13.i.2005, R.R. Silva & R. Silvestre cols., Winkler. Dealate gyne; one worker coated with gold; one missing L4 femur to tarsi. 1W, BRASIL, BA[Bahia], Porto Seguro, E.E.[Ecological

Station] Pau Brasil, 16°23'33"S 39°10'99"W, 16.vi.2000, J.R.M. Santos & J.C. Soares cols., Winkler. Missing L3 tarsi. 1W, BRASIL, BA[Bahia], Ilhéus, km 22 Ilhéus-Itabuna [Road], CEPEC[Centro de Pesquisas do Cacau], área Zoolog[ia], x.[19]86, J.[H.C.] Delabie leg. Comment: The MZSP collection houses one worker from Rio Tiririca [BRAZIL, TO/Tocantins, Araguacema, Rio Tiririca, 08°56'08"S 49°34'25"W, 16-30.xi.2005, R.R. Silva & R.M. Feitosa cols., Mata Ciliar, Winker] labeled as paratype, but we do not consider it as type because this specimen is not listed on the original publication.

Stegomyrmex vizzotoi Diniz, 1990: 290. Holotype: 1W, [BRAZIL], SP[São Paulo], Mirassol, [20°50'S 49°30'W], R.D. Pedro II, #n728, J.L.M. Diniz [leg.], 10.x.1971, W.W.K.[Coll. Kempf] #11.029, [JLMD n°]361, ninho em solo. Paratypes: 1W, [BRAZIL], SP[São Paulo], Mirassol, [20°50'S 49°30'W], R.D. Pedro II, #n728, J.L.M. Diniz [leg.], 10.x.1971, sob lata, [JLMD n°]361, ninho em solo. Missing L1 femur to tarsi. 1G, [BRAZIL], SP[São Paulo], Mirassol, Residência, [20°50'S 49°30'W], 13.ii.1973, J.L.M. Diniz [leg.], [JLMD n°]544, [MZSP n°]10.924. Dealated gyne. 1W, [BRAZIL], SP[São Paulo], Mun[icípio] Anhembi, Faz[enda] Barreiro Rico, [22°50'S 48°08'W], ii.1964, E. Dante col., [MZSP n°]3470, em estômago de *Conopophaga lineata* (Wied., 1831) [Bird, Formicariidae]. L6 femur and tibia glued on the triangle, missing L6 tarsi. 1W, [BRAZIL], PR[Paraná], Rio Azul, [25°42'S 50°49'W], x.1959, F. Plaumann [leg., MZSP n°]3147, 1000 m. Missing A1, L2 and L3 both femur to tarsi glued on the triangle.

Tribe Stenammini

Genus *Lachnomyrmex* W.M. Wheeler, 1910: 263

Lachnomyrmex amazonicus Feitosa & Brandão, 2008: 11. Holotype: 1W, BRASIL, PA[Pará], Paraupebas, Fl[oresta] Nac[ional de] Carajás, Garagem, 06°02'54"S 50°04'55"W, 25.iv-02.v.2008, Rogério R. Silva col., Winkler. Paratypes: 3G 4W, BRASIL, PA[Pará], Paraupebas, Fl[oresta] Nac[ional] Carajás, Garagem, 06°02'54"S 50°04'55"W, 25.iv-02.v.2008, Rogério R. Silva col., Winkler. Dealated gynes. 1W, BRASIL, PA[Pará], Paraupebas, Fl[oresta]

- Nac[ional] Carajás, Casa Hóspedes, 06°03'41"S 50°03'13"W, 25.iv-02.v.2008, Rogério R. Silva col., Winkler. 1W, BRASIL, PA[Pará], Paraupébas, Fl[oresta] Nac[ional] Carajás, Núcleo Urbano, 06°03'53"S 50°03'42"W, 25.iv-02.v.2008, Rogério R. Silva col., Winkler. 1W, BRASIL, PA[Pará], Paraupébas, Fl[oresta] Nac[ional] Carajás, Zoobotânico, 06°03'41"S 50°03'13"W, 25.iv-02.v.2008, Rogério R. Silva col., Winkler. Missing L5 tibia and tarsi. 1W, BRAZIL, Amazonas, Manaus, VIC, iii-iv.1994, R. Didham [leg.]. 1W, BRASIL, PA[Pará], Melgaço, Caxiuanã, ECFPn IV (Transecto 10 00), 01°45'19.98"S 51°31'20.66"W, 23-25.i.2004, A.Y. Harada, E.P. Fagundes, P. Batra, R. Calisto & Mó cols.
- Lachnomyrme fernandezii* Feitosa & Brandão, 2008: 13. Paratypes: 1W, COLOMBIA, Santander, Mpio[Município] Socorro, Vda. Alto Chochos, Fca[Farm] El Laurel, 1630 m, 06°28'37.1"N 73°13'33.4"W, Rastrojo alto Winkler, 23.iii.2004, G. Zabala [leg.], IAVH 25404. Worker coated with gold. 1W, COLOMBIA, Tolima Boquerón, 09.ix.[19]96, E. Palacio [leg.], IAVH-E 72099, 440 m.
- Lachnomyrme laticeps* Feitosa & Brandão, 2008: 19. Paratypes: 1W, COSTA RICA, Alajuela, Peñas Blancas, Refugio Eladio, 10°19'N 84°43'W, 7Mar2006[07.iii.2006], J. Longino, #5670, 800 m. 1W, COSTA RICA, Prov[íncia] Heredia, 13 km NE[Northeast of] Vara Blanca, 10°16'N 84°05'W, 15Febrero2001[15.ii.2001, R. Vargas leg.], 1150-1250 m, INBio-OET-ALAS transect, 01-RVC-010 transect. Worker coated with gold, missing A2 segments 4° to 10° of funiculus, L6 tibia and tarsi.
- Lachnomyrme longinoi* Feitosa & Brandão, 2008: 25. Paratypes: 1W, COSTA RICA, Prov[íncia] Guana[caste], Est[Field Station] Pitilla, 9 km S[outh of] Sta[Santa] Cecilia, 6-18Ago1993[06-18.viii.1993], P. Ríos [leg.], L N 330200_380200, #2321, 700 m. 1G 1W, COSTA RICA, Punt[arenas, Península] Osa, Aenn. Fund. NeoTrop., 08°43'30"N 83°31'30"W, 23.iv.[19]97, R. Anderson [leg.], #18687, Ridge forest litter. Dealated gyne. 1W, COSTA RICA, [Alajuela, Río] San Lorencito, 1990, P. Hammond [leg.]. Worker coated with gold.
- Lachnomyrme nordestinus* Feitosa & Brandão, 2008: 29. Holotype: 1W, BRASIL, PB[Paraíba], João Pessoa, Mata do Buraquinho, 07°08'24"S 34°51'33.2"W, 25.vii-02.viii.2002, R.R. Silva & F. Eberhardt cols., Winkler. Paratypes: 1W, BRASIL, PB[Paraíba], João Pessoa, Mata do Buraquinho, 07°08'24"S 34°51'33.2"W, 25.vii-02.viii.2002, R.R. Silva & F. Eberhardt cols., Winkler. 1W, BR[BRAZIL], Ceará, Maranguape, viii.2003, Y. Quinet [leg.], ± 875 m. Worker coated with gold, missing L2 and L6 both 2° to 5° tarsus, L3 3° to 5° tarsus. 1G, BRASIL, PE[Pernambuco], Jaqueira, Usina Colônia, Mata do Espelho, 30.vii.2003, A. Bieber & I. Leal [leg.]. Dealated gyne. 1G 7W, BRASIL, PE[Pernambuco], Recife, Horto Dois Irmãos, 08°00'32"S 34°56'40"W, 15-24.vii.2002, R.R. Silva & F. Eberhardt cols., Winkler. Dealated gyne. 2G 6W, BRASIL, SE[Sergipe], Areia Branca, E.E.[Parque Nacional] da Serra de Itabaiana, 10°45'54"S 37°19'57.4"W, 19-25.v.2003, R.R. Silva, B.H. Dietz & L.S. Ferreira cols., Winkler. Dealated gynes, one worker with disarticulated head glued on the triangle.
- Lachnomyrme plaumanni* Borgmeier, 1957: 125. Cotype[Lectotype]: 1W, BRASILIEN[BRAZIL, Santa Catarina], Nova Teutônia, 27°11'B 52°23'L, iv.1964, Fritz Plaumann [leg.], 300-500 m. Cotypes[Paralectotypes]: 1W, BRASILIEN[BRAZIL, Santa Catarina], Nova Teutônia, 27°11'B 52°23'L, iv.1954, Fritz Plaumann [leg.], 300-500 m. Missing head. 1W, BRASILIEN[BRAZIL, Santa Catarina], Nova Teutônia, 27°11'B 52°23'L, xi.1954, Fritz Plaumann [leg.], 300-500 m. Disarticulated head, A2 and part of three legs glued on the triangle, missing three legs. 1G 1W, BRASILIEN[BRAZIL, Santa Catarina], Nova Teutônia, 27°11'B 52°23'L, iv.1951, Fritz Plaumann [leg.], 300-500 m. Dealated gyne, worker without head. 1G 2W, [BRAZIL, Rio de Janeiro], Itatiaia[Parque Nacional Itatiaia], i.[19]56, [R.] Barth [leg.]. Dealated gyne.
- Lachnomyrme regularis* Feitosa & Brandão, 2008: 38. Paratypes: 2W, COSTA RICA, Prov[íncia] Guana[caste], Est[Field Station] Pitilla, 9 km S[outh of] Sta[Santa] Cecilia, 6-19Set1993[06-19.ix.1993], P. Ríos [leg.], L N 330200_380200, #2345, #8-Rios 93, 700 m. One worker coated with gold, missing L6 3° to 5° tarsus; one worker with postpetiole and gaster glued on the triangle, missing L2 tibia and tarsi, L6 2° to 5° tarsus.
- Lachnomyrme victori* Feitosa & Brandão, 2008: 43. Holotype: 1W, BRASIL, SC[Santa Catarina], São Bonifácio, P[arque] E[stadual] Serra do Tabuleiro, 27°49'06"S 48°54'41"W, 08-13.

