

Flies of Boraceia: a preliminary list of Diptera (Insecta) recorded at the Estação Biológica de Boraceia, São Paulo, Brazil

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Abstract. This study marks the 70th anniversary of the Boraceia Biological Station (EBB), a key research site in the Atlantic Forest since 1954, managed by MZUSP since 1969. It presents the first checklist of Diptera from EBB, based on literature and museum specimens. Currently, 721 species, belonging to 312 genera and 57 families, are known from EBB, including 193 species described from the area. These numbers are likely underestimated, as they are based on multiple short-term studies; to date, no comprehensive, long-term inventory specifically targeting Diptera has been conducted in the area. Among the species examined, 56 are new records for the state of São Paulo and 13 for Brazil. The three most species-rich families are Mycetophilidae, Drosophilidae, and Muscidae, while the three most diverse in the number of genera are Tachinidae, Asilidae, and Muscidae. These findings reinforce EBB's role as a Diptera biodiversity hotspot and highlight the need for expanded research infrastructure and taxonomic expertise across Brazilian biomes. This checklist provides a foundation for future research in taxonomy, biogeography, and evolution.

Keywords. Biodiversity; Checklist; Diptera; Insecta; Atlantic Forest.

INTRODUCTION

The Atlantic Forest once covered most of eastern Brazil, but due to a long history of deforestation (Dean, 1996; Marques *et al.*, 2021), it has now been reduced to just 28.06% of its original forest cover (MapBiomas, 2023). This scenario may lead to species extinctions, the loss of ecosystem services, and a reduced capacity to tackle climate change, challenging the effectiveness of the mechanisms currently used to curb deforestation (Amaral *et al.*, 2025). This biome is one of the world's major biodiversity hotspots, notable for its high species diversity and levels of endemism (Scarano, 2002). Globally recognized as one of the top five global biodiversity hotspots for conservation priorities (Myers *et al.*, 2000; Sloan *et al.*, 2014; Amaral *et al.*, 2025), the Atlantic Forest encompasses a range of ecosystems, such as rainforests, semi-deciduous forests, the southern subtropical Araucaria forests, and the northeastern Brejo forests enclaves (Oliveira-Filho & Fontes, 2000).

The "Estação Biológica de Boraceia (Boraceia Biological Station) – EBB" (Figs. 1 and 2) was established as a conservation unit in 1954 and transferred to the "Departamento de Zoologia da Secretaria de Agricultura do Estado de São Paulo" (Travassos Filho & Camargo, 1958). Since 1969, it has been operated by the Museu de Zoologia da Universidade de São Paulo (Museum of Zoology at the University of São Paulo) – MZUSP. The EBB, a key site for biological research, is located about 80 km east of the municipality of São Paulo (23°38'S, 45°52'W), at 900 m above sea level (Fig. 1). Since its establishment, the sta-

tion has supported field studies on taxonomy, biodiversity, ecology, conservation biology, and environmental change (Duarte *et al.*, 2024, 2025). Furthermore, the EBB has played an important role in training young dipterists, particularly through the graduate course "Dipterology", coordinated by Carlos Lamas and Silvio Nihei, which is regularly offered to PhD and Master students from various Brazilian institutions. The MZUSP's facilities at EBB support hands-on activities in the course, including collection methods and on-site taxon identification.

Brazil is one of the most biodiverse regions in the world, a richness clearly reflected in its vast diversity of dipteran species (Rafael *et al.*, 2024a). To date, at least 12,194 species have been identified, distributed across 1,986 genera and 102 families (Rafael *et al.*, 2024b). There is, however, a significant lack of intensive collecting efforts across most Brazilian biomes, and even in relatively well-studied areas, the number of undescribed species remains remarkably high (Amorim, 2009). For instance, in historically well-surveyed regions of southern and southeastern Brazil, including the EBB, faunistic studies of Diptera are still scarce relative to the diversity that remains to be documented. The lack of knowledge on the dipterofauna is even more striking in other parts of the country, which remain largely undersampled, with a few exceptions, such as the studies by Riccardi *et al.* (2022) and Lamas *et al.* (2023). Overall, knowledge of the general fauna of Diptera and other insect groups remains insufficient (Haseyama *et al.*, 2024).

This study presents the first list of species of flies known to occur in the EBB area (Figs. 2 and 3), compiled

from a review of existing literature and an examination of museum specimens collected in the area since 1941. Despite the considerable number of Diptera species compiled herein, this knowledge is likely underestimated, as it derives from isolated, short-term studies. To date, no long-term inventory has been conducted to comprehen-

sively assess the dipteran fauna of the area. In the context of the progressive decline in fieldwork and low interest in natural history, this updated checklist provides a foundation for further studies on taxonomy, biogeography, and evolution of Diptera from the Atlantic Forest, including further collecting in the EBB.

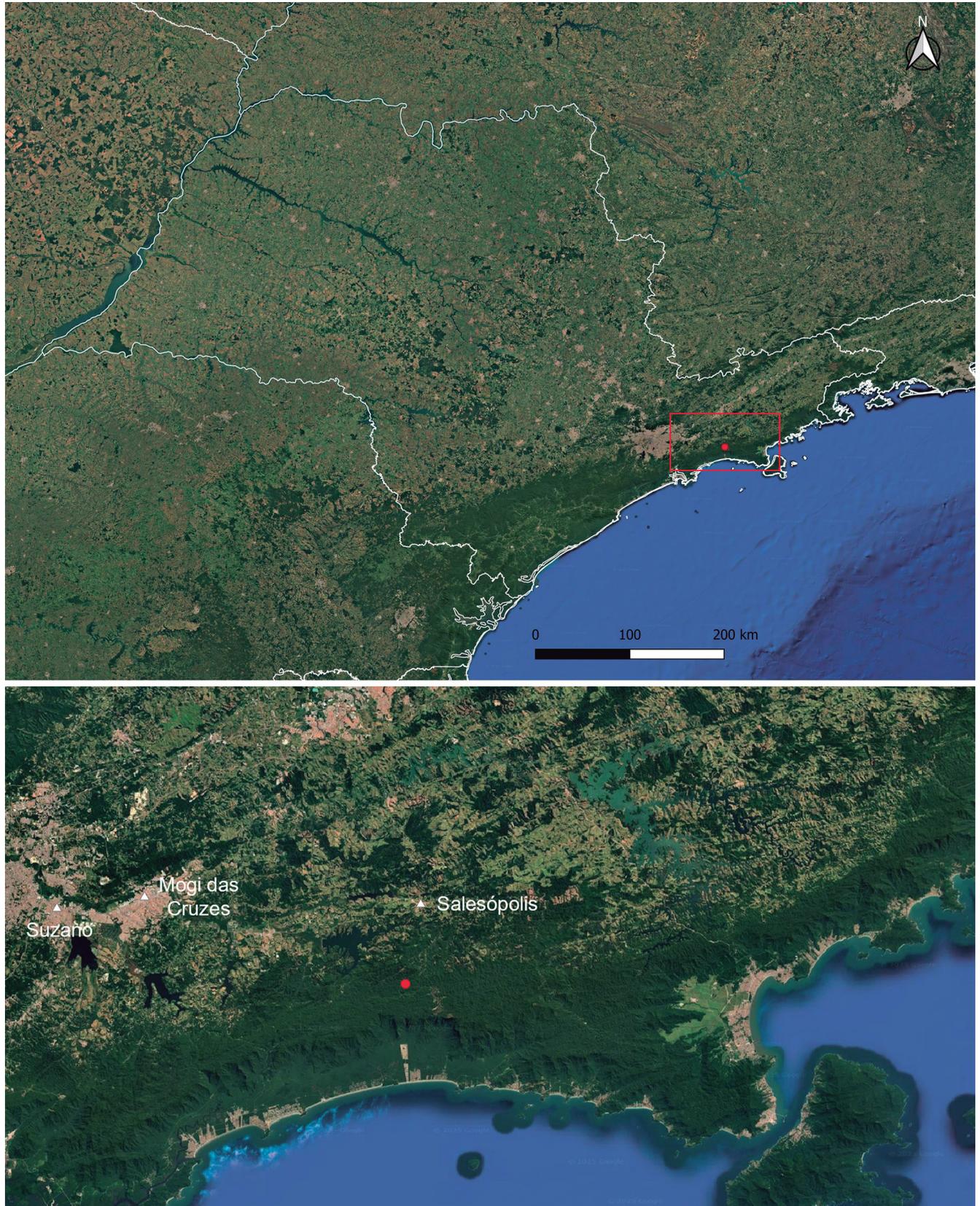


Figure 1. Map of the state of São Paulo highlighting the municipality of Salesópolis. The location of the Estação Biológica de Boraceia (EBB) is indicated by a red dot.

MATERIAL AND METHODS

The list of taxa known to occur in the EBB was primarily compiled using data from the Catálogo Taxonômico da Fauna do Brasil (CTFB) (Rafael *et al.*, 2025) and Neotropical catalogs, including those by Papavero (1962, 1967a, b, 1971, 1975, 1977a, b, 1978, 2009). The list was supplemented by examinations of specimens previously collected in the EBB and housed mainly in the Museu de Zoologia da Universidade de São Paulo and other collections listed below.

The checklist is organized according to the taxonomic rank of the Manual of Central American Diptera (Brown *et al.*, 2009), and within each family, taxa (subfamilies, genera, and species) are arranged alphabetically. The list includes the type locality and geographic distribution of each species, with Brazilian state records in parentheses. New Brazilian state records are underlined. For species recorded for the first time in the EBB, voucher label data are provided under “**Material examined**”, immediately following the species citation. Data in [] represents interpretations of the transcribed label information. The specialists who identified the material are listed in Table 1.

Abbreviations for the scientific collections used in the text: **CAS** = California Academy of Sciences, San Francisco, California, USA; **CNC** = National Collection of Insects, Arachnids and Nematodes, Agriculture and Agri-Food Canada, Ottawa, Ontario, Canada; **FSCA** = Florida State Collection of Arthropods, Gainesville, Florida, USA;

INPA = Instituto Nacional de Pesquisas da Amazônia, Manaus, Amazonas, Brazil; **MNRJ** = Museu Nacional, Rio de Janeiro, Rio de Janeiro, Brazil; **MZUSP** = Museu de Zoologia da Universidade de São Paulo, São Paulo, São Paulo, Brazil; **ZUFG** = Coleção Zoológica da Universidade Federal de Goiás, Goiânia, Goiás, Brazil.

RESULTS

The EBB checklist includes 721 species (Table 2, Fig. 4) and 312 genera across (Table 2, Fig. 5) 57 families of Diptera (Fig. 3), of which 193 species were described originally with EBB as the type locality. We recorded at least 56 species as new records for the state of São Paulo, 13 of which are also new records for Brazil (Table 2, Fig. 6).

The highest number of species with EBB as the type locality described in a single year was in 1948, with 31 species described, followed by 1954 (23), 1950 (22), and 1959 (11) (Fig. 7). Of these, most species were described by John Lane (80 species), while Charles Paul Alexander and Edward Irving Coher each described 23 species (Fig. 8).

Our results show that the richest family in the number of species is Mycetophilidae, with 136 recorded species, followed by Drosophilidae (86 species), Muscidae (62), Tachinidae (49), Tabanidae (43), Syrphidae (41), Asilidae (40), Chironomidae (30), Stratiomyidae (21), and Limoniidae (17) (Table 2, Fig. 4). Together, these 10 most species-rich families account for approximately 71% of EBB's

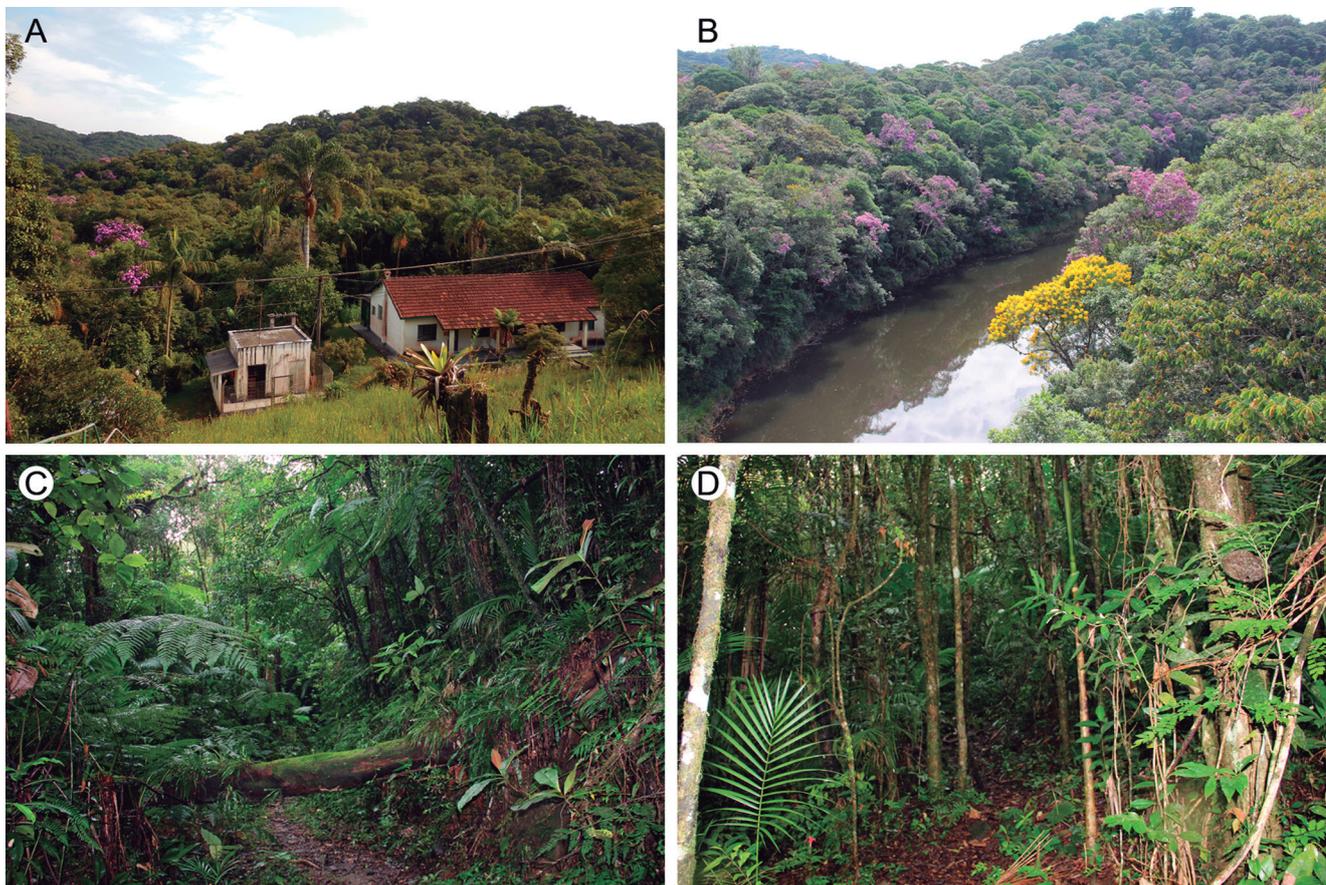


Figure 2. The EBB facilities. (A) Partial aerial view of the main area of the EBB, showing one of the guest houses and the power generator facilities. (B) View of the Atlantic Forest and a section of the Claro River, which flows through the area. (C-D) Trails within the Atlantic Forest biome at the EBB. Photos: Carlos J.E. Lamas.