iii.2004, R.R. Silva, B.H. Dietz & N. Albuquerque cols., Winkler. Paratypes: 1G 2W, BRASIL, SC[Santa Catarina], São Bonifácio, P[arque] E[stadual] Serra do Tabuleiro, 27°49'06"S 48°54'41"W, 08-13.iii.2004, R.R. Silva, B.H. Dietz & N. Albuquerque cols., Winkler. De-alated gyne, one worker coated with gold, missing A1, A2, L2 femur to tarsi, L3 coxa to tarsi. 4W, BRASIL, SC[Santa Catarina], Blumenau, P[arque] E[stadual das] Nascentes, 27°06'15"S 49°09'14"W, 20-27.x.2000, R.R. Silva & F. Eberhardt cols., Winkler. 1G 6W, BR[BRAZIL], PR[Paraná], Tunas, Parque das Lauráceas, 24°51'16"S 48°43'00.4"W, 21-29.ii.2001, [R.R.] Silva & [F.] Eberhardt cols., Winkler. De-alated gyne, one worker without head. 1G 2W, BRASIL, SP[São Paulo], Salesópolis, E[estação] E[cológica] B[oracéia], 11-17.iv.1997, B.H. Dietz & C.I. Yamamoto cols., Winkler. De-alated gyne, one worker missing L6 tibia and tarsi. 1W, BRASIL, SP[São Paulo], Salesópolis, E[estação] E[cológica] B[oracéia], 20-26.x.1997, B.H. Dietz & C.I. Yamamoto cols., Winkler. 2W, BRASIL, ES[Espírito Santo], Santa Teresa, Estação Biológica Santa Lucia, 19°58'09"S 40°32'15"W, 20-24.i.2002, J.H. Schoederer & C.R. Ribas cols. One worker missing L2 femur to tarsi, L3 2° to 5° tarsus.

Genus *Rogeria* Emery, 1894: 188

Rogeria carinata Kugler, 1994: 56. Paratype: 1W, PUERTO RICO, Humacao, Caño[Cayo] L. Peña, 9Oct82[09.x.1982], J.A. Torres, #91, gift from LACM.

Rogeria ciliosa Kugler, 1994: 31. Paratype: 1W, VZLA[VENEZUELA], Bolívar, Campamento Rio Grande, 08°07'N 61°42'W, 14.viii.1986, P.S. Ward [leg.], #8572-12, 250 m, Rainforest, sifted litter (leaf mold, rotten wood).

Rogeria cornuta Kugler, 1994: 65. Holotype: 1W, BRIT. HONDURAS[BELIZE], 2.5 mi[les] S[outh of] Belmopan, 04.viii.1972, S. [Peck] & J. Peck [leg.], #242.

Irogeria foveata Kempf, 1964: 64. Holotype: 1W, BRASIL, Amazonas, Manaus, viii.1962, K. Lenko col., [DZSP] #2889. Paratype: 1W, [BRAZIL], AM[Amazonas], Manaus, viii.1962, K. Lenko col., [DZSP] #2889, [Coll. Kempf]. Junior synonym of *Rogeria blanda* F. Smith, 1858: 131 by Kempf, 1965: 185.

Rogeria gibba Kugler, 1994: 32. Paratype: 1W, EC-UADOR, Prov[incia] Pichincha, 4 km E[ast of]

Santo Domingo de los Colorados, 08.vii.1976, S. [Peck] & J. Peck [leg.].

Rogeria innotabilis Kugler, 1994: 51. Paratype: 1W, MEXICO, Chiapas, 12 mi[les] NW[Northwest of] Ocozocoautla, 04-05.ix.1973, [forest leaf litter, A. Newton leg.], 3200ft[feet].

Rogeria lacertosa Kempf, 1963: 194. Holotype: 1W, [BRAZIL], RS[Rio Grande do Sul], Sinimbu, ix.1960, F. Plaumann [leg., Coll. Kempf] #3589, 200 m. Paratypes: 4W, [BRAZIL], RS[Rio Grande do Sul], Sinimbu, ix.1960, F. Plaumann [leg., Coll. Kempf] #3589, 200 m. One worker with disarticulated head glued on the paper triangle, missing L1 last tarsus, L2 2° to 5° tarsus; one worker with disarticulated A1 glued on the triangle. 2W, [BRAZIL], RS[Rio Grande do Sul], Pardinho, ix.1960, F. Plaumann [leg., Coll. Kempf] #3644, 100 m.

Rogeria leptanana Kugler, 1994: 58. Paratype: 1W, PANAMA, Barro Colorado I[island], C[anal] Z[one, 14 or 27.ii.1976], A. Newton [leg.], leaf litter, forest floor.

Rogeria lirata Kugler, 1994: 43. Paratype: 1W, TRINIDAD, B.W.I., N.A. Weber [leg.], #191.

Rogeria merenbergiana Kugler, 1994: 46. Paratype: 1W, COLOMBIA, 12 km W[est of] Belén, Huila, Finca Merenberg, 09-13.i.[19]78, [C.] Kugler & [J.] Hahn [leg.], 2300 m, rotten log in pasture.

Rogeria micromma Kempf, 1961a: 509. Holotype: 1W, SURINAM, Dirkshoop, v.1959, 27-IIIcd-19, I[J.] v[an] d[er] Drift col., [soil sample from primary forest]. Paratype: 1W, SURINAM, La Poulle, viii.1959, 18-XIVcd-24, I[J.] v[an] d[er] Drift col. Missing L6 tarsi.

Rogeria pellecta Kempf, 1963: 191. Holotype: 1W, BRASILIEN[BRAZIL, Santa Catarina], Nova Teutônia, 27°11B 52°23L, v.1960, Fritz Plaumann [leg.], 300-500 m. Missing L5 trochanter to tarsi. Paratypes: 1W, [BRAZIL], SC[Santa Catarina], Ibicaré, vii.1959, F. Plaumann [leg., Coll. Kempf] #3132. 1W, [BRAZIL], SC [Santa Catarina], Seara, viii.1958, [F.] Plaumann [leg., Coll. Kempf] #2745. 7W, BRASILIEN[BRAZIL, Santa Catarina], Nova Teutônia, 27°11B 52°23L, vii.1959, Fritz Plaumann [leg.], 300-500 m. One worker missing L1 last tarsus, L4 tibia and tarsi; one worker with disarticulated head glued on the triangle, missing L6 tibia and tarsi, final segments of the gaster. 2W, BRASILIEN[BRAZIL, Santa Catarina], Nova Teutônia, 27°11B 52°23L, vi.1960, Fritz Plaumann [leg.], 300-500 m. One worker

with disarticulated head glued on the triangle, A1 missing last segments of the funiculus. 3W, BRASILIEN[BRAZIL, Santa Catarina], Nova Teutônia, 27°11B 52°23L, vi.1960, Fritz Plaumann [leg.], 300-500 m. One worker missing L2 3° to 5° tarsus. 3W, BRASILIEN[BRAZIL, Santa Catarina], Nova Teutônia, 27°11B 52°23L, Fritz Plaumann [leg.], 300-500 m.

Rogeria scobinata Kugler, 1994: 54. Paratype: 1G, PERU, [Madre de Dios Departamento], 3 km N[orth of] Pto[Puerto] Maldonado, 13-16. vi.[19]81, C. Kugler & R.R. Lambert [leg.], 260 m, 1°[Primary] For[rest], remnant, by [the] road, Berl[ese-Tullgren funnels], lf[leaf] lit[ter] & rot[ten] wood. Dealate gyne.

Rogeria sicaria Kempf, 1962: 22. Holotype: 1W, [BRAZIL], SP[São Paulo], Agudos, 19.xi.1955, W.[W.] Kempf [leg.], Berlese[-Tullgren funnels, dry leaf from second growth forest floor cover].

Irogera subarmata Kempf, 1961b: 438. Holotype: 1W, [BRAZIL], GB[Rio de Janeiro], Deodoro, v.1936, Dr. A. Ronna [leg.], em estômago de *Tamandua tetradactyla* L. Paratypes: 17W, [BRAZIL], DF[Rio de Janeiro], Deodoro, v.1936, Dr. A. Ronna [leg.], em estômago de *Tamandua tetradactylus* [tetradactyla L.]. One worker missing L1 tarsi, L3 3° to 5° tarsus; one worker missing A2 last segment of funiculus; one worker missing L5 2° to 5° tarsus, L6 last tarsus; one worker missing A1 last segment of funiculus, L3 tarsi; one worker missing A1, A2, L2, L3, L5, L6 all femur to tarsi; one worker missing A1, A2, L2, L3, L4, L5, L6 all femur to tarsi; one worker missing the last five segments of A2 funiculus; one worker missing A1 funiculus, A2, L1 and L3 both 2° to 5° tarsus, L6 tibia and tarsi. 9W, [BRAZIL], GB[Rio de Janeiro], Deodoro, v.1926, Dr. E.[A.] Ronna col., em estômago de *Tamandua tetradactyla* L. One worker with disarticulated postpetiole and gaster glued on the triangle; missing L5 tarsi; one worker missing A1 funiculus, L4 tarsi, L6 2° to 5° tarsus, with disarticulated postpetiole and gaster glued on the triangle; one worker missing L4 tarsi; one worker with disarticulated postpetiole and gaster glued on the triangle; one worker missing A1, A2, L3, L5, L6 all femur to tarsi; one worker missing A1 and A2 funiculus, L2 2° to 5° tarsus, L3 femur to tarsi, L4 3° to 5° tarsus, L5 tarsi, L6 4° and 5° tarsus. Combination in *Rogeria* by Kempf, 1965: 185.

Genus *Stenamamma* Westwood, 1839: 219

Stenamamma expositum M.R. Smith, 1962: 36. Paratypes: 2W, COSTA RICA, Santa Clara Prov[ince], Colombiana Farm, iii-iv.1924, W.M. Mann col., #USMN 65967. One worker missing A1; one worker missing A1 4° to 11° segment of funiculus, L1 femur to tarsi.

Tribe Tetramoriini

Genus *Tetramorium* Mayr, 1855: 423

Wasmannia auropunctata brevispinosa Borgmeier, 1928: 36. Syntypes: 3W, [BRAZIL], RJ[Rio de Janeiro], Cabo Frio, viii.1926. T. Borgmeier [leg.], Coll. Borgm. #1125. Junior synonym of *Tetramorium simillimum* (F. Smith, 1851: 118) by Borgmeier, 1937: 241.

Tetramorium azcatlontlium Marques, Vásquez-Bolaños & Quesada, 2011: 118. Paratype: 1W, MEX[ICO], JAL[ISCO], La Huerta [municipally], Chamela, Cuixmala Farm, 19°24'29.7"N 104°58'96.8"W, 18.x.2009, T. Marques col., 180 m, epigaegic[epigaecic] pitfall trap, TDF.

Incertae Sedis

Genus *Diaphoromyrma* Fernández, Delabie & Nascimento, 2009: 56

Diaphoromyrma sofiae Fernández, Delabie & Nascimento 2009: 59. Paratype: 1W, BRAZIL, Ba[Bahia], Sta[Santa] Cruz Cabrália, [Veracel Celulose Reserve], Sucupira-b, 471121S 8200537W, 05.xi.2006, I.C. do Nascimento col., [Winkler trap].

RESUMO

O presente catálogo lista os espécimes tipo de 12 tribos tradicionais de formigas mirmicíneas (*Adelomyrmecini*, *Basicerotini*, *Blepharidattini*, *Crematogastrini*, *Formicoxenini*, *Lenomyrmecini*, *Myrmicini*, *Phalacromyrmecini*, *Pheidolini*, *Stegomyrmecini*, *Stenammini* and *Tetramoriini*) depositados na coleção de Formicidae do Laboratório de Hymenoptera do Museu de Zoologia da Universidade de São Paulo (MZSP), Brasil, completando a série de catálogos de tipos de Myrmicinae aqui depositados. Adotamos aqui a classificação tradicional para

as tribos de Myrmicinae por já termos publicado os catálogos de Attini, Cephalotini, Dacetini e Solenopsidini. No total, a coleção inclui tipos das tribos de Myrmicinae agora catalogadas representando 213 espécies nominais, das quais 169 são válidas. Doze espécies listadas são representadas somente por holótipos, 28 por holótipos e parátipos, 65 apenas por sítipos e cinco espécies representadas por lectótipos e paralectótipos. Assim como nos catálogos anteriores, são apresentados os dados de rótulos, condição morfológica dos exemplares, alterações nomenclaturais, status taxonômico e índices para os táxons catalogados seguindo as recomendações do Código Internacional de Nomenclatura Zoológica (ICZN).

PALAVRAS-CHAVE: Catálogo; Myrmicinae; Formigas; Tipos; MZSP.

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REFERENCES

- BARONI URBANI, C. 1978. Materiali per una revisione dei *Leptothorax* neotropicali appartenenti al sottogenere *Macromischa* Roger, n. comb. (Hymenoptera: Formicidae). *Entomologica Basiliensia*, 3: 395-618.
- BOLTON, B. 1995. *A new general catalogue of the Ants of the World*. Cambridge, Harvard University Press. 504p.
- BOLTON, B. 2003. Synopsis and classification of Formicidae. *Memoirs of the American Entomological Institute*, 71: 1-370.
- BOLTON, B. 2013. Synopsis of the Formicidae and Catalogue of Ants of the World. *Memoirs of The American Entomological Institute*, 71: 1-370. (Version: 1 January 2013).
- BOLTON, B. 2014. *An online catalog of the ants of the world*. Available at: <www.antcat.org/catalog>. Access in 04.iv.2014.
- BORGMEIER, T. 1927. Algumas novas formigas brasileiras. *Archivos do Museu Nacional*, 29: 57-65.
- BORGMEIER, T. 1928. Einige neue Ameisen aus Brasilien. *Zoologischer Anzeiger*, 75: 32-39.
- BORGMEIER, T. 1929. Zur Kenntnis der brasilianischen Ameisen. *EOS. Revista Española de Entomología*, 5: 195-214.
- BORGMEIER, T. 1934. Contribuição para o conhecimento da fauna mirmecológica dos cafezais de Paramaribo, Guiana Holandesa (Hym. Formicidae). *Archivos do Instituto de Biologia Vegetal*, 1: 93-111.
- BORGMEIER, T. 1937. Formigas novas ou pouco conhecidas da America do Sul e Central, principalmente do Brasil. *Archivos do Instituto de Biologia Vegetal*, 3: 217-255.
- BORGMEIER, T. 1939. Nova contribuição para o conhecimento das formigas neotropicas (Hym. Formicidae). *Revista de Entomologia*, 10: 403-428.
- BORGMEIER, T. 1957. Myrmecologische Studien I. *Anais da Academia Brasileira de Ciências*, 29: 103-128.
- BORGMEIER, T. 1959. Myrmecologische Studien. II. *Anais da Academia Brasileira de Ciências*, 31: 309-319.
- BRANDÃO, C.R.F. 1991. Adendos ao catalogo abreviado das formigas da regio Neotropical. *Revista Brasileira de Entomologia*, 35: 319-412.
- BRANDÃO, C.R.F.; ESTEVES, F.A. & PRADO, L.P. 2010. A catalogue of the Pseudomyrmecinae ants type specimens (Hymenoptera, Formicidae) deposited in the Museu de Zoologia da Universidade de São Paulo, Brazil. *Papéis Avulsos de Zoologia*, 50(45): 693-699.
- BROWN JR., W.L. 1949a. Revision of the ant tribe Dacetini: III. *Epitritus* Emery and *Quadristruma* new genus (Hymenoptera: Formicidae). *Transactions of the American Entomological Society*, 75: 43-51.
- BROWN JR., W.L. 1949b. Revision of the ant tribe Dacetini: IV. Some genera properly excluded from the Dacetini, with the establishment of the Basicerotini new tribe. *Transactions of the American Entomological Society*, 75: 83-96.
- BROWN JR., W.L. 1953. Characters and synonymies among the genera of ants. Part I. *Breviora*, 11: 1-13.
- BROWN JR., W.L. 1968[1967]. A new *Pheidole* with reversed phragmosis. *Psyche*, 74: 331-339.
- BROWN JR., W.L. & KEMPF, W.W. 1960. A world revision of the ant tribe Basicerotini. *Studia Entomologica*, 3: 161-250.
- BROWN JR., W.L. & KEMPF, W.W. 1961. The type species of the ant genus *Eurhopalothrix*. *Psyche*, 67: 44.
- BUREN, W.F. 1944. A list of Iowa ants. *Iowa State College Journal of Science*, 18: 277-312.
- BUREN, W.F. 1968. A review of the species of *Crematogaster*, *sensu stricto*, in North America (Hymenoptera, Formicidae). Part II. Descriptions of new species. *Journal of the Georgia Entomological Society*, 3: 91-121.
- CREIGHTON, W.S. 1950. The ants of North America. *Bulletin of the Museum of Comparative Zoology at Harvard College*, 104: 1-585.
- CUEZZO, F. & CLAVER, S. 2009. Two new species of the ant genus *Pogonomyrmex* from Argentina. *Revista de la Sociedad Entomológica Argentina*, 68: 97-106.
- DINIZ, J.L.M. 1975. *Leptothorax (Nesomyrmex) mirassolis*, nova espécie de formiga da região norte-ocidental do estado de São Paulo, Brasil (Hymenoptera, Formicidae). *Revista Brasileira de Entomologia*, 19: 79-83.
- DINIZ, J.L.M. 1990. Revisão sistemática da tribo Stegomyrmicini (*sic*), com a descrição de uma nova espécie (Hymenoptera, Formicidae). *Revista Brasileira de Entomologia*, 34: 277-296.
- EMERY, C. 1870. Studi mirmecologici. *Bullettino della Società Entomologica Italiana*, 2: 193-201.
- EMERY, C. 1888[1887]. Formiche della provincia di Rio Grande do Sul nel Brasile, raccolte dal dott. Hermann von Ihering. *Bullettino della Società Entomologica Italiana*, 19: 352-366.
- EMERY, C. 1890. Voyage de M.E. Simon au Venezuela (Décembre 1887 – Avril 1888). Formicides. *Annales de la Société Entomologique de France*, (6)10: 55-76.
- EMERY, C. 1894. Studi sulle formiche della fauna Neotropica. *Bullettino della Società Entomologica Italiana*, 26: 137-241.
- EMERY, C. 1895. Beiträge zur Kenntniss der nordamerikanischen Ameisenfauna. (Schluss). *Zoologische Jahrbücher. Abtheilung für Systematik, Geographie und Biologie der Tiere*, 8: 257-360.
- EMERY, C. 1897. Formicidarum species novae vel minus cognitae in collectione Musaei Nationalis Hungarici, quas in Nova Guinea, colonia germanica, collegit L. Biró. *Természettudományi Füzetek*, 20: 571-599.