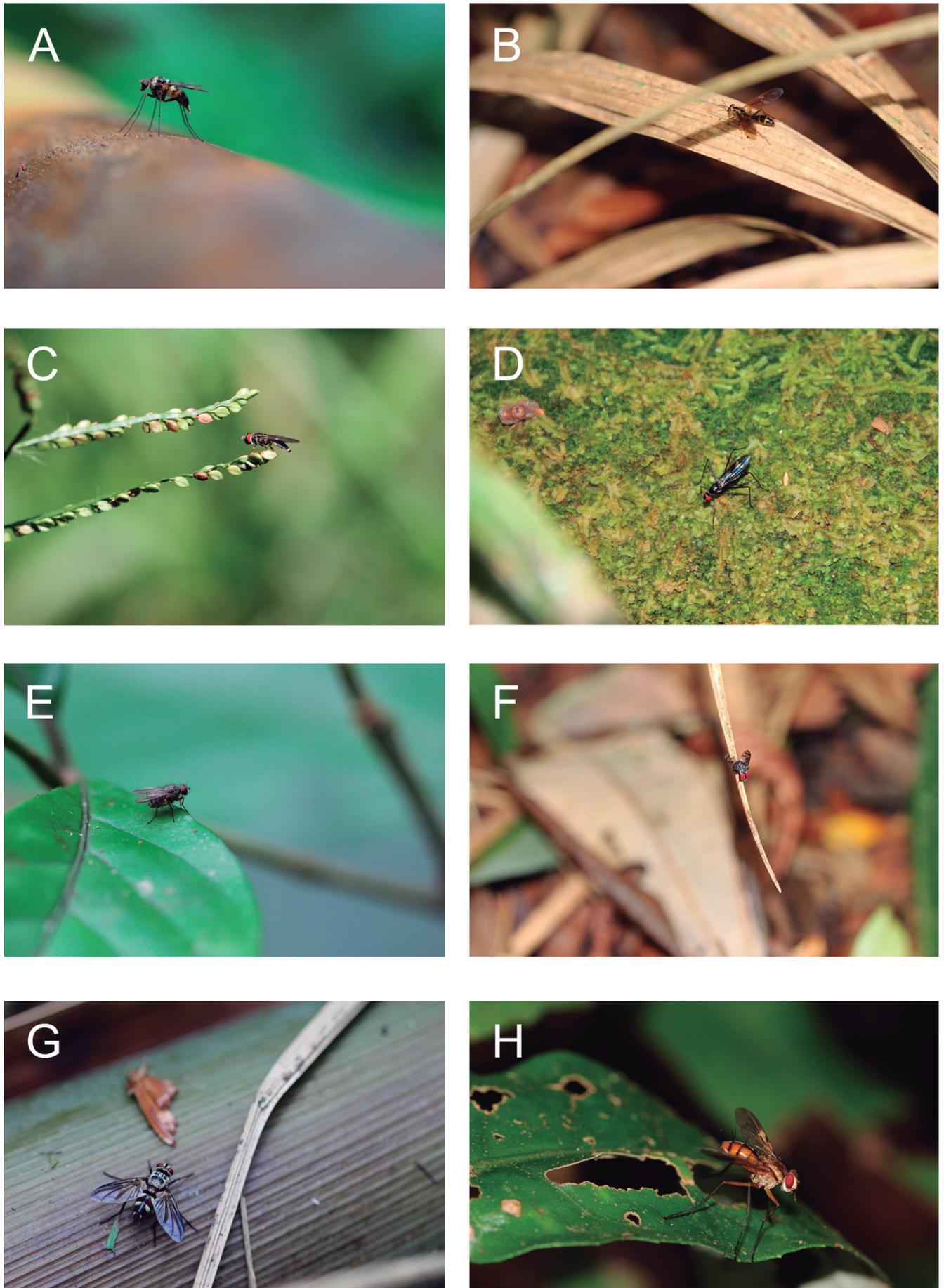


Figure 3. Adults of some Diptera families, found in EBB. (A) Tanypezidae; (B) Stratiomyidae; (C) Syrphidae; (D) Micropezidae; (E) Muscidae; (F-H) Tachinidae. Photos: Carlos J.E. Lamas.

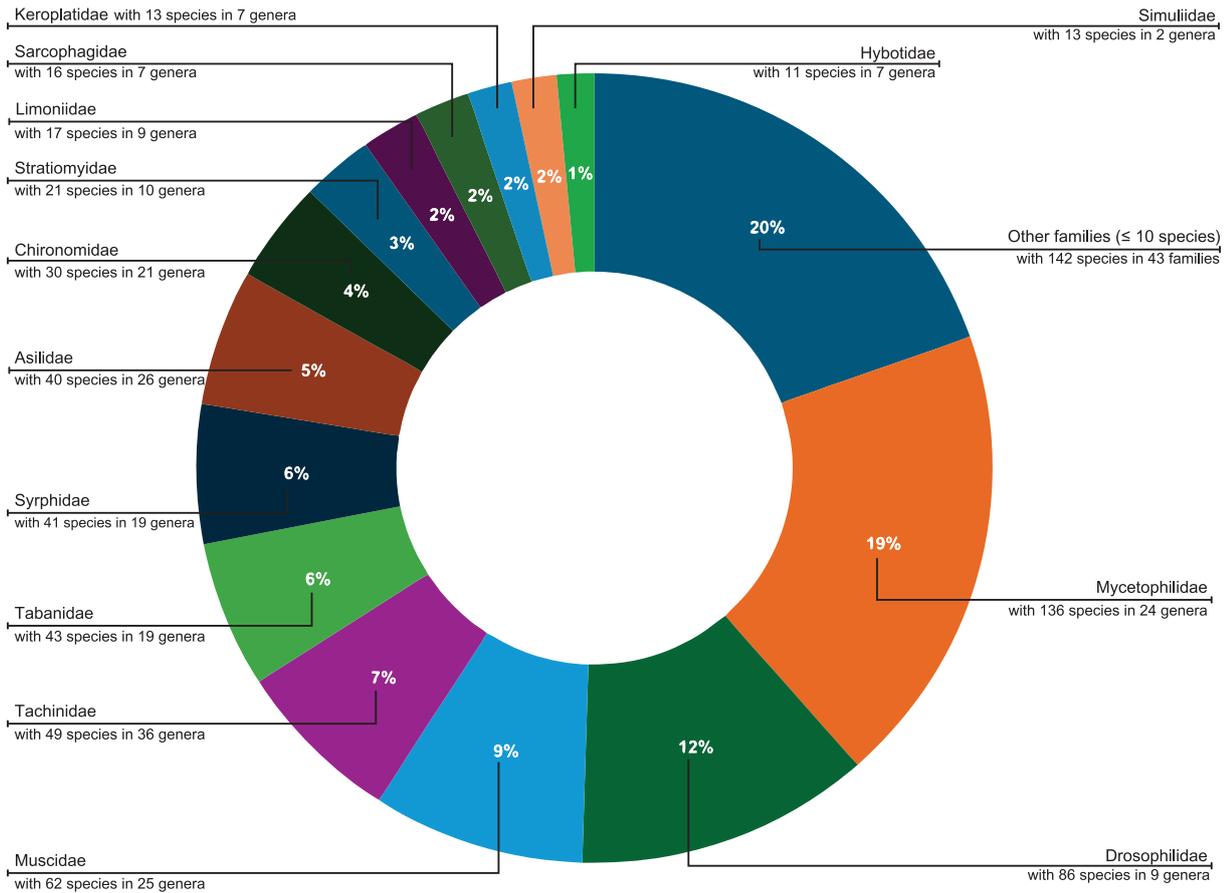


Figure 4. The 14 Diptera families in EBB with more than 10 species.

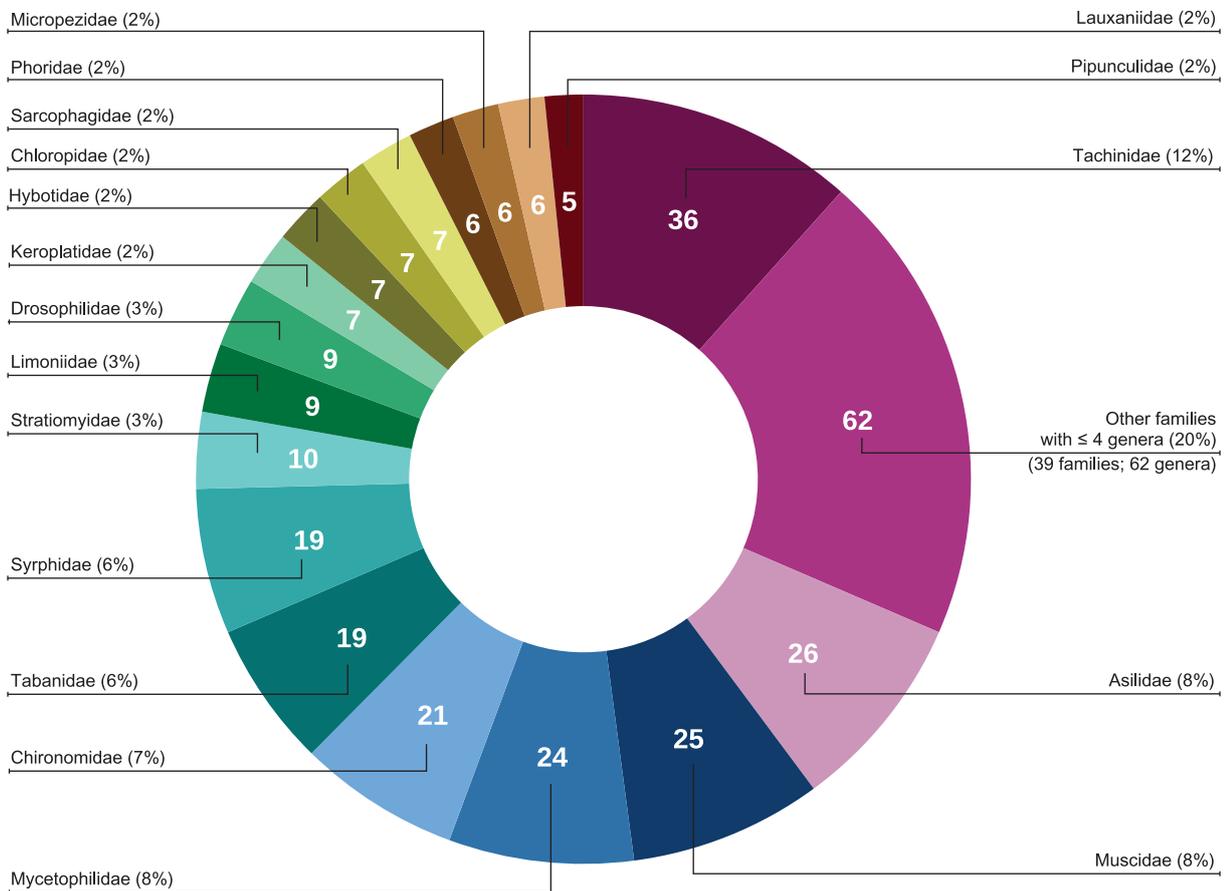


Figure 5. The 18 Diptera families in EBB with more than five genera.