- EMERY, C. 1906[1905]. Studi sulle formiche della fauna neotropica. XXVI. *Bullettino della Società Entomologica Italiana*, 37: 107-194.
- EMERY, C. 1912. Etudes sur les Myrmicinae. *Annales de la Société Entomologique de Belgique*, 56: 94-105.
- ESTEVES, F.A.; BRANDÃO, C.R.F. & PRADO, L.P. 2011. The type specimens of "dorylomorph" ants (Hymenoptera, Formicidae: Aenictinae, Ecitoninae, Cerapachyinae, Leptanilloidinae) deposited in the Museu de Zoologia da Universidade de São Paulo, Brazil. *Papéis Avulsos de Zoologia*, 51(22): 341-357.
- FEITOSA, R.M. & BRANDÃO, C.R.F. 2008. A taxonomic revision of the Neotropical myrmicine ant genus *Lachnomyrmex* Wheeler (Hymenoptera: Formicidae). *Zootaxa*, 1890: 1-49.
- FEITOSA, R.M.; BRANDÃO, C.R.F. & DIETZ, B.H. 2007. *Basicros scabognathus* (Brown, 1949) n. comb., with the first worker and male descriptions, and a revised generic diagnosis (Hymenoptera: Formicidae: Myrmicinae). *Papéis Avulsos de Zoologia*, 47: 15-26.
- FEITOSA, R.M.; BRANDÃO, C.R.F. & DINIZ, J.L.M. 2008. Revisionary studies on the enigmatic Neotropical ant genus *Stegomyrmex* Emery, 1912, with the description of two new species. *Journal of Hymenoptera Research*, 17: 64-82.
- FERNÁNDEZ, F. 2003a. Myrmicine ants of the genera *Ochetomyrmex* and *Tranopelta* (Hymenoptera: Formicidae). *Sociobiology*, 41: 633-661.
- FERNÁNDEZ, F. 2003b. Revision of the myrmicine ants of the *Adelomyrmex* genus-group (Hymenoptera, Formicidae). *Zootaxa*, 361: 1-52.
- FERNÁNDEZ, F. 2003c. Lista de las especies de hormigas de la región Neotropical. In: Fernández, F. (Ed.). *Introducción a las hormigas de la región Neotropical*. Bogota, Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. p. 379-411.
- FERNÁNDEZ, F. 2004. Adelomyrmecini new tribe and *Cryptomyrmex* new genus of myrmicine ants. *Sociobiology*, 44: 325-335.
- FERNÁNDEZ, F. & MACKAY, W.P. 2003. The myrmicine ants of the *Adelomyrmex laevigatus* species complex (Hymenoptera: Formicidae). *Sociobiology*, 41: 593-604.
- FERNÁNDEZ, F. & PALACIO, E.E. 1999. *Lenomyrmex*, an enigmatic new ant genus from the Neotropical Region. *Systematic Entomology*, 24: 7-16.
- FERNÁNDEZ, F.; DELABIE, J.H.C. & NASCIMENTO, I.C. 2009. *Diaphoromyrma* a new myrmicine ant genus from North Eastern Brazil. *Zootaxa*, 2204: 55-62.
- FOREL, A. 1886. Espèces nouvelles de fourmis Américaines. *Annales de la Société Entomologique de Belgique. Comptes-rendus*, 30(37): 49.
- FOREL, A. 1893. Formicides de l'Antille St. Vincent, récoltées par Mons. H.H. Smith. *Transactions of the Entomological Society of London*, 1893: 333-418.
- FOREL, A. 1899. *Biologia Centrali-Americana, Hymenoptera (Formicidae)*. London. v. 3, 169p.
- FOREL, A. 1903. Mélanges entomologiques, biologiques et autres. *Annales de la Société Entomologique de Belgique*, 47: 249-268.
- FOREL, A. 1904. Miscellanea myrmécologiques. *Revue Suisse de Zoologie*, 12: 1-52.
- FOREL, A. 1905. Miscellanea myrmécologiques II. *Annales de la Société Entomologique de Belgique*, 49: 155-185.
- FOREL, A. 1907. Formiciden aus dem Naturhistorischen Museum in Hamburg. II. Teil. Neueingänge seit 1900. *Mitteilungen aus dem Naturhistorischen Museum in Hamburg*, 24: 1-20.
- FOREL, A. 1908. Ameisen aus Sao Paulo (Brasilien), Paraguay etc. gesammelt von Prof. Herm. v. Ihering, Dr. Lutz, Dr. Fiebrig, etc. *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien*, 58: 340-418.
- FOREL, A. 1911. Ameisen des Herrn Prof. v. Ihering aus Brasilien (Sao Paulo usw.) nebst einigen anderen aus Südamerika und Afrika (Hym.). *Deutsche Entomologische Zeitschrift*, 1911: 285-312.
- FOREL, A. 1912a. Formicides néotropiques. Part II. 3me sous-famille Myrmicinae Lep. (Attini, Dacetii, Cryptocerini). *Mémoires de la Société Entomologique de Belgique*, 19: 179-209.
- FOREL, A. 1912b. Formicides néotropiques. Part III. 3me sous-famille Myrmicinae (suite). Genres *Cremastogaster* et *Pheidole*. *Mémoires de la Société Entomologique de Belgique*, 19: 211-237.
- FOREL, A. 1912c. Formicides Néotropiques. Part 4. 3me sous-famille Myrmicinae Lep. (suite). *Mémoires de la Société Entomologique de Belgique*, 20: 1-32.
- FOREL, A. 1913. Fourmis d'Argentine, du Brésil, du Guatemala & de Cuba reçues de M.M. Bruch, Prof. v. Ihering, Mlle Baez, M. Peper et M. Rovereto. *Bulletin de la Société Vaudoise des Sciences Naturelles*, 49: 203-250.
- FOREL, A. 1914a. Quelques fourmis de Colombie. *Mémoires de la Société des Sciences Naturelles*, 5(2): 9-14.
- FOREL, A. 1914b. Formicides d'Afrique et d'Amérique nouveaux ou peu connus. *Bulletin de la Société Vaudoise des Sciences Naturelles*, 50: 211-288.
- GREGG, R.E. 1950. A new species of *Pheidole* from the Southwest. *Journal of the New York Entomological Society*, 58: 89-93.
- ICZN – INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE. 1999. International Code of Zoological Nomenclature. 4th ed., London. Available at: <www.nhm.ac.uk/hosted-sites/iczn/code>. Access in 04.iv.2014.
- KEMPF, W.W. 1958. Sobre algumas formigas neotrópicas do gênero *Leptothorax* Mayr (Hymenoptera: Formicidae). *Anais da Academia Brasileira de Ciências*, 30: 91-102.
- KEMPF, W.W. 1959. A synopsis of the New World species belonging to the *Nesomyrmex*-group of the ant genus *Leptothorax* Mayr (Hymenoptera: Formicidae). *Studia Entomologica*, 2: 391-432.
- KEMPF, W.W. 1960a. Miscellaneous studies on Neotropical ants I. *Studia Entomologica*, 3: 417-466.
- KEMPF, W.W. 1960b. *Phalacromyrmex*, a new ant genus from southern Brazil. *Revista Brasileira de Biologia*, 20: 89-92.
- KEMPF, W.W. 1960c. Insecta Amapaensia – Hymenoptera: Formicidae (segunda contribuição). *Studia Entomologica*, 3: 385-400.
- KEMPF, W.W. 1961a. A survey of the ants of the soil fauna in Surinam. *Studia Entomologica*, 4: 481-524.
- KEMPF, W.W. 1961b. Remarks on the ant genus *Irogera* Emery, with the description of a new species. *Revista Brasileira de Biologia*, 21: 435-441.
- KEMPF, W.W. 1962. Miscellaneous studies on Neotropical ants. II. *Studia Entomologica*, 5: 1-38.
- KEMPF, W.W. 1963. Additions to the Neotropical ant genus *Rogeria* Emery, with a key to the hitherto recorded South American species. *Revista Brasileira de Biologia*, 23: 189-196.
- KEMPF, W.W. 1964. Miscellaneous studies on Neotropical ants. III. *Studia Entomologica*, 7: 45-71.
- KEMPF, W.W. 1965. Nota preliminar sobre algumas formigas neotropicas, descritas por Frederick Smith. *Revista Brasileira de Biologia*, 25: 181-186.
- KEMPF, W.W. 1967. Three new South American ants (Hym. Formicidae). *Studia Entomologica*, 10: 353-360.
- KEMPF, W.W. 1968. Miscellaneous studies on Neotropical ants. IV. (Hymenoptera, Formicidae). *Studia Entomologica*, 11: 369-415.
- KEMPF, W.W. 1972. A study of some Neotropical ants of genus *Pheidole* Westwood. I. (Hymenoptera: Formicidae). *Studia Entomologica*, 15: 449-464.
- KEMPF, W.W. 1973. A revision of the Neotropical myrmicine ant genus *Hylomyrma* Forel. *Studia Entomologica*, 16: 225-260.
- KEMPF, W.W. & BROWN JR., W.L. 1968. Report on some Neotropical ant studies. *Papéis Avulsos de Zoologia*, 22: 89-102.
- KETTERL, J.; VERHAAGH, M. & DIETZ, B.H. 2004. *Eurhopalothrix depressa* sp. n. (Hymenoptera: Formicidae) from southern