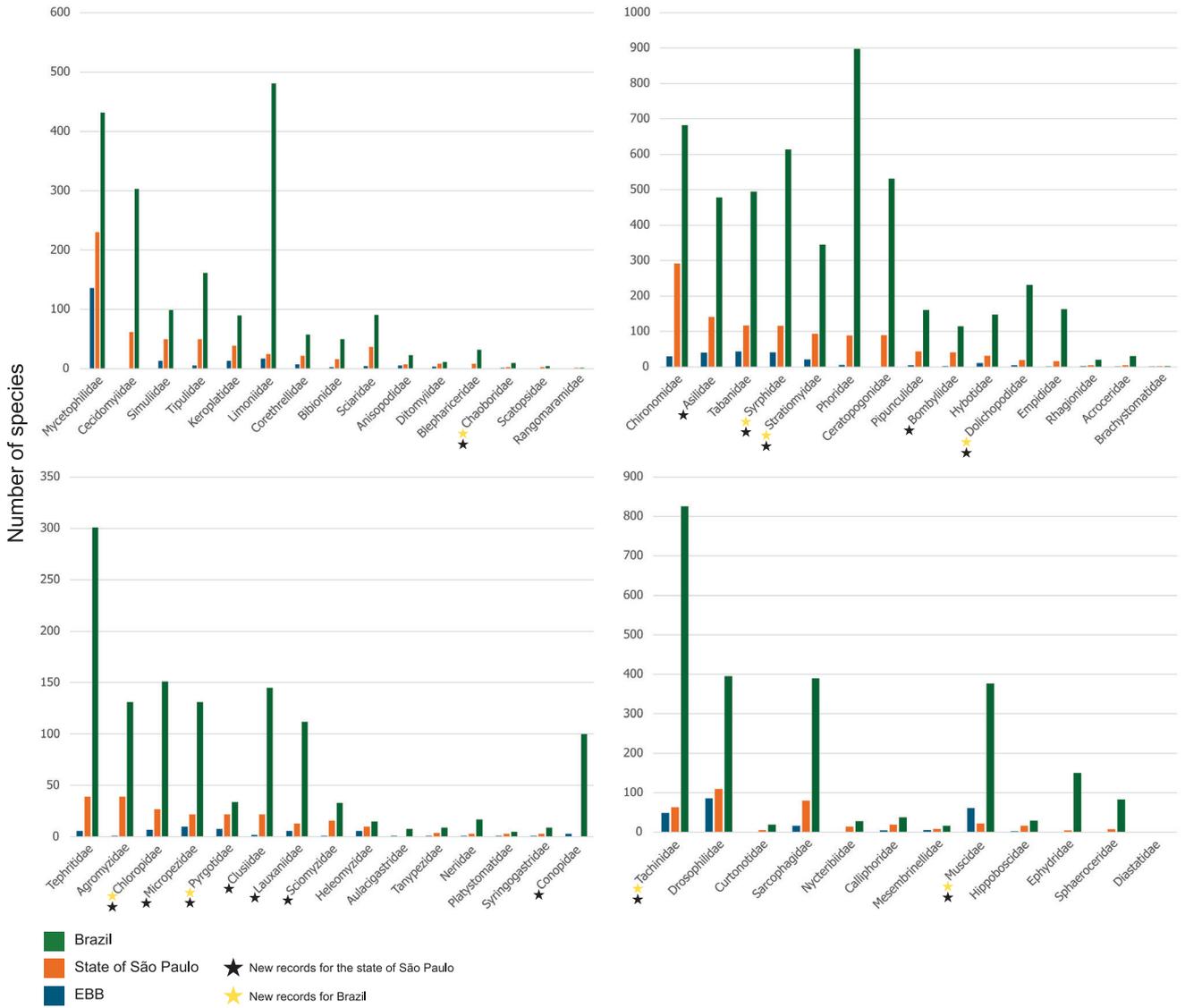


Figure 6. Comparison of the number of Diptera species among Brazil (green bar), the state of São Paulo (orange bar), and EBB (blue bar), with indications of new records of taxa for the country (yellow star) and for the state (black star).

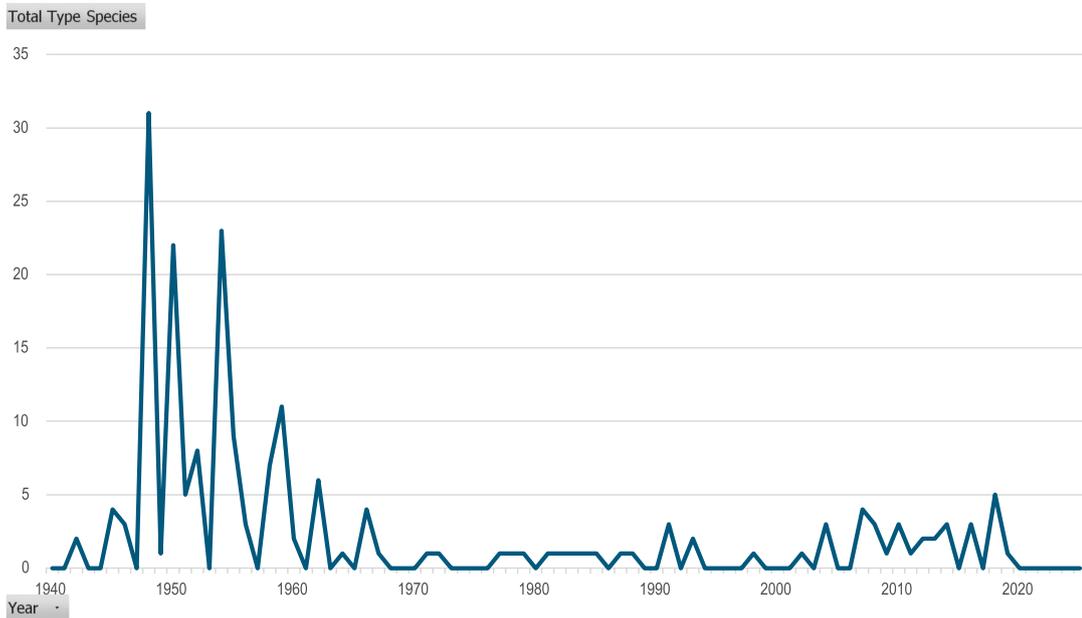


Figure 7. The number of type species originally designated from EBB over the years.

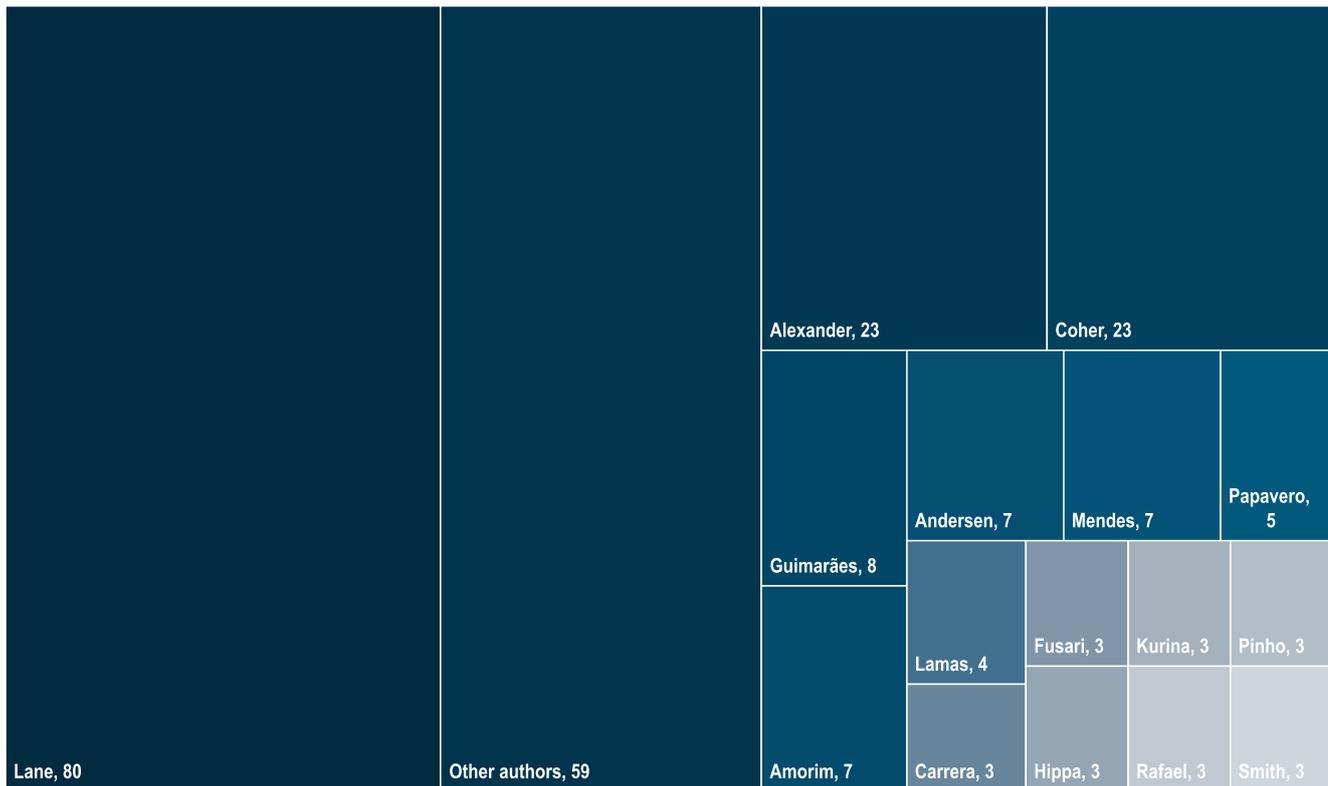


Figure 8. Authors who most frequently described species originally collected in EBB.

total species diversity. The richest family in number of genera is Tachinidae, with 36 genera, followed by Asilidae (26), Muscidae (25), Mycetophilidae (24), Chironomidae (21), Tabanidae (19) and Syrphidae (19), Stratiomyidae (10), Drosophilidae (9), and Limoniidae (9) (Table 2, Fig. 5).

Table 1. List of families with examined material, including the acronyms of the specialists who identified them. Families marked with (*) had material that was already identified in the Diptera collection of MZUSP; thus, no credit was assigned to the specialists.

Family	Specialist
Bibionidae	D.C.S.P.
Ditomyiidae	R.L.F.
Keroplastidae	E.M.A.; R.L.F.
Chaoboridae	C.C.D.C.; M.M.N.V.
Tabanidae	D.D.D.C.; M.C.P.D.; A.L.H.; T.K.K.
Stratiomyidae	D.A.F.; L.S.R.
Bombyliidae	C.J.E.L.
Asilidae	A.C.; M.M.M.S.
Dolichopodidae	L.Q.
Syrphidae	G.F.G.M.
*Pipunculidae	—
Micropezidae	A.P.C.; G.B.F.
Neriidae	A.P.C.
Conopidae	L.S.G.R.
Pyrgotidae	R.L.M.
Lauxaniidae	S.D.G.
*Clusiidae	—
Chloropidae	P.R.R.
Nycteribiidae	G.G.; G.H.
Muscidae	M.S.C.; C.J.B.C.
Mesembrinellidae	N.I.S.
Sarcophagidae	M.M.G.; C.A.M.P.; J.R.S.
Tachinidae	R.V.P.D.; F.M.G.; S.S.N.; M.D.S.

Together, these 10 most genera-rich families account for approximately 63% of EBB's total genera diversity. As not all families present in the EBB have been thoroughly analyzed (e.g., species-rich families such as Ceratopogonidae, Culicidae, and Calliphoridae), nor have long-term inventories been conducted in the reserve, these results suggest that the current understanding of species richness per family in the EBB remains incomplete.

The checklist of Diptera from EBB is presented below.

TIPULIDAE Latreille, 1802
Subfamily TIPULINAE Latreille, 1802
Genus LEPTOTARSUS Guérin-Méneville, 1831

= *Semnotes* Westwood, 1876.

Subgenus LONGURIO Loew, 1869

Leptotarsus (Longurio) perglabratus (Alexander, 1954) (*Longurio (Longurio)*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro *et al.* (2007).

Leptotarsus (Longurio) rabelloi (Alexander, 1954) (*Longurio (Longurio)*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Alexander & Alexander (1970).

Leptotarsus (Longurio) styx (Alexander, 1954) (*Longurio (Longurio)*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro *et al.* (2007).

Table 2. List of families with the number of species and genera found at EBB (first two columns), number of species described with the EBB as type locality (EBB Type Locality), and new records for Brazil (NR Brazil) and the state of São Paulo (NR SP).