- Brazil with a key to the Neotropical taxa of the genus. *Studies on the Neotropical Fauna and Environment*, 39: 45-48.
- KLINGENBERG, C. & BRANDÃO, C.R.F. 2005. The type specimens of fungus growing ants, Attini (Hymenoptera, Formicidae, Myrmicinae) deposited in the Museu de Zoologia da Universidade de São Paulo, Brazil. *Papéis Avulsos de Zoologia*, 45(4): 41-50.
- KUGLER, C. 1994. Revision of the ant genus *Rogeria* with descriptions of the sting apparatus. *Journal of Hymenoptera Research*, 3: 17-89.
- KUSNEZOV, N. 1949. *Crematogaster* (*Neocrema*) *descolei* n. sp. (Hymenoptera, Formicidae). *Acta Zoologica Lilloana*, 8: 587-590.
- KUSNEZOV, N. 1951. El género *Pogonomyrmex* Mayr. *Acta Zoologica Lilloana*, 11: 227-333.
- KUSNEZOV, N. 1952a. El género *Wasmannia* en la Argentina (Hymenoptera, Formicidae). *Acta Zoologica Lilloana*, 10: 173-182.
- KUSNEZOV, N. 1952b[1951]. El género *Pheidole* en la Argentina (Hymenoptera, Formicidae). *Acta Zoologica Lilloana*, 12: 5-88.
- LANDIM, M.I.P.F. 2011. Museu de Zoologia da Universidade de São Paulo: adaptação aos novos tempos. *Estudos Avançados*, 25: 205-216.
- LATREILLE, P.A. 1804. Tableau méthodique des insectes. Classe huitième. Insectes, Insecta. *Nouveau Dictionnaire d'Histoire Naturelle*, 24: 129-200.
- LONGINO, J.T. 2003. The *Crematogaster* (Hymenoptera, Formicidae, Myrmicinae) of Costa Rica. *Zootaxa*, 151: 1-150.
- LONGINO, J.T. 2009. Additions to the taxonomy of New World *Pheidole* (Hymenoptera: Formicidae). *Zootaxa*, 2181: 1-90.
- LONGINO, J.T. 2012. A review of the ant genus *Adelomyrmex* Emery, 1897 in Central America. *Zootaxa*, 3456: 1-35.
- LONGINO, J.T. 2013a. A review of the Central American and Caribbean Species of the ant genus *Eurhopalothrix* Brown & Kempf, 1961 (Hymenoptera, Formicidae), with a key to New World species. *Zootaxa*, 3693: 101-151.
- LONGINO, J.T. 2013b. A revision of the ant genus *Octostruma* Forel, 1912 (Hymenoptera, Formicidae). *Zootaxa*, 3699: 1-61.
- LONGINO, J.T. & BOUDINOT, B.E. 2013. New species of Central American *Rhopalothrix* Mayr, 1870 (Hymenoptera, Formicidae). *Zootaxa*, 3616: 301-324.
- LUND, P.W. 1831. Lettre sur les habitudes de quelques fourmis du Brésil, adressée à M. Audouin. *Annales des Sciences Naturelles*, 23: 113-138.
- MACKAY, W.P. 2000. A review of the New World ants of the subgenus *Myrafant* (genus *Leptothorax*) (Hymenoptera: Formicidae). *Sociobiology*, 36: 265-444.
- MANN, W.M. 1920. Additions to the ant fauna of the West Indies and Central America. *Bulletin of the American Museum of Natural History*, 42: 403-439.
- MANN, W.M. 1922. Ants from Honduras and Guatemala. *Proceedings of the United States National Museum*, 61: 1-54.
- MARQUES, T.; VÁSQUEZ-BOLAÑOS M. & QUESADA, M. 2011. A new species of the genus *Tetramorium* from Chamela, Jalisco, Mexico. *Sociobiology*, 57: 115-122.
- MAYR, G. 1853. Beiträge zur Kenntniss der Ameisen. *Verhandlungen der Zoologisch-Botanischen Vereins in Wien*, 3: 101-114.
- MAYR, G. 1855. Formicina austriaca. Beschreibung der bisher im Österreichischen Kaiserstaate aufgefundenen Ameisen nebst Hinzufügung jener in Deutschland, in der Schweiz und in Italien vorkommenden Ameisen. *Verhandlungen des Zoologisch-Botanischen Vereins in Wien*, 5: 273-478.
- MAYR, G. 1861. *Die europäischen Formiciden. Nach der analytischen Methode bearbeitet.* Wien, C. Gerolds Sohn. 80p.
- MAYR, G. 1862. Myrmecologische Studien. *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien*, 12: 649-776.
- MAYR, G. 1866. Diagnosen neuer und wenig gekannter Formiciden. *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien*, 16: 885-908.
- MAYR, G. 1868. Formicidae novae americanae collectae a Prof. P. de Strobel. *Annuario della Società dei Naturalisti Modena*, 3: 161-178.
- MAYR, G. 1870. Formicidae novogranadenses. *Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften in Wien. Mathematisch-Naturwissenschaftliche Classe*, 61: 370-417.
- MAYR, G. 1878[1877]. Formiciden gesammelt in Brasilien von Professor Trail. *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien*, 27: 867-878.
- MAYR, G. 1887. Südamerikanische Formiciden. *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien*, 37: 511-632.
- MENOZZI, C. 1926. Neue Ameisen aus Brasilien. *Zoologischer Anzeiger*, 69: 68-72.
- MENOZZI, C. 1931. Contribuzione alla conoscenza del "Microgen-ton" di Costa Rica. III. Hymenoptera – Formicidae. *Bollettino del Laboratorio di Zoologia Generale e Agraria della Reale Scuola Superiore d'Agricoltura, Portici*, 25: 259-274.
- MENOZZI, C. 1936. Due nuovi Dacetini di Costa Rica e descrizione della larva di uno di essi (Hymenoptera: Formicidae). *Arbeiten über Morphologische und Taxonomische Entomologie aus Berlin-Dahlem*, 3(2): 81-85.
- PERRAULT, G.H. 1988. *Octostrumma* [sic] *betschi*, n. sp. de Guyane Française (Hymenoptera, Formicidae). *Revue Française d'Entomologie*, 10: 303-307.
- PRADO, L.P. & BRANDÃO, C.R.F. 2013. Catalogue of Cephalotini ant types (Hymenoptera, Formicidae, Myrmicinae) deposited in the Museu de Zoologia da Universidade de São Paulo, Brazil. *Papéis Avulsos de Zoologia*, 53(4): 187-209.
- ROGER, J. 1863. Die neu aufgeführten Gattungen und Arten meines Formiciden-Verzeichnisses nebst Ergänzung einiger früher gegebenen Beschreibungen. *Berliner Entomologische Zeitschrift*, 7: 131-214.
- SANTSCHI, F. 1912. Quelques nouvelles variétés de fourmis africaines. *Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord*, 3: 147-149.
- SANTSCHI, F. 1916[1915]. Descriptions de fourmis nouvelles d'Afrique et d'Amérique. *Annales de la Société Entomologique de France*, 84: 497-513.
- SANTSCHI, F. 1919. Nouveaux formicides de la République Argentine. *Anales de la Sociedad Científica Argentina*, 87: 37-57.
- SANTSCHI, F. 1921. Ponerinae, Dorylinae et quelques autres formicides néotropiques. *Bulletin de la Société Vaudoise des Sciences Naturelles*, 54: 81-103.
- SANTSCHI, F. 1922a. Description de nouvelles fourmis de l'Argentine et pays limitrophes. *Anales de la Sociedad Científica Argentina*, 94: 241-262.
- SANTSCHI, F. 1922b. Myrmicines, dolichodérines et autres formicides néotropiques. *Bulletin de la Société Vaudoise des Sciences Naturelles*, 54: 345-378.
- SANTSCHI, F. 1923a. Descriptions de quelques nouvelles fourmis du Brésil. *Revista do Museu Paulista*, 13: 1255-1264.
- SANTSCHI, F. 1923b. *Pheidole* et quelques autres fourmis néotropiques. *Annales de la Société Entomologique de Belgique*, 63: 45-69.
- SANTSCHI, F. 1925a. Fourmis des provinces Argentine de Santa Fe, Catamarca, Santa Cruz, Córdoba et Los Andes. *Comunicaciones del Museo Nacional de Historia Natural "Bernardino Rivadavia"*, 2: 149-168.
- SANTSCHI, F. 1925b. Nouveaux Formicides brésiliens et autres. *Bulletin et Annales de la Société Entomologique de Belgique*, 65: 221-247.
- SANTSCHI, F. 1929. Nouvelles fourmis de la République Argentine et du Brésil. *Anales de la Sociedad Científica Argentina*, 107: 273-316.