Family	Genera	EBB Total Species	EBB Type Locality	NR Brazil	NR SP
Tipulidae	3	6	6	0	0
Limoniidae	9	17	17	0	0
Blephariceridae	1	1	0	0	0
Bibionidae	1	3	1	0	0
Ditomyiidae	4	4	1	0	0
Keroplatidae	7	13	10	0	2
Mycetophilidae	24	136	88	0	0
Sciaridae	1	5	4	0	0
Cecidomyiidae	1	1	0	0	0
Rangomaramidae	1	1	1	0	0
Anisopodidae	1	6	2	0	0
Scatopsidae	1	1	0	0	0
Corethrellidae	1	8	3	0	0
Chaoboridae	1	2	0	1	1
Simuliidae	2	13	0	0	0
Ceratopogonidae	1	1	1	0	0
Chironomidae	21	30	13	0	0
Rhagionidae	1	3	2	0	0
Tabanidae	19	43	1	0	0
Stratiomyidae	10	21	0	1	6
Acroceridae	1	2	0	0	0
Bombyliidae	2	3	0	0	0
Asilidae	26	40	7	0	3
Empididae	2	2	2	0	0
Hybotidae	7	11	1	0	0
Brachystomatidae	1	2	2	0	0
Dolichopodidae	4	5	0	2	3
Phoridae	6	6	2	0	0
Syrphidae	19	41	2	1	9
Pipunculidae	5	5	1	0	0
Micropezidae	6	10	1	0	1
Neriidae	1	1	0	0	0
Tanypezidae	1	1	0	0	0
Syringogastridae	1	1	0	0	0
Conopidae	1	3	1	0	1
Platystomatidae	1	1	0	0	0
Tephritidae	4	6	4	0	0
Pyrgotidae	4	8	3	1	1
Lauxaniidae	6	6	0	0	4
Sciomyzidae	1	1	0	0	0
Clusiidae	2	2	0	0	2
Agromyzidae	1	1	0	0	0
Aulacigastridae	1	1	0	0	0
Chloropidae	7	7	0	1	5
Heleomyzidae	2	6	2	0	0
Sphaeroceridae	1	1	1	0	0
Curtonotidae	1	1	0	0	0
Drosophilidae	9	86	3	0	0
Diastatidae	1	1	0	0	0
Ephydriidae	1	1	0	0	0
Hippoboscidae	3	3	0	0	0
Nycteribiidae	1	1	0	0	0
Muscidae	25	62	2	2	9
Calliphoridae	3	5	0	0	0
Mesembrinellidae	2	8	1	0	0
Sarcophagidae	7	16	2	0	0
Tachinidae	36	49	6	4	9
	312	721	193	13	56

Genus OZODICERA Macquart, 1834= *Hemictaina* Westwood, 1835.**Subgenus OZODICERA Macquart, 1834*****Ozodicera (Ozodicera) caudifera*** Alexander, 1945. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro *et al.* (2007).***Ozodicera (Ozodicera) eliana*** Alexander, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Alexander & Alexander (1970).**Genus TIPULA Linnaeus, 1758****Subgenus MICROTIPULA Alexander, 1912*****Tipula (Microtipula) biprolata*** Alexander, 1967. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Alexander & Alexander (1970).**LIMONIIDAE Knab, 1912****Subfamily CHIONEINAE Rondani, 1861****Genus ATARBA Osten Sacken, 1869****Subgenus ATARBA Osten Sacken, 1869*****Atarba (Atarba) almeidai*** Alexander, 1946. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro *et al.* (2007).**Subgenus ISCHNOTHRIX Bigot, 1888*****Atarba (Ischnothrix) berthae*** Alexander, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro *et al.* (2007).***Atarba (Ischnothrix) seticornis*** Alexander, 1946. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro *et al.* (2007).**Genus ERIOPTERA Meigen, 1803**= *Polymeda* Meigen, 1800.**Subgenus MESOCYPHONA Osten Sacken, 1869*****Erioptera (Mesocyphona) aglaia*** Alexander, 1945 (*Erioptera (Erioptera)*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro *et al.* (2007).

Genus GONOMYIA Meigen, 1818

= *Taphrosia* Rondani, 1856 = *Goniomyia* Osten Sacken, 1869.

Subgenus GONOMYIA Meigen, 1818

Gonomyia (Gonomyia) subappendiculata Alexander, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro et al. (2007).

Subgenus LEIPONEURA Alexander, 1954

Gonomyia (Leiponeura) melanacantha Alexander, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Alexander & Alexander (1970).

Gonomyia (Leiponeura) spiniterga Alexander, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Alexander & Alexander (1970).

Genus MOLOPHILUS Curtis, 1833

= *Archimolophilus* Enderlein, 1938.

Subgenus MOLOPHILUS Curtis, 1833

Molophilus (Molophilus) integristylus Alexander, 1945. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro et al. (2007).

Molophilus (Molophilus) lauri Alexander, 1945. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro et al. (2007).

Molophilus (Molophilus) oligotrichus Alexander, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro et al. (2007).

Molophilus (Molophilus) trifibra Alexander, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro et al. (2007).

Genus TASIOCERA Skuse, 1890

Subgenus DASYMOLOPHILUS Goetghebuer, 1920

Tasiocera (Dasymolophilus) boraceae Alexander, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro et al. (2007).

Genus TEUCHOLABIS Osten Sacken, 1860

Subgenus TEUCHOLABIS Osten Sacken, 1860

Teucholabis (Teucholabis) subargentea Alexander, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro et al. (2007).

Subfamily LIMNOPHILINAE Bigot, 1854

Genus AUSTROLIMNOPHILA Alexander, 1920

= *Limnophila* Alexander, 1920 = *Polymoria* Philippi, 1924.

Subgenus AUSTROLIMNOPHILA Alexander, 1920

Austrolimnophila (Austrolimnophila) bulbifera Alexander, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Alexander & Alexander (1970).

Subgenus MEDIOPHRAGMA Alexander, 1954

Austrolimnophila (Mediophragma) delectissima Alexander, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro et al. (2007).

Genus SHANNONOMYIA Alexander, 1929

Subgenus SHANNONOMYIA Alexander, 1929

Shannonomyia (Shannonomyia) dilatistyla Alexander, 1971. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ribeiro et al. (2007).

Subfamily LIMONIINAE Speiser, 1909

Genus DICRANOMYIA Stephens, 1829

Subgenus DICRANOMYIA Stephens, 1829

Dicranomyia (Dicranomyia) lydia (Alexander, 1950) (*Limonia (Limonia)*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Alexander & Alexander (1970).

BLEPHARICERIDAE Loew, 1861

Subfamily BLEPHARICERINAE Loew, 1861

Tribe PALTOSTOMATINI Bezzi, 1913

Genus KELLOGGINA Williston, 1907

= *Snowia* Williston, 1893 = *Curupira* Osten-Sacken, 1895 = *Sackeniella* Williston, 1896 = *Dimorphotarsa* Lutz, 1920.

Kelloggina shannoni Lane & d'Andretta, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **References:** Lane & d'Andretta (1956); Gil-Azevedo & Lamas (2021).

BIBIONIDAE Fleming, 1821
Subfamily PLECIINAE McAtee, 1921
Genus PLECIA Wiedemann, 1828

= *Protomyia* Heer, 1849 = *Rhinoplecia* Bellardi, 1859
= *Penthera* Philippi, 1865 = *Epiplecia* Giard, 1879
= *Heteroplecia* Hardy, 1950 = *Pleciodes* Hardy, 1952
= *Lacibibio* Hong in Hong et al., 1980.

Plecia abditigiga Fitzgerald, 1998. **Type locality:** Brazil, São Paulo, Casa Grande Boraceia Field Station. **Distribution:** Brazil (Distrito Federal, Rio de Janeiro, São Paulo). **Reference:** Fitzgerald (1998).

Plecia costalis Wiedemann, 1830. **Type locality:** Brazil, São Paulo, Caçapava. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo). **References:** Hardy (1945, 1966).

Material examined: 1♀, [Estação Biológica de] Boraceia, S.P. [São Paulo], 24.xi.61 [24.xi.1961], L. Travassos F. col. [MZUSP].

Plecia plagiata (Wiedemann, 1824) (*Penthetria*) (= *Plecia nigrita* (Perty, 1830) = *Plecia heteroptera* Macquart, 1846 = *Plecia vittata* Bellardi, 1862 = *Plecia bellardii* Townsend, 1912). **Type locality:** "Brazil". **Distribution:** Argentina, Belize, Bolivia, Brazil (Piauí, Santa Catarina, São Paulo), Colombia, Costa Rica, Ecuador, El Salvador, French Guiana, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, Venezuela. **References:** Edwards (1938); Hardy (1945, 1966); Pinto & Amorim (1996); Fitzgerald (2021, 2023).

Material examined: 1♂, S. [São] Paulo, [Estação Biológica de] Boraceia, J. Lane col., xi.47 [xi.1947] [MZUSP].

DITOMYIIDAE Keilin, 1919
Genus AUSTRALOSYMMERUS Freeman, 1954

= *Centrocnemis*, Philippi, 1865 = *Australomyia*, Freeman, 1951 = *Austrosymmerus* Papavero, 1977.

Subgenus MELOSYMMERUS Munroe, 1974

Australosymmerus (Melosymmerus) bororo (Lane, 1946) (*Centrocnemis*) (*Austrosymmerus*). **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (São Paulo, Rio de Janeiro). **Reference:** Papavero (1977a).

Material examined: 1♂, Brasil, SP [São Paulo], [Salesópolis], [Estação Biológica de] Boraceia, xi.1947, Rabello-Travassos col. [MZUSP]. 1♂, Brasil, SP [São Pau-

lo], Salesópolis, Estação Biológica [de] Boraceia, 850 m, 05.viii.1964, Rabello col. [MZUSP]. 1♂, 1♀, Brasil, SP [São Paulo], Salesópolis, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'02,9"S, 45°53'39"W, Malaise – mata ponto 1 [forest point 1], 30.iii-02.iv.2001, S.T.P. Amarante & eq. col. [MZUSP]. 1♂, Brasil, SP [São Paulo], Salesópolis, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'08,3"S, 45°53'48,9"W, Malaise – bosque ponto 5, 02-05.iv.2001, S.T.P. Amarante & eq. col. [MZUSP].

Genus CALLICERATOMYIA Lane, 1946

Calliceratomyia pectinata Lane, 1946. **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil (São Paulo). **Reference:** Papavero (1977a).

Material examined: 1♂, Brasil, SP [São Paulo], Salesópolis, [Estação Biológica de] Boraceia, Armadilha Malaise #7, 06-11.xi.2010, D. Ament, D. Amorim, P. Riccardi col. [MZUSP]. 1♂, BRASIL, SP [São Paulo], Salesópolis, Res. [Estação] Biológica [de] Boraceia, Trilha dos Pilões – Malaise, 23°39'05.1"S, 45°53'51.8"W, 25.ii.2005/08h00-09h00, L.K. Nogueira & A.P. Aguiar [MZUSP]. 1♂, BRASIL, SP [São Paulo], Salesópolis, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'05.3"S, 45°53'51.7"W, Malaise – mata ponto 6 [forest point 6], 30.iii-02.iv.2001, S.T.P. Amarante & eq. col. [MZUSP]. 1♂, BRASIL, SP [São Paulo], Salesópolis, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'02.9"S, 45°53'39"W, Malaise – mata ponto 2 [forest point 2], 30.iii-02.iv.2001, S.T.P. Amarante & eq. col. [MZUSP].

Genus NERVIJUNCTA Marshall, 1896

= *Cyrtoneura* Marshall, 1896 = *Huttonia* Marshall, 1896
= *Arctoneura* Hutton, 1904 = *Casa* Hutton, 1904.

Nervijuncta laffooni Lane, 1952 (= *N. marshalli* Lane, 1948). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **References:** Papavero (1977a); Falaschi & Amorim (2009).

Genus RHIPIDITA Edwards, 1940

Rhipidita fusca Edwards, 1940. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Papavero (1977a).

Material examined: 1♂, Brasil, SP [São Paulo], Salesópolis, Res. [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'01.9"S, 45°53'36"W, Malaise – trilha ponto 1 [trail point 1], 02-05.iv.2001, S.T.P. Amarante & eq. col. [MZUSP]. 4♂, Brasil, SP [São Paulo], Salesópolis, Res. [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'02.9"S, 45°53'39"W, Malaise – mata ponto 2 [forest point 2],

30.iii-02.iv.2001, S.T.P. Amarante & eq. col. [MZUSP]. 1♂, Brasil, SP [São Paulo], Salesópolis, Res. [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'02.9"S, 45°53'39"W, Malaise – mata ponto 2 [forest point 2], 02-05.iv.2001, S.T.P. Amarante & eq. col. [MZUSP]. 1♂, Brasil, SP [São Paulo], Salesópolis, Est. [Estação] Biol. [Biológica de] Boraceia, Trilha dos Pilões, 23°39'04.8"S, 45°53'41.8"W, Arm. [Armadilha] Malaise – pto. [ponto, point] trilha [trail] 3, 30.iii-02.iv.2001, S.T.P. Amarante & eq. col. [MZUSP]. 1♂, Brasil, SP [São Paulo], Salesópolis, Est. [Estação] Biol. [Biológica de] Boraceia, Trilha dos Pilões, 23°39'04.8"S, 45°53'41.8"W, Arm. [Armadilha, trap] Malaise – pto. [ponto, point] trilha [trail] 3, 02-05.iv.2001, S.T.P. Amarante & eq. col. [MZUSP]. 4♂♂, Brasil, SP [São Paulo], Salesópolis, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'08"S, 45°53'44.6"W, Malaise – bosque ponto 4 [woodland point], 02-05.iv.2001, S.T.P. Amarante & eq. col. [MZUSP]. 1♂, Brasil, SP [São Paulo], Salesópolis, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'06.3"S, 45°53'48.9"W, Malaise – trilha ponto 5 [trail point 5], 30.iii-02.iv.2001, S.T.P. Amarante & eq. col. [MZUSP]. 3♂♂, Brasil, SP [São Paulo], Salesópolis, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'08.3"S, 45°53'48.9"W, Malaise – bosque ponto 5 [woodland point 5], 02-05.iv.2001, S.T.P. Amarante & eq. col. [MZUSP].

KEROPLATIDAE Rondani, 1856

Subfamily KEROPLATINAE Rondani, 1856

Genus ISONEUROMYIA Brunetti, 1912

Isoneuromyia atra (Lane, 1948) (*Platyura*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo), Peru. **References:** Papavero (1977b); Evenhuis (2006).

Genus NEOCEROPLATUS Edwards, 1941

Neoceroplatus paicoenai (Lane, 1950) (*Ceroplatus*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Argentina, Brazil (São Paulo). **References:** Papavero (1977b); Evenhuis (2006).