- SANTSCHI, F. 1936. Contribution à l'étude des fourmis de l'Amérique du Sud. *Revista de Entomologia*, 6: 196-218.
- SCHULZ, W.A. 1906. *Spolia hymenopterologica*. Paderborn, Junfermannsche Buchhandlung, 355p.
- SCOTT-SANTOS, C.P.; ESTEVES, F.A. & BRANDÃO, C.R.F. 2008. Catalogue of "poneromorph" ant type specimens (Hymenoptera, Formicidae) deposited in the Museu de Zoologia da Universidade de São Paulo, Brazil. *Papéis Avulsos de Zoologia*, 48(11): 75-88.
- SMITH, F. 1851. *List of the Specimens of British Animals in the Collection of the British Museum 6. Hymenoptera Aculeata*. London, 134p.
- SMITH, F. 1858. *Catalogue of Hymenopterous Insects in the Collection of the British Museum 6. Formicidae*. London, 216p.
- SMITH, M.R. 1962. A remarkable new *Stenammina* from Costa Rica, with pertinent facts on other Mexican and Central American species. *Journal of the New York Entomological Society*, 70: 33-38.
- ULYSSÉA, M.A. & BRANDÃO, C.R.F. 2013. Catalogue of Dacetini and Solenopsidini ant type specimens (Hymenoptera, Formicidae, Myrmicinae) deposited in the Museu de Zoologia da Universidade de São Paulo, Brazil. *Papéis Avulsos de Zoologia*, 53(4): 187-209.
- WARD, P.; BRADY, S.; FISHER, B.L. & SCHULTZ, T. 2014. The Evolution of myrmicine ants: phylogeny and biogeography of a hyperdiverse ant clade (Hymenoptera: Formicidae). *Systematic Entomology*, DOI: 10.1111/syen.12090.
- WARD, P.S. 2005. A synoptic review of the ants of California (Hymenoptera: Formicidae). *Zootaxa*, 936: 1-68.
- WARD, P.S. 2007. Phylogeny, classification, and species-level taxonomy of ants (Hymenoptera: Formicidae). *Zootaxa*, 1668: 549-563.
- WEBER, N.A. 1934. Notes on Neotropical ants, including the descriptions of new forms. *Revista de Entomologia*, 4: 22-59.
- WEBER, N.A. 1939. Description of new North American species and subspecies of *Myrmica* Latreille (Hym.: Formicidae). *Lloydia*, 2: 144-152.
- WEBER, N.A. 1948. A revision of the North American ants of the genus *Myrmica* Latreille, with a synopsis of the Palearctic species. 2. *Annals of the Entomological Society of America*, 41: 267-308.
- WESTWOOD, J.O. 1839. *An Introduction to the Modern Classification of Insects; founded on the natural habits and corresponding organization of the different families*. London, Longman, v. 2.
- WHEELER, G.C. & WHEELER, J. 1972. Ant larvae of the subfamily Myrmicinae: second supplement on the tribes Myrmicini and Pheidolini. *Journal of the Georgia Entomological Society*, 7: 233-246.
- WHEELER, W.M. 1903. A revision of the North American ants of the genus *Leptothorax* Mayr. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 55: 215-260.
- WHEELER, W.M. 1908. The ants of Jamaica. *Bulletin of the American Museum of Natural History*, 24: 159-163.
- WHEELER, W.M. 1910. Three new genera of myrmicine ants from tropical America. *Bulletin of the American Museum of Natural History*, 28: 259-265.
- WHEELER, W.M. 1913. Ants collected in the West Indies. *Bulletin of the American Museum of Natural History*, 32: 239-244.
- WHEELER, W.M. 1915. Two new genera of myrmicine ants from Brasil. *Bulletin of the Museum of Comparative Zoology*, 59: 483-491.
- WHEELER, W.M. 1916a. Ants collected in British Guiana by the expedition of the American Museum of Natural History during 1911. *Bulletin of the American Museum of Natural History*, 35: 1-14.
- WHEELER, W.M. 1916b. Ants carried in a floating log from the Brazilian mainland to San Sebastian Island. *Psyche*, 23: 180-183.
- WHEELER, W.M. 1921. The *Tachigalia* ants. *Zoologica*, 3: 137-168.
- WHEELER, W.M. 1931. New and little-known ants of the genera *Macromischa*, *Creosomyrmex* and *Antillaemyrmex*. *Bulletin of the Museum of Comparative Zoology*, 72: 1-34.
- WHEELER, W. M. 1937. Ants mostly from the mountains of Cuba. *Bulletin of the Museum of Comparative Zoology*, 81: 439-465.
- WILD, A.L. 2007. A catalogue of the ants of Paraguay (Hymenoptera: Formicidae). *Zootaxa*, 1622: 1-55.
- WILSON, E.O. 2003. *Pheidole in the New World. A dominant, hyperdiverse ant genus*. Harvard University Press, Cambridge, USA, ix + 794p.
- WILSON, E.O. & TAYLOR, R.W. 1967. The ants of Polynesia. *Pacific Insects Monograph*, 14: 1-109.

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APPENDIX

TABLE 1: Myrmicinae tribes' classification following Ward *et al.* (2014), the traditional tribes and the included genera.

Tribes (Ward <i>et al.</i> , 2014)	Traditional tribes	Genera
Attini	Attini	<i>Acromyrmex</i> , <i>Apterostigma</i> , <i>Atta</i> , <i>Attaichnus</i> , <i>Cyatta</i> , <i>Cyphomyrmex</i> , <i>Kalathomyrmex</i> , <i>Mycetagroicus</i> , <i>Mycetarotes</i> , <i>Mycetophylax</i> , <i>Mycetosoritis</i> , <i>Mycocephurus</i> , <i>Myrmicocrypta</i> , <i>Paramyctetophylax</i> , <i>Pseudoatta</i> , <i>Sericomyrmex</i> and <i>Trachymyrmex</i>
	Basicerotini	<i>Basiceros</i> , <i>Eurhopalothrix</i> , <i>Octostruma</i> , <i>Protalaridris</i> , <i>Rhopalothrix</i> and <i>Talaridris</i>
	Blepharidattini	<i>Blepharidatta</i> and <i>Wasmannia</i>
	Cephalotini	<i>Cephalotes</i> and <i>Procrystocerus</i>
	Dacetini	<i>Acanthognathus</i> , <i>Colobostruma</i> , <i>Daceton</i> , <i>Epopostruma</i> , <i>Mesostruma</i> , <i>Microdaceton</i> , <i>Orectognathus</i> and <i>Strumigenys</i>
	Formicoxenini	<i>Ochetomyrmex</i>
	Lenomyrmecini	<i>Lenomyrmex</i>
	Phalacromyrmecini	<i>Phalacromyrmex</i> , <i>Isbakidris</i> and <i>Pilotrochus</i>
	Pheidolini	<i>Chimaeridris</i> and <i>Pheidole</i>
	Solenopsidini	<i>Allomerus</i> and <i>Tranopelta</i>
	Stenammini	<i>Lachnomyrmex</i>
	<i>Incertae sedis</i> in Myrmicinae	<i>Diaphoromyrma</i>
Crematogastrini	Cataulacini	<i>Cataulacus</i>
	Crematogastrini	<i>Crematogaster</i> , <i>Malagidris</i> , <i>Myrmisaraka</i> , <i>Recurvidris</i> , <i>Royidris</i> and <i>Vitsika</i>
	Formicoxenini	<i>Atopomyrmex</i> , <i>Cardiocondyla</i> , <i>Dilobocondyla</i> , <i>Eocenomyrma</i> , <i>Formicoxenus</i> , <i>Gauromyrmex</i> , <i>Harpagoxenus</i> , <i>Leptothorax</i> , <i>Nesomyrmex</i> , <i>Peronomyrmex</i> , <i>Podomyrma</i> , <i>Poecilomyrma</i> , <i>Romblonella</i> , <i>Rotastruma</i> , <i>Stereomyrmex</i> , <i>Temnothorax</i> , <i>Terataner</i> , <i>Vombisidris</i> and <i>Xenomyrmex</i> ; <i>Stignomyrmex</i> (<i>incertae sedis</i>)
	Liomyrmecini	<i>Liomyrmex</i>
	Melissotarsini	<i>Melissotarsus</i> and <i>Rhopalomastix</i>
	Meranoplini	<i>Meranoplus</i> and <i>Parameranoplus</i>
	Metaponini	<i>Metapone</i>
	Myrmecinini	<i>Acanthomyrmex</i> , <i>Myrmecina</i> , <i>Perissomyrmex</i> and <i>Pristomyrmex</i> ; <i>Enneamerus</i> and <i>Stiphromyrmex</i> (<i>incertae sedis</i>)
	Myrmicini	<i>Eutetramorium</i> , <i>Huberia</i> and <i>Secostruma</i>
	Paratopulini	<i>Paratopula</i>
	Pheidolini	<i>Kartidris</i> , <i>Lophomyrmex</i> and <i>Ocymyrmex</i> ; <i>Lonchomyrmex</i> (<i>incertae sedis</i>)
	Solenopsidini	<i>Adlerzia</i> , <i>Carebara</i> , <i>Diplomorium</i> , <i>Formosimyrmex</i> , <i>Mayriella</i> and <i>Trichomyrmex</i> ; <i>Hypopomyrmex</i> and <i>Oxydris</i> (<i>incertae sedis</i>)
	Stenammini	<i>Ancyridris</i> , <i>Calyptomyrmex</i> , <i>Cyphoidris</i> , <i>Dacatria</i> , <i>Dacatinops</i> , <i>Dicroaspis</i> , <i>Goaligongidris</i> , <i>Indomyrma</i> , <i>Lasiomyrma</i> , <i>Lordomyrma</i> , <i>Proatta</i> , <i>Propodilobus</i> , <i>Rostromyrmex</i> , <i>Tetheamyrma</i> and <i>Vollenhovia</i>
	Tetramoriini	<i>Strongylognathus</i> and <i>Tetramorium</i>
Myrmicini	<i>Manica</i> , <i>Myrmica</i> , <i>Plesiomyrmex</i> and <i>Protomyrmica</i>	
Pogonomyrmecini	<i>Hylomyrma</i> and <i>Pogonomyrmex</i>	
Solenopsidini	Adelomyrmecini	<i>Adelomyrmex</i> , <i>Baracidris</i> and <i>Cryptomyrmex</i>
	Myrmicariini	<i>Myrmicaria</i>
	Solenopsidini	<i>Anillomyrma</i> , <i>Bondroitia</i> , <i>Dolopomyrmex</i> , <i>Epelysidris</i> , <i>Kempfidris</i> , <i>Megalomyrmex</i> , <i>Monomorium</i> , <i>Oxyepoecus</i> , <i>Solenopsis</i> , <i>Syllophopsis</i> and <i>Tropidomyrmex</i>
	Stegomyrmecini	<i>Stegomyrmex</i>
	Stenammini	<i>Austromorium</i> , <i>Bariamyrmex</i> and <i>Rogeria</i>
		<i>Incertae sedis</i> in Myrmicinae
Stenammini	Pheidolini	<i>Aphaenogaster</i> , <i>Goniomma</i> , <i>Messor</i> , <i>Oxyopomyrmex</i> and <i>Veromessor</i> ; <i>Paraphaenogaster</i> (<i>incertae sedis</i>)
	Stenammini	<i>Stenamma</i>

TABLE 2: Currently valid names of the listed taxa, followed by their original names and synonyms (if applicable).

Tribe Genus	Valid Species Name	Original Name	Synonym
Adelomyrmecini			
<i>Adelomyrmex</i>	<i>A. anxioalor</i>		
	<i>A. betoi</i>		
	<i>A. bispeculum</i>		
	<i>A. dentivagans</i>		
	<i>A. laevigatus</i>		
	<i>A. longinoi</i>		
	<i>A. marginodus</i>		
	<i>A. metzabok</i>		
	<i>A. micans</i>		
	<i>A. nortenyoi</i>		
	<i>A. paratristani</i>		
	<i>A. quetzal</i>		
	<i>A. robustus</i>		
	<i>A. samoanus</i>		
<i>A. striatus</i>			
<i>A. tristani</i>	<i>Apsychomyrmex tristani</i>	<i>Adelomyrmex brevispinosus</i>	
<i>A. vaderi</i>			
<i>Cryptomyrmex</i>	<i>C. longinodus</i>	<i>Adelomyrmex longinodus</i>	
Basicerotini			
<i>Basiceros</i>	<i>B. convexiceps</i>	<i>B. squamifer</i>	
	<i>B. manni</i>		
	<i>B. scambognathus</i>	<i>Creightonidris scambognatha</i>	
<i>Eurhopalothrix</i>	<i>E. australis</i>		
	<i>E. bolau</i>	<i>Rhopalothrix bolau</i>	<i>E. amoena</i>
	<i>E. bruchi</i>	<i>Rhopalothrix bruchi</i>	
	<i>E. cim</i>		
	<i>E. circumcapillum</i>		
	<i>E. depressa</i>		
	<i>E. gravis</i>	<i>Rhopalothrix gravis</i>	<i>E. reichenspergeri</i> <i>E. schmidti</i>
	<i>E. guadeloupensis</i>		
	<i>E. hunbau</i>		
	<i>E. lenkoi</i>		
	<i>E. ortizae</i>		
	<i>E. oscillum</i>		
	<i>E. pilulifera</i>		
	<i>E. semicapillum</i>		
	<i>E. speciosa</i>		
	<i>E. spectabilis</i>		
<i>E. xibalba</i>			
<i>Octostruma</i>	<i>O. ascrobis</i>		
	<i>O. balzani</i>	<i>Rhopalothrix balzani</i>	<i>O. lutzi</i>
	<i>O. betschi</i>		
	<i>O. cyrtinotum</i>		
	<i>O. excertirugis</i>		
	<i>O. gymnogon</i>		
	<i>O. iheringi</i>	<i>Rhopalothrix iheringi</i>	<i>O. godmani</i> <i>O. simony</i> <i>O. spei</i> <i>O. sulcata</i> <i>O. wighti</i>

Tribe Genus	Valid Species Name	Original Name	Synonym
	<i>O. inca</i>		
	<i>O. montanis</i>		
	<i>O. obtusidens</i>		
	<i>O. rugiferoides</i>		
	<i>O. stenognatha</i>		
	<i>O. triangulabrum</i>		
	<i>O. triquetrilabrum</i>		
	<i>O. trithrix</i>		
	<i>O. wheeleri</i>	<i>Rhopalothrix wheeleri</i>	
<i>Rhopalothrix</i>	<i>R. plaumanni</i>		<i>R. acutipilis</i>
Blepharidattini			
<i>Blepharidatta</i>	<i>B. brasiliensis</i>		
	<i>B. conops</i>		
<i>Wasmannia</i>	<i>W. scrobifera</i>		
	<i>W. williamsoni</i>		
Crematogastrini			
<i>Crematogaster</i>	<i>C. amapaensis</i>		
	<i>C. arcuata</i>		<i>C. arcuata</i> var. <i>aruga</i>
	<i>C. bingo</i>		
	<i>C. brasiliensis</i>		<i>C. brasiliensis</i> var. <i>cocciphila</i>
	<i>C. browni</i>		
	<i>C. bruchi</i>		
	<i>C. colei</i>		
	<i>C. crinosa</i>		<i>C. brevispinosa</i> r. <i>recurvispina</i> <i>C. brevispinosa</i> r. <i>sampaioi</i>
	<i>C. cristata</i>		<i>C. terricola</i>
	<i>C. cubaensis</i>		<i>C. barbouri</i>
	<i>C. distans</i>		<i>C. cordinola</i> <i>C. descolei</i> <i>C. distans</i> r. <i>paraenses</i> <i>C. distans</i> subsp. <i>parviceps</i> <i>C. distans</i> subsp. <i>vanda</i> <i>C. peusnerae</i>
	<i>C. erecta</i>		<i>C. virgula</i>
	<i>C. evallans</i>		<i>C. evallans</i> var. <i>carbonescens</i>
	<i>C. iberingi</i>		
	<i>C. indefensa</i>		
	<i>C. isolata</i>		
	<i>C. magnifica</i>		<i>C. magnifica</i> var. <i>nociva</i>
	<i>C. montana</i>	<i>C. brevispinosa</i> subsp. <i>montana</i>	
	<i>C. montezumia</i>		<i>C. montezumia</i> var. <i>functa</i>
	<i>C. mutans</i>		
	<i>C. navajoa</i>		
	<i>C. rifelna</i>		
	<i>C. rochai</i>		<i>C. brevispinosa</i> st. <i>malevolens</i>
	<i>C. subtonsa</i>	<i>C. brevispinosa</i> var. <i>subtonsa</i>	
	<i>C. scelenata taperensis</i>		
Formicoxenini			
<i>Nesomyrmex</i>	<i>N. argentinus</i>	<i>Leptothorax argentinus</i>	
	<i>N. brasiliensis</i>	<i>Leptothorax brasiliensis</i>	
	<i>N. brimodus</i>	<i>Leptothorax timidus</i>	
	<i>N. itinerans</i>	<i>Leptothorax itinerans</i>	
	<i>N. mirassolis</i>	<i>Leptothorax mirassolis</i>	