Genus PLACOCERATIAS Enderlein, 1910

Placoceratias bimaculipennis Enderlein, 1910. **Type locality:** Brazil, Santa Catarina. **Distribution:** Brazil (Mato Grosso do Sul, Santa Catarina, São Paulo). **References:** Papavero (1977b); Evenhuis (2006).

Material examined: 1♀, BRAZIL, São Paulo, Salesópolis, Estação Biológica de Boraceia, 23°38'28.96"S, 45°51'22.19"W, 02.viii-01.ix.2018, Malaise, Nihei, S. & eq [equipe] col. [MZUSP]. 1♂, BRAZIL, São Paulo, Salesópolis, [Estação Biológica de] Boraceia, Armadilha Malaise #7 [23°38'28.96"S, 45°51'22.19"W], 06-11.xi.2010, D. Ament, D. Amorim, P. Riccardi col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Placoceratias uaracui Lane, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Argentina, Brazil (São Paulo). **References:** Papavero (1977b); Evenhuis (2006).

Genus PLANARIVORA Hickman, 1965

Planarivora boracensis (Lane, 1950) (*Ceroplatus*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Papavero (1977b); Evenhuis (2006).

Genus PLATYROPTILON Westwood, 1850

Platyroptilon miersii (Westwood, 1850) (*Platyura*). **Type locality:** "Brazil". **Distribution:** Argentina, Brazil (São Paulo). **References:** Papavero (1977b); Evenhuis (2006).

Material examined: 1♂. Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, S.P. [São Paulo], 850 m Rabello, col. 13.vii.61 [13.vii.1961] [MZUSP].

Platyroptilon zernyi Edwards, 1934. **Type locality:** Brazil, Pará, Belém. **Distribution:** Brazil (Pará, São Paulo), Peru. **References:** Papavero (1977b); Evenhuis (2006).

Material examined: 1♂, BRASIL: SP [São Paulo]: Salesópolis, Res. [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'01,9"S 45°53'36"W, Malaise – mata ponto 1 [forest point 1], 30.iii-02.iv.2001, S.T.P. Amarante & ep. col., BIOTA-FAPESP, zernyi det. Toczek, F.C. 2019 [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus PROCEROPLATUS Edwards, 1925

= *Calliplatyura* Malloch, 1928.

Proceroplatus rabelloi (Lane, 1956) (*Platyura*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo), Peru. **References:** Papavero (1977b); Evenhuis (2006).

Genus SETOSTYLUS Matile, 1990

Setostylus singularis (Lane, 1948) (*Ceroplatus*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo), Costa Rica, Nicaragua, Trinidad and Tobago. **References:** Papavero (1977b); Evenhuis (2006).

Subfamily MACROCERINAE Rondani, 1856
Genus MACROCERA Meigen, 1803

= *Euphrosyne* Meigen, 1800 = *Geneja* Lioy, 1863
= *Promacrocera* Speiser, 1913.

Macrocera guaianasi Lane, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Papavero (1978); Evenhuis (2006).

Macrocera guarani Lane, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Goiás, Paraná, São Paulo). **References:** Papavero (1977b); Evenhuis (2006).

Macrocera kaingangii Lane, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Papavero (1977b); Evenhuis (2006).

Macrocera tamoyoi Lane, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Argentina, Brazil (Rio de Janeiro, São Paulo). **References:** Papavero (1977b); Evenhuis (2006).

MYCETOPHILIDAE Newman, 1834
Subfamily SCIOPHILINAE Rondani, 1840
Genus ALLOCOTOCERA Mik, 1886

= *Eurycera* Dziedzicki, 1885.

Allocotocera coxiponensis Lane, 1952. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira & Amorim (2014, 2021).

Genus AZANA Walker, 1856

Azana atlantica Oliveira & Balbi, 2008. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira & Amorim (2014, 2021).

Genus CLUZOBRA Edwards, 1940

Cluzobra plaumanni Edwards, 1940. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Argentina, Brazil (Santa Catarina, São Paulo). **References:** Matile (1996); Amorim & Oliveira (2008, 2013), Oliveira & Amorim (2021).

Genus EUDICRANA Loew, 1869

Eudicrana splendens Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia.

Distribution: Brazil (Rio de Janeiro, São Paulo). **References:** Oliveira & Amorim (2014, 2021).

Genus NEURATELIA Rondani, 1856

Neuratelia elegans Lane, 1948 (*Eudicrana*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira & Amorim (2014, 2021); Henao-Sepúlveda *et al.* (2019).

Neuratelia sapaici Lane, 1952. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira & Amorim (2014, 2021); Henao-Sepúlveda *et al.* (2019).

Genus TRIZYGIA Skuse, 1888

Trizygia balbii (Oliveira & Amorim, 2010) (*Paratrizygia*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Borkent & Wheeler (2013); Oliveira & Amorim (2014, 2021).

Subfamily GNORISTINAE Edwards, 1925
Genus AUSTROSYNAPHA Tonnoir, 1929

Austrosynapha filicauda (Edwards, 1934) (*Synapha*). **Type locality:** Paraguay, La Cordillera, San Bernardino. **Distribution:** Argentina, Brazil (São Paulo), Paraguay. **References:** Lane (1954a); Duret (1980a).

Austrosynapha spinata Lane, 1954. **Type locality:** Brazil, São Paulo, Cantareira. **Distribution:** Argentina, Brazil (Minas Gerais, Santa Catarina, São Paulo). **Reference:** Duret (1977).

Genus DZIEDZICKIA Johannsen, 1909

= *Hertwigia* Dziedzicki, 1885 = *Syntemna*, authors, not Winnertz.

Dziedzickia absyrta Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Dziedzickia aspasia Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Dziedzickia clio Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Dziedzickia cryptura Edwards, 1941. **Type locality:** Brazil, Mato Grosso do Sul, Salobra. **Distribution:** Brazil (Alagoas, Espírito Santo, Mato Grosso do Sul, Minas Gerais, Pernambuco, Rio de Janeiro, Santa Catarina, São Paulo, Sergipe). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Dziedzickia dubitans Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Dziedzickia edwardsiana Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Oliveira (2009).

Dziedzickia freemani Lane, 1954. **Type locality:** Brazil, São Paulo, Juquiá. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Dziedzickia hypsipile Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Argentina, Brazil (São Paulo). **Reference:** Oliveira (2009).

Dziedzickia metallica Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Oliveira (2009).

Dziedzickia variabilis Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Espírito Santo, Paraná, Santa Catarina, São Paulo). **Reference:** Oliveira (2009).

Genus SCHNUSEA Edwards, 1933

Schnusea caiabii Lane & Coher, 1950. **Type locality:** Brazil, São Paulo, Cajuru. **Distribution:** Argentina, Brazil (Alagoas, Amapá, Goiás, Minas Gerais, Santa Catarina, São Paulo, Sergipe). **Reference:** Oliveira (2009).

Genus SYNAPHA Meigen, 1818

Synapha idalis Lane, 1954. **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Synapha junco Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Synapha nigrescens Lane, 1954. **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Synapha rufescens Edwards, 1932. **Type locality:** Brazil, Rio de Janeiro, Petrópolis. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Lane (1954a).

Subfamily MYCOMYINAE Edwards, 1925 Genus MYCOMYA Rondani, 1856

= *Cnephaeophila* Philippi, 1865 = *Sciophila*, authors, not Meigen.

Subgenus COHEROMYIA Väisänen, 1984

Mycomya (Coheromyia) dryope Coher, 1952. **Type locality:** Brazil, São Paulo, Cantareira. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Coheromyia) iphis Coher, 1952. **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Coheromyia) irene Coher, 1952. **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Argentina, Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Subgenus NEOMYCOMYA Väisänen, 1984

Mycomya (Neomycomya) alexanderi Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Neomycomya) bequaerti Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Neomycomya) cramptoni Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Neomycomya) ferrazi Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Neomycomya) hansonii Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Neomycomya) lanei Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Neomycomya) manteri Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Neomycomya) mathesoni Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Neomycomya) samesteri Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya (Neomycomya) shannoni Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Unplaced species of MYCOMYA

Mycomya boracensis Coher, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya connecta Coher, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya epacra Coher, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya freemani Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya multiseta Coher, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya shawi Coher, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya simpla Coher, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya subepacra Coher, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia.

Distribution: Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya theobaldi Coher, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Mycomya traveri Coher, 1950. **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Genus NEOEMPHERIA Osten Sacken, 1878

= *Empheria* Winnertz, 1863 = *Pleonazoneura* Enderlein, 1910 = *Neurocompsa* Enderlein, 1910.

Neoempheria dziedickii Coher, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Neoempheria lutzi Edwards, 1940. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **References:** Coher (1959); Amorim & Oliveira (2013).

Neoempheria rabelloi Coher, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Neoempheria simplex Edwards, 1940. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **References:** Coher (1959); Amorim & Oliveira (2013).

Neoempheria subfallax Coher, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Oliveira (2009); Amorim & Oliveira (2013).

Subfamily MYCETOPHILINAE Newman, 1834

Tribe EXECHIINI Edwards, 1925

Genus BORACEOMYIA Lane, 1948

= *Exechia*, authors, not Winnertz.

Boraceomyia acariensis (Lane, 1951) (*Exechia*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Lane (1956); Papavero (1978).

Boraceomyia cajuensis (Lane, 1951). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Lane (1956); Papavero (1978).

Boraceomyia goianensis (Lane, 1947) (*Exechia*). **Type locality:** Brazil, Goiás, Corumbá de Goiás. **Distribution:** Argentina, Brazil (Goiás, São Paulo), Panama, Peru, Trinidad and Tobago. **References:** Lane (1956); Papavero (1978).

Boraceomyia paulistensis (Lane, 1947) (*Exechia*). **Type locality:** Brazil, São Paulo, Cantareira. **Distribution:** Brazil (São Paulo). **References:** Lane (1956); Papavero (1978).

Genus BREVICORNU Marshall, 1896

= *Allodia*, authors, not Winnertz.

Brevicornu complexum (Lane, 1948) (*Allodia*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Argentina, Brazil (São Paulo). **References:** Lane (1956); Papavero (1978).

Brevicornu humile (Lane, 1948) (*Allodia*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Lane (1956); Papavero (1978).

Genus NEALLODIA Edwards, 1932

Nealodia brevicornis (Enderlein, 1910) (*Allodia*). **Type locality:** Brazil, Santa Catarina. **Distribution:** Argentina, Brazil (Amapá, Mato Grosso do Sul, Minas Gerais, Santa Catarina, São Paulo), Paraguay, Trinidad and Tobago. **References:** Edwards (1941); Lane (1958a); Tuomikoski (1966); Amorim & Oliveira (2013).

Nealodia flavida Edwards, 1932. **Type locality:** Brazil, Rio de Janeiro, Petrópolis. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **References:** Lane (1958a); Tuomikoski (1966); Amorim & Oliveira (2013).

Unplaced species of EXECHIINI

boracensis Lane, 1962 (*Allodia*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Tribe MYCETOPHILINI Newman, 1834

Genus EPICYPTA Winnertz, 1863

= *Delopsis* Skuse, 1890 = *Plastacephala* Enderlein, 1910.

Subgenus BOSCMYIA Lane, 1954

Epicypa (Boscmymia) barai Lane, 1954. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Epicypa (Boscmymia) boscii (Lane, 1948) (*Delopsis*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo), Costa Rica. **Reference:** Amorim & Oliveira (2013).

Epicypa (Boscmymia) languasi Lane, 1954. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Argentina, Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Epicypa (Boscmymia) miltoni (Lane, 1948) (*Delopsis*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo), Costa Rica. **Reference:** Lane (1954b).

Epicypa (Boscmymia) nauesensis Lane, 1954. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **References:** Lane (1954b); Amorim & Oliveira (2013).

Epicypa (Boscmymia) tristis (Lane, 1948) (*Delopsis*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Amapá, São Paulo). **Reference:** Lane (1954b).

Subgenus CALLICYPTA Lane, 1954

Epicypa (Callicypta) coheri Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Lane (1954b).

Epicypa (Callicypta) couasi Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Lane (1954b).

Epicypa (Callicypta) inornata Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Argentina, Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Epicypa (Callicypta) johannseni (Lane, 1947) (*Delopsis*). **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Lane (1954b).

Epicypa (Callicypta) lunata (Lane, 1948) (*Delopsis*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Lane (1954b).

Epicypa (Callicypta) macunai Lane, 1954. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Lane (1954b).

Epicypa (Callicypta) ornata (Lane, 1948) (*Delopsis*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Bi-

ológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Lane (1954b).

Epicypa (Callicypa) paulistensis Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo), Costa Rica, Trinidad and Tobago. **Reference:** Amorim & Oliveira (2013).

Epicypa (Callicypa) rabelloi (Lane, 1948) (*Delopsis*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Lane (1954b).

Subgenus EPICYPTA Winnertz, 1963

Epicypa (Epicypa) guanensis Lane, 1951. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Argentina, Brazil (Amapá, Santa Catarina, São Paulo), Costa Rica. **Reference:** Amorim & Oliveira (2013).

Epicypa (Epicypa) guarani Lane, 1951. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Epicypa (Epicypa) iaunensis Lane, 1951. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo), Panama. **Reference:** Amorim & Oliveira (2013).

Genus MYCETOPHILA Meigen, 1803

= *Fungivora* Meigen, 1800.