Tribe Genus	Valid Species Name	Original Name	Synonym
<i>Ochetomyrmex</i> <i>Temnothorax</i>	<i>N. pleuriticus</i>	<i>Leptothorax pleuriticus</i>	
	<i>N. rutilans</i>	<i>Leptothorax rutilans</i>	
	<i>N. schwebeli</i>	<i>Leptothorax schwebeli</i>	
	<i>N. spininodis</i>		<i>Leptothorax umbratilis</i>
	<i>N. tonsuratus</i>	<i>Leptothorax tonsuratus</i>	
	<i>O. semipolitus</i>		<i>Wasmannia subpolita</i>
	<i>T. aztecus</i>	<i>Macromischa azteca</i>	
	<i>T. emmae</i>	<i>Leptothorax emmae</i>	
	<i>T. josephi</i>	<i>Leptothorax josephi</i>	
	<i>T. nevadensis</i>	<i>Leptothorax lindae</i>	<i>T. lindae</i>
	<i>T. nigricans</i>	<i>Macromischa melanocephala</i>	
	<i>T. nitens</i>		<i>T. melinus</i>
	<i>T. punctaticeps</i>	<i>Leptothorax punctaticeps</i>	
<i>T. squamifer</i>	<i>Macromischa squamifera</i>	<i>M. squamifera</i> var. <i>atrinodis</i>	
<i>T. whitfordi</i>	<i>Leptothorax whitfordi</i>		
Lenomyrmecini			
<i>Lenomyrmex</i>	<i>L. foveolatus</i>		
	<i>L. mandibularis</i>		
	<i>L. wardi</i>		
Myrmicini			
<i>Hylomyrma</i>	<i>H. balzani</i>		<i>Lundella speciosa</i>
	<i>H. blandiens</i>		
	<i>H. dolichops</i>		
	<i>H. immanis</i>		
	<i>H. longiscapa</i>		
	<i>H. praepotens</i>		
	<i>H. sagax</i>		
	<i>H. transversa</i>		
	<i>H. versuta</i>		
<i>Myrmica</i>	<i>M. hamulata trullicornis</i>	<i>M. sabuleti trullicornis</i>	
<i>Pogonomyrmex</i>	<i>P. cunicularius</i>		<i>P. cunicularis</i> var. <i>carnivora</i>
	<i>P. lobatus</i>		
	<i>P. marcusii</i>		
	<i>P. mendozanus</i>		
	<i>P. rastratus</i>		<i>P. weiseri</i>
	<i>P. variabilis</i>	<i>P. vermiculatus</i> var. <i>variabilis</i>	
Phalacromyrmecini			
<i>Phalacromyrmex</i>	<i>P. fugax</i>		
Pheidolini			
<i>Aphaenogaster</i>	<i>A. honduriana</i>		
<i>Pheidole</i>	<i>Nomen nudum</i>	<i>P. guilelmimuelleri</i> subsp. <i>heyeri</i> var. <i>injuncta</i>	
	<i>P. angusta</i>		<i>P. idulis</i>
	<i>P. arcifera</i>		
	<i>P. bigote</i>		
	<i>P. borgmeieri</i>		
	<i>P. branstetteri</i>		
	<i>P. breviseta</i>	<i>P. flavens</i> st. <i>breviseta</i>	
	<i>P. bucculenta</i>	<i>P. guilelmimuelleri</i> subsp. <i>bucculenta</i>	
	<i>P. camptostela</i>		
	<i>P. carinote</i>		
	<i>P. clydei</i>		
	<i>P. cocciphaga</i>		

Tribe Genus	Valid Species Name	Original Name	Synonym
	<i>P. coffeicola</i>		
	<i>P. cramptoni</i>		<i>P. petiolicola</i>
	<i>P. dinophila</i>		
	<i>P. durionei</i>	<i>P. wolfringi</i> st. <i>durionei</i>	
	<i>P. dyctiota</i>		
	<i>P. eidmanni</i>		
	<i>P. embolopyx</i>		
	<i>P. eowilsoni</i>		
	<i>P. epiphyta</i>		
	<i>P. fossimandibula</i>		
	<i>P. gibba</i>		<i>P. gibba</i> var. <i>lopesi</i>
	<i>P. gibbata</i>	<i>P. transversostriata</i> subsp. <i>gibbata</i>	
	<i>P. gymnoceras</i>		
	<i>P. janzeni</i>		
	<i>P. karolsetosa</i>		
	<i>P. laevinota</i>	<i>P. rufipilis</i> var. <i>laevinota</i>	
	<i>P. lagunculinoda</i>		
	<i>P. leoncortesi</i>		
	<i>P. lutzi</i>		<i>P. heinzi</i>
	<i>P. mesomontana</i>		
	<i>P. oxyops</i>		<i>P. genalis</i> <i>P. oxyops</i> subsp. <i>regia</i> <i>P. impariceps</i>
	<i>P. peregrina</i>		
	<i>P. phanigaster</i>		
	<i>P. picobarva</i>		
	<i>P. punctithorax</i>		
	<i>P. purpurea</i>		
	<i>P. rhinomontana</i>		
	<i>P. rufipilis</i>		<i>P. rufipilis</i> var. <i>divexa</i> <i>P. impia</i> <i>P. rata</i>
	<i>P. schmalzi</i>		
	<i>P. schwarzmaieri</i>		
	<i>P. sensitiva</i>		
	<i>P. sospes</i>	<i>P. anastasi</i> var. <i>sospes</i>	<i>P. minutissima</i>
	<i>P. susannae</i>		<i>P. incisa</i> subsp. <i>evoluta</i>
	<i>P. synanthropica</i>		
	<i>P. tetrica</i>		
	<i>P. tijucana</i>		
	<i>P. vafra</i>		<i>P. idiota</i>
	<i>Incertae sedis in Pheidole</i>	<i>P. pubiventris</i> var. <i>foederalis</i>	
Stegomyrmecini			
<i>Stegomyrmex</i>	<i>S. bensoni</i>		
	<i>S. olindae</i>		
	<i>S. vizzotoi</i>		
Stenammini			
<i>Lachnomyrmex</i>	<i>L. amazonicus</i>		
	<i>L. fernandezi</i>		
	<i>L. laticeps</i>		
	<i>L. longinoi</i>		
	<i>L. nordestinus</i>		
	<i>L. plaumanni</i>		
	<i>L. regularis</i>		
	<i>L. victori</i>		

Tribe Genus	Valid Species Name	Original Name	Synonym
<i>Rogeria</i>	<i>R. blanda</i>		<i>Irogera foveata</i>
	<i>R. carinata</i>		
	<i>R. ciliosa</i>		
	<i>R. cornuta</i>		
	<i>R. gibba</i>		
	<i>R. innotabilis</i>		
	<i>R. lacertosa</i>		
	<i>R. leptonana</i>		
	<i>R. lirata</i>		
	<i>R. merenbergiana</i>		
	<i>R. micromma</i>		
	<i>R. pellecta</i>		
	<i>R. scobinata</i>		
<i>R. sicaria</i>			
	<i>R. subarmata</i>	<i>Irogera subarmata</i>	
<i>Stenammas</i>	<i>S. expositum</i>		
Tetramoriini			
<i>Tetramorium</i>	<i>T. azcatlantlium</i>		
	<i>T. simillimum</i>		<i>W. auropunctata brevispinosa</i>
Incertae Sedis			
<i>Diaphoromyrma</i>	<i>D. sofiae</i>		