Subgenus ABMYCETA Lane, 1955

Mycetophila (Abmyceta) borgmeieri Edwards, 1932. **Type locality:** Brazil, Paraná, Rio Negro. **Distribution:** Argentina, Brazil (Amapá, Paraná, São Paulo). **References:** Lane (1948a); Amorim & Oliveira (2013).

Mycetophila (Abmyceta) caribai Lane, 1955. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Abmyceta) carrerai Lane, 1958. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Abmyceta) cayuensis Lane, 1955. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Abmyceta) galibisi Lane, 1955. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Amapá, Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Abmyceta) humboldti (Lane, 1948) (*Delopsis*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Abmyceta) icosi Lane, 1958. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Abmyceta) jurii Lane, 1955. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Abmyceta) kaingangii Lane, 1956. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Abmyceta) pluripunctata (Lane, 1948) (*Delopsis*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Abmyceta) travassosi (Lane, 1948) (*Delopsis*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Abmyceta) winnertzi Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Subgenus MYCETOPHILA Meigen, 1803

Mycetophila (Mycetophila) acarensis Lane, 1952. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Mycetophila) banhumai Lane, 1952. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Argentina, Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Mycetophila) boracensis Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo), Guatemala. **Reference:** Amorim & Oliveira (2013).

Mycetophila (Mycetophila) freemani Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Argentina, Brazil (São Paulo). **References:** Lane (1952b); Amorim & Oliveira (2013).

Mycetophila (Mycetophila) iheringi Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Argentina, Brazil (Santa Catarina, São Paulo). **References:** Lane (1952b); Amorim & Oliveira (2013).

Mycetophila (Mycetophila) mathesoni Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Mycetophila) shannoni Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Mycetophila) splendida Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Mycetophila) stonei Lane, 1952. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Mycetophila) tacuensis Lane, 1952. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Mycetophila) theresae Edwards, 1932. **Type locality:** Brazil, Espírito Santo, Santa Teresa. **Distribution:** Argentina, Brazil (Espírito Santo, Santa Catarina, São Paulo), Guatemala. **References:** Lane (1948a); Amorim & Oliveira (2013).

Mycetophila (Mycetophila) uaianai Lane, 1952. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo), Costa Rica. **Reference:** Amorim & Oliveira (2013).

Subgenus OROMYCETA Lane, 1955

Mycetophila (Oromyceta) arecunai Lane, 1955. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Mycetophila (Oromyceta) ferrazi Lane, 1955. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Genus SCEPTONIA Winnertz, 1863

Sceptonia bicolorata Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Lane (1956).

Genus ZYGOMYIA Winnertz, 1863

Zygomyyia bicolor Edwards, 1934. **Type locality:** Bolivia, Mapiri, Lorenzopata. **Distribution:** Bolivia, Brazil (Santa Catarina, São Paulo). **Reference:** Lane (1948b).

Zygomyyia freemani Lane, 1951. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Argentina, Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Zygomyyia herteli Lane, 1951. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Amorim & Oliveira (2013).

Zygomyyia modesta Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Zygomyyia ornatipennis Lane, 1948. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Argentina, Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Zygomyyia tapuiaii Lane, 1951. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Subfamily TETRAGONEURINAE Meunier, 1900

Genus TETRAGONEURA Winnertz, 1846

Tetragoneura arauensis Lane, 1952. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Amorim & Oliveira (2013).

Tetragoneura borgmeieri Edwards, 1932. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Argentina, Brazil (Rio de Janeiro, São Paulo). **References:** Duret (1980b); Amorim & Oliveira (2013); Oliveira & Amorim (2021).

Tetragoneura burenari Lane, 1952. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Tetragoneura fanipensis Lane, 1952. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo, Amapá). **Reference:** Amorim & Oliveira (2013).

Tetragoneura flavicauda Edwards, 1941. **Type locality:** Brazil, Mato Grosso do Sul, Salobra. **Distribution:** Brazil (Mato Grosso do Sul, São Paulo), Ecuador. **References:** Lane (1952c); Duret (1980b); Amorim & Oliveira (2013).

Tetragoneura guajaensis Lane, 1952. **Type locality:** Brazil, São Paulo, São Paulo. **Distribution:** Brazil (Paraná, São Paulo). **Reference:** Amorim & Oliveira (2013).

Subfamily LEIINAE Edwards, 1925

Tribe MEGOPHTHALMIDIINI Oliveira & Amorim, 2021
Genus APHRASTOMYIA Coher & Lane, 1949

Aphrastomyia cramptoni Coher & Lane, 1949. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Tribe CYCLONEURINI Shaw & Shaw, 1951
Genus PROCYCLONEURA Edwards, 1932

Procycloneura paranensis Edwards, 1932. **Type locality:** Brazil, Paraná, Rio Negro. **Distribution:** Argentina, Brazil (Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **References:** Amorim & Oliveira (2013); Oliveira & Amorim (2021).

Tribe MANOTINI Edwards, 1925
Genus MANOTA Williston, 1896

= *Aphanizophleps* Enderlein, 1910.

Manota atlantica Kurina, Hippa & Amorim, 2018. **Type locality:** Brazil, São Paulo, São Luis de Paraitinga. **Distribution:** Brazil (São Paulo). **Reference:** Kurina *et al.* (2018).

Manota carioca Kurina, Hippa & Amorim, 2018. **Type locality:** Brazil, Rio de Janeiro, Nova Friburgo. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Kurina *et al.* (2018).

Manota cavata Kurina, Hippa & Amorim, 2018. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Alagoas, Bahia, Espírito Santo, Rio de Janeiro, São Paulo). **Reference:** Kurina *et al.* (2018).

Manota palpalis Lane, 1948. **Type locality:** Brazil, Goiás, Corumbá de Goiás. **Distribution:** Argentina, Brazil (Alagoas, Espírito Santo, Goiás, Rio de Janeiro, São Paulo), Peru. **Reference:** Kurina *et al.* (2018).

Manota paniculata Kurina, Hippa & Amorim, 2018. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo, Sergipe). **Reference:** Kurina *et al.* (2018).

Manota perparva Kurina, Hippa & Amorim, 2018. **Type locality:** Brazil, Rio de Janeiro, Nova Friburgo. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Kurina *et al.* (2018).

Manota pseudoiota Kurina, Hippa & Amorim, 2018. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Alagoas, Bahia, Espírito Santo, Paraná, Rio de Janeiro, Santa Catarina, São Paulo, Sergipe). **Reference:** Kurina *et al.* (2018).

Manota serrulata Hippa, Kurina & Sääksjärvi, 2017. **Type locality:** Peru, Loreto, Iquitos. **Distribution:** Brazil (Alagoas, Mato Grosso, São Paulo, Sergipe), Peru (Loreto). **Reference:** Kurina *et al.* (2018).

Tribe LEIINI Edwards, 1925
Genus LEIA Meigen, 1818

= *Glaphyroptera* Winnertz, 1863 = *Neoglaphyroptera* Osten Sacken, 1878.

Leia diversicornis (Kertész, 1902) (*Neoglaphyroptera*). **Type locality:** Peru, Callanga. **Distribution:** Peru, Brazil (Goiás, Mato Grosso, São Paulo). **Reference:** Amorim & Oliveira (2013).

Leia fasciata (Kertész, 1902) (*Neoglaphyroptera*). **Type locality:** Peru, Vilcanota and Callanga. **Distribution:** Argentina, Bolivia, Brazil (Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Paraguay, Peru. **Reference:** Amorim & Oliveira (2013).

Leia junai Lane, 1950. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

Leia monoleuca Edwards, 1933. **Type locality:** Brazil, Rio de Janeiro, Petrópolis. **Distribution:** Argentina, Brazil (Rio de Janeiro, São Paulo). **References:** Lane (1950); Amorim & Oliveira (2013).

Leia paranensis Edwards, 1933. **Type locality:** Brazil, Paraná, Rio Negro. **Distribution:** Argentina, Brazil (Goiás, Paraná, Rio de Janeiro, São Paulo). **References:** Lane (1950); Amorim & Oliveira (2013).

Leia paulensis Edwards, 1933. **Type locality:** Brazil, São Paulo, São Paulo. **Distribution:** Brazil (Amapá, Rio de Janeiro, São Paulo), Panama. **References:** Lane (1950); Amorim & Oliveira (2013).

Leia picticornis (Kertész, 1902) (*Neoglaphyroptera*). **Type locality:** Peru, Callanga. **Distribution:** Argentina, Brazil (Amapá, Goiás, Minas Gerais, São Paulo), Panama, Peru. **References:** Lane (1950, 1959).

Leia schnusei Edwards, 1933. **Type locality:** Bolivia, Mapi, San Antonio. **Distribution:** Bolivia, Brazil (São Paulo). **Reference:** Amorim & Oliveira (2013).

SCIARIDAE Billberg, 1820
Genus CRATYNA Winnertz, 1867
Subgenus CRATYNA Winnertz, 1867

Cratyna (Cratyna) boracensis (Lane, 1960) (= *Plastosciara barrettoii* Lane, 1960). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Mohrig & Menzel (2014).

Genus EURICRIUM Enderlein, 1911

Euricrium varians (Lane, 1955) (*Zygoneura*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Paraná, Santa Catarina, São Paulo), Costa Rica. **Reference:** Mohrig & Menzel (2014).

Genus METANGELA Rübsaamen, 1894

Metangela spinata Lane, 1955. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Mohrig & Menzel (2014).

Genus PSEUDOSCIARA Schiner, 1868
Subgenus PSEUDOSCIARA Schiner, 1868

Pseudosciara (Pseudosciara) boracensis Lane, 1959. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Mohrig & Menzel (2014).

Pseudosciara (Pseudosciara) neotropica Lane, 1959. **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil (Rio de Janeiro, São Paulo), Honduras. **Reference:** Mohrig & Menzel (2014).

CECIDOMYIIDAE Macquart, 1838
Subfamily LESTREMIINAE Rondani, 1840
Tribe LESTREMIINI Rondani, 1840
Genus ANARETELLA Enderlein, 1911

Anaretella perfecta Carmo-Neto, Lamas & Urso-Guimarães, 2024. **Type locality:** Brazil, São Paulo, Sorocaba. **Distribution:** Brazil (Alagoas, Amazonas, Espírito Santo, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Paraná, Rondônia, São Paulo). **Reference:** Carmo-Neto *et al.* (2024).

RANGOMARAMIDAE Jaschhof & Didham, 2002
Subfamily OHAKUNEINAE Amorim & Rindal, 2007
Genus COLONOMYIA Colless, 1963

Colonomyia brasiliiana Amorim & Rindal, 2007. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica

de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Amorim & Falaschi (2010, 2012), Falaschi *et al.* (2020).

ANISOPODIDAE Knab, 1912
Subfamily ANISOPODINAE Knab, 1912
Genus SYLVICOLA Harris, 1780

= *Phryne* Meigen, 1800 = *Anisopus* Meigen, 1803 = *Rhyphus* Latreille, 1804 = *Bria* Giebel, 1856 = *Asarcomyia* Scudder, 1890 = *Tonnoirina* Amorim & Tozoni, 1994.

Sylvicola albiapex (Lane & d'Andretta, 1958) (*Anisopus*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Amapá, Rio de Janeiro, São Paulo). **References:** Papavero (1967a); Falaschi *et al.* (2016).

Sylvicola annuliferus (Edwards, 1923) (*Anisopus*). **Type locality:** Brazil, São Paulo. **Distribution:** Brazil (Minas Gerais, Rio de Janeiro, Santa Catarina, São Paulo). **References:** Lane & d'Andretta (1958); Papavero (1967a).

Sylvicola boraceae (Lane & d'Andretta, 1958) (*Anisopus*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Papavero (1967a); Falaschi *et al.* (2016).

Sylvicola caiyasi (Lane & d'Andretta, 1958) (*Anisopus*). **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil (Minas Gerais, São Paulo). **References:** Papavero (1967); Falaschi *et al.* (2016).

Sylvicola grandis (Lane & d'Andretta, 1958) (*Anisopus*). **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Minas Gerais, Rio de Janeiro, São Paulo). **References:** Papavero (1967a); Falaschi *et al.* (2016).

Sylvicola guttatus (Schiner, 1868) (*Rhyphus*). **Type locality:** "Brazil". **Distribution:** Brazil (Minas Gerais, Rio de Janeiro, Santa Catarina, São Paulo). **References:** Lane & d'Andretta (1958); Papavero (1967a).

SCATOPSIDAE Newman, 1834
Subfamily SCATOPSINAE Newman, 1834
Tribe SWAMMERDAMELLINI Cook, 1972
Genus COBOLDIA Melander, 1916

Coboldia fuscipes (Meigen, 1830) (*Scatopse*) (= *Scatopse recurva* Loew, 1846 = *Scatopse flavitarsis* Zetterstedt, 1850 = *Coboldia parvula* Blanchard, 1852 = *Scatopse simplex* Walker, 1856) = *Scatopse fenestralis* Skuse, 1889 = *Reichertella peruana* Enderlein, 1912 = *Coboldia formicarium* Melander, 1916 = *Rhegmoclema barrus* McAtee, 1921 = *Reichertella capensis* Enderlein, 1923 = *Reichertella acuticornis* Enderlein, 1926 = *Reichertella tunesica* Enderlein, 1926 = *Reichertella algerica* Enderlein, 1926 = *Masatierra ferruginea* Enderlein, 1938 = *Rhexoza coutinhoi* Rabello & Forattini, 1962). **Type locality:** "Eu-

rope". **Distribution:** Cosmopolitan. **References:** Rabello & Forattini (1962); Amorim (2009).

CORETHRELLIDAE Edwards, 1932
Genus CORETHRELLA Coquillett, 1902

= *Ramcia* Annandale, 1911 = *Lutzomiops* Lane, 1942 (as subgenus).

Corethrella ananacola Dyar, 1926 (= *C. bromelicola* Lane, 1939 = *C. downsi* Lane, 1943). **Type locality:** Panama, Canal Zone, Ft. Randolph. **Distribution:** Brazil (Espírito Santo, Pará, Santa Catarina, São Paulo), Costa Rica, Panama, Trinidad and Tobago. **References:** Stone (1966); Borkent (2008); Amaral *et al.* (2023).

Corethrella appendiculata Grabham, 1906 (= *C. arborealis* Shannon & Del Ponte, 1928 = *C. confusa* Lane, 1939). **Type locality:** Jamaica, Kingston. **Distribution:** Argentina, Brazil (Amazonas, Bahia, Goiás, Santa Catarina, São Paulo), Costa Rica, Dominica, Dominican Republic, French Guiana, Jamaica, Mexico, Nicaragua, Panama, St. Lucia, St. Vincent, Trinidad and Tobago, USA, Venezuela. **References:** Stone (1966); Borkent (2008); Amaral *et al.* (2023).

Corethrella atricornis Borkent, 2008. **Type locality:** Brazil, São Paulo, Casa Grande. **Distribution:** Brazil (Rio Grande do Sul, São Paulo). **References:** Borkent (2008); Amaral *et al.* (2023).

Corethrella barretto Lane, 1942. **Type locality:** Brazil, São Paulo, Casa Grande. **Distribution:** Brazil (São Paulo). **References:** Stone (1966); Borkent (2008); Amaral *et al.* (2023).

Corethrella cardosoi Lane, 1942. **Type locality:** Brazil, São Paulo, Casa Grande. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **References:** Stone (1966); Borkent (2008); Amaral *et al.* (2023).

Corethrella lopesi Lane, 1942. **Type locality:** Brazil, Rio de Janeiro, Angra dos Reis, Japuíba. **Distribution:** Brazil (Bahia, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **References:** Stone (1966); Borkent (2008); Amaral *et al.* (2023).

Corethrella peruviana Lane, 1939 (= *C. juquiana* Lane, 1939 = *C. similans* Lane & Aitken, 1956). **Type locality:** Peru, Iquitos. **Distribution:** Brazil (Bahia, Pará, Santa Catarina, São Paulo), Colombia, Costa Rica, Ecuador, French Guiana, Guyana, Panama, Peru, Trinidad and Tobago. **References:** Stone (1966); Borkent (2008); Amaral *et al.* (2023).

Corethrella pillosa Lane, 1939. **Type locality:** Brazil, São Paulo, Juquiá. **Distribution:** Brazil (Santa Catarina, São Paulo). **References:** Stone (1966); Borkent (2008); Amaral *et al.* (2023).

CHAOBORIDAE Edwards, 1932
Subfamily CHAOBORINAE Edwards, 1932
Tribe CHAOBORINI Edwards, 1932
Genus CHAOBORUS Lichtenstein, 1800

= *Corethra* Meigen, 1803 = *Culicites* Heyden, 1862 = *Proboscistoma* Saccardo, 1864 = *Sayomyia* Coquillett, 1903 = *Corethrinda* Giles, 1904 = *Schadonophasma* Dyar & Shannon, 1924 = *Neochaoborus* Edwards, 1930 = *Edwardsops* Lane, 1942 = *Peusomyia* Sæther, 1970.

Chaoborus boliviensis (Lane & Heredia, 1956) (*Edwardsops*). **Type locality:** Bolivia, El Paylon. **Distribution:** Bolivia, Brazil (São Paulo). **Reference:** Borkent (2014).

Comments: This is the first record of this species for Brazil.

Material examined: 1♀, Brazil, SP [São Paulo], Estação Ecológica [Biológica] de Boraceia, 20.xii.1982, D.S. Amorim col. [MZUSP]. 1♀, Brazil, SP [São Paulo], Estação Ecológica [Biológica] de Boraceia, 17.ii.2017, Vicente, M.M.N. & Garcia, C.A. col. [MZUSP]. 1♀, Brazil, SP [São Paulo], Matão, Fazenda Cambuhy – Mata da Virgínia, 21°36'59"S, 48°31'32.3"W, Malaise, 11.iv.2014, M.A. Ulysea & L.P. Prado col. [MZUSP]. 4♀♀, Brazil, SP [São Paulo], Ribeirão Preto, ix.54 [ix.1954], Duret col. MZ011142 [MZUSP].

Chaoborus braziliensis (Theobald, 1901) (*Corethra*) (= *Chaoborus* (*Sayomyia*) *antunesi* Lane, 1939 = *Sayomyia lanei* Belkin, Heinemann & Page, 1970). **Type locality:** Brazil, São Paulo, São Paulo. **Distribution:** Argentina, Brazil (Bahia, Mato Grosso, Minas Gerais, Rio de Janeiro, São Paulo), Jamaica, Nicaragua, Panama, Peru, Puerto Rico, Trinidad and Tobago, Venezuela. **Reference:** Borkent (2014).

Material examined: 1♀, Brazil, SP [São Paulo], Estação Ecológica [Biológica] de Boraceia, 20.xii.1982, D.S. Amorim col. [MZUSP]. 3♀♀, Brazil, SP [São Paulo], Salesópolis, Estação Ecológica [Biológica] de Boraceia, 17.ii.2017, Vicente, M.M.N. & Garcia, C.A. col. [MZUSP]. 1♀, Brazil, SP [São Paulo], Salesópolis Estação Ecológica [Biológica] de Boraceia, Luiz de Queiroz, 20.ix.2017, Nascimento, F.E., Vicente, M.M.N., Sousa, R.C. & Migliore, L.J. cols. [MZUSP].

SIMULIIDAE Newman, 1834
Subfamily SIMULIINAE Newman, 1834
Tribe SIMULIINI Newman, 1834
Genus LUTZSIMULIUM d'Andretta Jr. & Vulcano, 1947

= *Kempfsimulium* Py-Daniel & Nunes de Mello, 1982.

Lutzsimulium hirticosta (Lutz, 1909) (*Simulium*) (= *L. cruzi* d'Andretta Jr. & Vulcano, 1947). **Type locality:** Brazil, São Paulo, São Paulo. **Distribution:** Argentina, Brazil (Bahia, Espírito Santo, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **References:** Coscarón *et al.* (2008); Gil-Azevedo (2010); Adler (2025).

Genus SIMULIUM Latreille, 1802
Subgenus CHIROSTILBIA Enderlein, 1921

Simulium (Chirostilbia) pertinax Kollar, 1832 (= *S. infuscatum* Lutz, 1909 = *S. inexorable* Schrottky, 1909 = *Chirostilbia flavifemur* Enderlein, 1921 = *Trichodagmia lutziana* Enderlein, 1934 = *S. septentrionale* Cerqueira & Almeida, 1970 = *S. cerqueirai* Almeida, 1979). **Type locality:** Brazil, São Paulo, Ypanema. **Distribution:** Argentina, Bolivia, Brazil (Amazonas, Bahia, Distrito Federal, Espírito Santo, Goiás, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Paraíba, Paraná, Rio de Janeiro, Rio Grande do Sul, Rondônia, Roraima, Santa Catarina, São Paulo, Tocantins), Paraguay. **References:** d'Andretta Jr. & Vulcano (1950); Coscarón et al. (2008); Adler (2025).

Subgenus INAEQUALIUM
Coscarón & Wygodzinsky, 1984

Simulium (Inaequalium) clavibranchium Lutz, 1910. **Type locality:** Brazil, Rio de Janeiro, Petrópolis. **Distribution:** Brazil (Espírito Santo, Minas Gerais, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **References:** Coscarón et al. (2008); Pepinelli (2011); Adler (2025).

Simulium (Inaequalium) diversibranchium Lutz, 1910 (= *S. missionum* Coscarón, 1976 = *S. mariavulcanoae* Coscarón & Wygodzinsky, 1984). **Type locality:** Brazil, São Paulo, Serra da Bocaina. **Distribution:** Argentina, Brazil (Minas Gerais, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **References:** Coscarón et al. (2008); Adler (2025).

Simulium (Inaequalium) rappae Py-Daniel & Coscarón, 1981 (= *Inaequalium rapporum* Py-Daniel, Coscarón & Pessoa, 2017). **Type locality:** Brazil, Minas Gerais, Bocaina de Minas. **Distribution:** Brazil (Espírito Santo, Goiás, Minas Gerais, Rio de Janeiro, São Paulo). **References:** Coscarón et al. (2008); Pepinelli (2011); Adler (2025).

Simulium (Inaequalium) travassosi Vulcano & d'Andretta Jr., 1947. **Type locality:** Brazil, Rio de Janeiro, Angra dos Reis. **Distribution:** Argentina, Brazil (Espírito Santo, Goiás, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **References:** Coscarón et al. (2008); Pepinelli (2011); Adler (2025).

Subgenus PSARONIOCOMPSPA Enderlein, 1934

= *Pliodasina* Enderlein, 1936 = *Cerqueirellum* Py-Daniel, 1983 = *Coscaroniellum* Py-Daniel, 1983 = *Shelleyellum* Py-Daniel & Pessoa, 2006.

Simulium (Psaroniocompsa) anamariae Vulcano, 1962. **Type locality:** Brazil, São Paulo, Serra da Bocaina. **Distribution:** Brazil (Espírito Santo, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo).

References: Coscarón et al. (2008); Pepinelli (2011); Adler (2025).

Simulium (Psaroniocompsa) auristriatum Lutz, 1910 (= *S. infuscatum* Lutz, 1910). **Type locality:** Brazil, Minas Gerais, Juiz de Fora. **Distribution:** Brazil (Minas Gerais, Rio de Janeiro, Santa Catarina, São Paulo). **References:** Coscarón et al. (2008); Shelley et al. (2010); Adler (2025).

Simulium (Psaroniocompsa) incrustatum Lutz, 1910 (= *S. aequifurcatum* Lutz, 1910 = *S. angrense* Pinto, 1932 = *Psaroniocompsa opalinifrons* Enderlein, 1934 = *S. yarzabali* Ramírez-Pérez, 1980). **Type locality:** Brazil, Rio de Janeiro, Mendes. **Distribution:** Argentina, Brazil (Amapá, Bahia, Ceará, Distrito Federal, Espírito Santo, Goiás, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Paraíba, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Norte, Rio Grande do Sul, Roraima, Santa Catarina, São Paulo, Tocantins), Colombia, Ecuador, Panama, Paraguay, Trinidad and Tobago, Venezuela. **References:** Coscarón et al. (2008); Pepinelli (2011); Adler (2025).

Subgenus PSILOPELMIA Enderlein, 1934

= *Lanea* Vargas, Martínez Palacios & Díaz Nájera, 1946 = *Ectemnaspis* Enderlein, 1934.

Simulium (Psilopelmia) perflavum Roubaud, 1906 (= *S. varians* Lutz, 1909 = *S. antunesi* Lane & Porto, 1940 = *S. mauense* Nunes de Mello, 1974). **Type locality:** Brazil, São Paulo. **Distribution:** Argentina, Brazil (Acre, Amapá, Amazonas, Bahia, Ceará, Espírito Santo, Goiás, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Pará, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Rondônia, Roraima, Santa Catarina, São Paulo, Tocantins), Guyana, Paraguay, Venezuela. **References:** Coscarón et al. (2008); Pepinelli (2011); Adler (2025).

Subgenus TRICHODAGMIA Enderlein, 1934

= *Thyrsopelma* Enderlein, 1934 = *Grenieriella* Vargas & Díaz Nájera, 1951.

Simulium (Trichodagmia) nigrimanum Macquart, 1838 (= *S. nigrimana* = *S. pruinatum* Lutz, 1910 = *Trichodagmia spadicidorsum* Enderlein, 1934). **Type locality:** Brazil, São Paulo. **Distribution:** Brazil (Espírito Santo, Distrito Federal, Goiás, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Pará, Paraná, Rio de Janeiro, São Paulo, Tocantins), Colombia, Paraguay, Venezuela. **References:** Coscarón et al. (2008); Pepinelli (2011); Adler (2025).

Simulium (Trichodagmia) orbitale Lutz, 1910 (= *Thyrsopelma brasiliense* Enderlein, 1934 = *S. albopictum* Lane & Porto, 1940). **Type locality:** Brazil, Minas Gerais, Benjamin Constant. **Distribution:** Argentina, Brazil (Mato Grosso do Sul, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia,

Paraguay. **References:** Coscarón *et al.* (2008); Pepinelli (2011); Adler (2025).

CERATOPOGONIDAE Newman, 1834
Subfamily FORCIPOMYIINAE Lenz, 1934
Genus FORCIPOMYIA Meigen, 1818

= *Labidomyia* Stephens, 1829 = *Tetrachora* Philippi, 1865
= *Didymophleps* Weyenbergh, 1883 = *Prohelea* Kieffer, 1911
= *Aspinus* Hong, 1981 = *Amberaspinus* Evenhuis, 1994.

Subgenus MICROHELEA Kieffer, 1917

Forcipomyia (Microhelea) paulista Falaschi, Albertoni & Fusari, 2014. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Falaschi *et al.* (2014).

CHIRONOMIDAE Newman, 1834
Subfamily CHIRONOMINAE Newman, 1834
Tribe CHIRONOMINI Newman, 1834
Genus AXARUS Roback, 1980

Axarus intervalles Andersen, Mendes & Hagenlund, 2018. **Type locality:** Brazil, São Paulo, Ribeirão Grande, Parque Estadual Intervalles. **Distribution:** Brazil (Minas Gerais, Santa Catarina, São Paulo, Rio Grande do Sul). **References:** Andersen *et al.* (2018); Pinho *et al.* (2019).

Genus BEARDIUS Reiss & Sublette, 1985

Beardius tupinamba Pinho, Mendes & Andersen, 2013. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Bahia, Minas Gerais, Rio de Janeiro, São Paulo). **Reference:** Pinho *et al.* (2013).

Beardius urupeatan Pinho, Mendes & Andersen, 2009. **Type locality:** Brazil, Acre, Mâncio Lima, Parque Nacional da Serra do Divisor. **Distribution:** Brazil (Acre, Amazonas, Maranhão, Mato Grosso, Pará, Santa Catarina, São Paulo). **References:** Pinho *et al.* (2009b); Pinho *et al.* (2013).

Genus CLAUDIOTENDIPES
Andersen, Mendes & Pinho, 2017

Claudiotendipes froehlichii Andersen, Mendes & Pinho, 2017. **Type locality:** Brazil, Bahia, Camaçan. **Distribution:** Brazil (Bahia, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Andersen *et al.* (2017).

Genus NILOTHAUMA Kieffer (1921)

Nilothauma jaraguense Mendes & Andersen, 2009. **Type locality:** Brasil, São Paulo, São Paulo.

Distribution: Brazil (São Paulo). **Reference:** Pinho & Andersen (2021).

Genus OUKURIELLA Epler, 1986

Oukuriella oliveirai Messias & Fittkau, 1997. **Type locality:** Brazil, Pará. **Distribution:** Brazil (Amazonas, Bahia, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Pará, Rio Grande do Sul, Santa Catarina, São Paulo), Mexico. **Reference:** Bellodi *et al.* (2016).

Oukuriella annamae Epler, 1996. **Type locality:** Costa Rica, Provincia Heredia, Estación Biológica La Selva. **Distribution:** Brazil (Bahia, Santa Catarina, São Paulo), Costa Rica. **Reference:** Bellodi *et al.* (2016).

Oukuriella plumaterata Bellodi, Fusari & Roque, 2016. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Bellodi *et al.* (2016).

Oukuriella froehlichii Fusari, Bellodi & Lamas, 2014. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo) **Reference:** Fusari *et al.* (2014).

Tribe PSEUDOCHIRONOMINI Sæther, 1977
Genus PSEUDOCHIRONOMUS Malloch, 1915

Pseudochironomus boraceia Trivinho-Strixino & Shimabukuro, 2018. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Trivinho-Strixino & Shimabukuro (2018).

Tribe TANYTARSINI Zavřel, 1917
Genus NANDEVA Wiedenbrug, Reiss & Fittkau, 1998

Nandeva latiloba Sæther & Roque, 2004. **Type locality:** Brazil, São Paulo, São Carlos. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo), Venezuela. **Reference:** Andersen *et al.* (2011a).

Nandeva cf. tropica Wiedenbrug, Reiss & Fittkau, 1998. **Type locality:** Brazil, Rio Grande do Sul, Bom Jesus. **Distribution:** Brazil (Rio Grande do Sul, São Paulo), Venezuela. **Reference:** Andersen *et al.* (2011a).

Subfamily ORTHOCLADIINAE Kieffer, 1911
Genus ANTILLOCLADIUS Sæther, 1981

Antillocladius brazuca Mendes & Andersen, 2008. **Type locality:** Brazil, Rio de Janeiro, Arraial do Cabo. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Mendes & Andersen (2008).

Antillocladius folius Mendes, Andersen & Sæther, 2004. **Type locality:** Brazil, São Paulo, Ribeirão Preto. **Distribution:** Brazil (Bahia, Espírito Santo, Paraná, Rio de Janeiro, Santa Catarina, São Paulo, Sergipe). **References:** Mendes *et al.* (2004); Mendes & Andersen (2008).

Genus COMPTEROSMITTIA Saether, 1981

Compterosmittia berui Mendes, Andersen & Sæther, 2004. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Mendes *et al.* (2004).

Genus CORYNONEURA Winnertz, 1846

Corynoneura boraceia Wiedenbrug, Lamas & Trivinho-Strixino, 2012. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Wiedenbrug *et al.* (2012).

Corynoneura vidiapodeme Wiedenbrug, Lamas & Trivinho-Strixino, 2012. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Wiedenbrug *et al.* (2012).

Genus DIPLOSMITTIA Sæther, 1981

Diplosmittia boraceia Pinho, Mendes & Andersen, 2009. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Pinho *et al.* (2009a).

Genus GRAVATAMBERUS Mendes & Andersen, 2008

Gravatamberus nidularium Mendes & Andersen, 2008. **Type locality:** Brazil, Santa Catarina, Florianópolis. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Mendes & Andersen (2008).

Genus JURURUMBERUS Mendes & Andersen, 2013

Jururumberus arapuca Mendes & Andersen, 2013. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Mendes & Andersen (2013).

Genus LOPESCLADIUS Oliveira, 1967

Subgenus CORDIELLA Coffman & Roback, 1984

Lopescladius (Cordiella) uncatu Hagenlund, Andersen & Mendes, 2010. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Hagenlund *et al.* (2010).

Genus OLEIA Andersen & Mendes, 2007

Oleia boraceia Andersen & Mendes, 2007. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Andersen & Mendes (2007).

Genus MAXIMBERUS Andersen & Mendes, 2012

Maximberus maxi Andersen & Mendes, 2012. **Type locality:** Brazil, Santa Catarina, São Bento do Sul. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Andersen & Mendes (2012).

Genus PEBAPOMBERUS Mendes & Anderson, 2012

Pebapomberus rugendas Mendes & Andersen, 2012. **Type locality:** Brazil, Santa Catarina, São Bento do Sul. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Mendes & Andersen (2012).

Genus PELOMUS Reiss, 1989

Pelomus psammophilus Trivinho-Strixino & Strixino, 2008. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Trivinho-Strixino & Strixino (2008).

Genus PSEUDOSMITTIA Edwards, 1932

Pseudosmittia cambuciensis Andersen, Sæther & Mendes, 2010. **Type locality:** Brazil, São Paulo, Cubatão. **Distribution:** Brazil (São Paulo, Paraná). **Reference:** Andersen *et al.* (2010a).

Pseudosmittia windwardensis (Sæther, 1981) (*Smittia*). **Type locality:** Saint Vincent, Majorca. **Distribution:** Brazil (Bahia, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Costa Rica, St. Vincent. **Reference:** Andersen *et al.* (2010a).

Genus SAETHEROCLADIUS Andersen & Mendes, 2007

Saetherocladius triangulatus Andersen, Mendes & Pinho, 2010. **Type locality:** Brazil, São Paulo, Ribeirão Grande, Parque Estadual Intervales. **Distribution:** Brazil (São Paulo). **Reference:** Andersen *et al.* (2010b).

Genus SAETHEROCRYPTUS Andersen & Mendes, 2007

Saetherocryptus clavatus Andersen & Mendes, 2007. **Type locality:** Brazil, São Paulo, Ribeirão Grande, Parque

Estadual Intervalles. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Andersen & Mendes (2007).

Saetherocryptus temimino Andersen, Mendes & Pinho, 2011. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Andersen *et al.* (2011b).

RHAGIONIDAE Latreille, 1802
Subfamily RHAGIONINAE Latreille, 1802
Genus CHRYSOPILUS Macquart, 1826

= *Hemictaina* Westwood, 1835.

Chrysopilus balbii Santos & Amorim, 2007. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Santos & Amorim (2007).

Chrysopilus capillosus Santos & Amorim, 2007. **Type locality:** Brazil, São Paulo, Cubatão. **Distribution:** Brazil (São Paulo). **Reference:** Santos & Amorim (2007).

Chrysopilus hyalinus Santos & Amorim, 2007. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Santos & Amorim (2007).

TABANIDAE Latreille, 1802
Subfamily CHRYSOPSINAE Blanchard, 1840
Genus CHRYSOPS Meigen, 1803

Chrysops crucians Wiedemann, 1828. **Type locality:** "Brazil". **Distribution:** Brazil (Bahia, Goiás, Rio de Janeiro, São Paulo, Paraná, Rio Grande do Sul). **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, II-949 [ii.1949], Est. [Estado, state] S. [São] Paulo, Salesópolis, [Estação Biológica de] Boraceia, Barretto col. [MZUSP].

Chrysops leucospilus Wiedemann, 1828 (= *C. guttula* Wiedemann, 1828). **Type locality:** "Brazil". **Distribution:** Argentina, Panama to Brazil, Paraguay. **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, XI-949 [xi.1959], Est. [Estado, state] S. [São] Paulo, Salesópolis, [Estação Biológica de] Boraceia, Barretto col. [MZUSP].

Chrysops molestus Wiedemann, 1828 (= *C. oculatus* Bigot, 1892). **Type locality:** "Brazil". **Distribution:** Argentina, Brazil (Bahia, Espírito Santo, Goiás, Minas Gerais, São Paulo), ?Peru. **References:** Henriques & Gorayeb (1993); Coscarón & Papavero (2009).

Chrysops varians Wiedemann, 1828 (= *C. tardus* Wiedemann, 1828 = *C. sublaeta* Philip, 1955 = *C. ssp. vargus*

Fairchild, 1986). **Type locality:** "Brazil". **Distribution:** Argentina, Brazil (Amapá to Rio Grande do Sul), Colombia, Guyana, Panama, Paraguay, Peru, Trinidad and Tobago, Venezuela. **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, S.P. [São Paulo], 850 m, Rabello coll., 2.11.65 [02.xi.1965] [Carmo, D.D.D., Det., 2024] [MZUSP].

Subfamily PANGONIINAE Rondani, 1856
Genus ESENBECKIA Rondani, 1863

= *Dyspangonia* Lutz, 1905.

Subgenus ESENBECKIA Rondani, 1863

Esenbeckia (Esenbeckia) fuscipennis (Wiedemann, 1828) (*Pangonia*) (= *E. flavescens* Lutz, 1909 = *E. lutzii* Enderlein, 1925). **Type locality:** "Brazil". **Distribution:** Brazil (Mato Grosso and Minas Gerais to Santa Catarina). **References:** Wilkerson & Fairchild (1983); Coscarón & Papavero (2009).

Genus FIDENA Walker, 1850

= *Pangonia* Walker, 1850 = *Erephopsis* Rondani, 1863 = *Sackenimyia* Bigot, 1879 = *Phaeoneura* Lutz, 1909 = *Epipsila* Lutz, 1909 = *Lonopsis* Lutz, 1909 = *Bombylopsis* Lutz, 1909 = *Bombylomyia* Lutz, 1911 = *Phaeomyia* Lutz, 1911 = *Chrysochiton* Lutz & Castro, 1936.

Subgenus FIDENA Walker, 1850

Fidena (Fidena) albibarba Enderlein, 1925 (= *F. leucopogon* Wiedemann of Lutz, 1909). **Type locality:** Brazil, Santa Catarina, Teresópolis. **Distribution:** Brazil (São Paulo to Santa Catarina). **Reference:** Henriques & Gorayeb (1993).

Fidena (Fidena) brachycephala Kröber, 1931. **Type locality:** "Brazil". **Distribution:** Argentina, Brazil (Goiás to Rio de Janeiro). **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, São Paulo, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, S.P. [São Paulo], 850 m, Rabello coll., 6.8.64 [06.viii.1964] [Carmo, D.D.D. Det., 2024] [MZUSP].

Fidena (Fidena) decipiens Kröber, 1931 (= *F. penicilata* Bigot of Lutz, 1909). **Type locality:** Brazil, São Paulo, Paranapiacaba (as Alto da Serra), near Santos. **Distribution:** Brazil (São Paulo). **Reference:** Henriques & Gorayeb (1993).

Fidena (Fidena) erythronotata (Bigot, 1892) (*Mycteromyia*) (= *F. pseudoanalis* Lutz, 1909). **Type**

locality: Brazil, Rio de Janeiro, Teresópolis. **Distribution:** Brazil (Minas Gerais to Rio de Janeiro). **References:** Henriques (1997); Coscarón & Papavero (2009).

Fidena (Fidena) fusca (Thunberg, 1827) (*Tanyglossa*) (= *F. besckii* Wiedemann, 1828). **Type locality:** unknown (probably Rio de Janeiro). **Distribution:** Brazil (Mato Grosso and Minas Gerais to Santa Catarina). **References:** Henriques & Gorayeb (1993); Coscarón & Papavero (2009).

Fidena (Fidena) nigripes (Röder, 1886) (*Pangonia*) (nom. nov. for *F. longirostris* Macquart, 1847 = *F. aurifasciata* Enderlein, 1925 = *F. obtusipalpis* Enderlein, 1925). **Type locality:** "Brazil". **Distribution:** Argentina, Brazil (Goiás and Minas Gerais to Santa Catarina and Rio Grande do Sul). **References:** Henriques & Gorayeb (1993); Coscarón & Papavero (2009).

Fidena (Fidena) nitens (Bigot, 1892) (*Mycteromyia*) (= *F. foetterlei* Lutz, 1909). **Type locality:** "Brazil". **Distribution:** Brazil (São Paulo to Santa Catarina). **References:** Henriques & Gorayeb (1993); Henriques (1997); Coscarón & Papavero (2009).

Fidena (Fidena) rufohirta (Walker, 1848) (*Pangonia*) (= *F. ornata* Kröber, 1931 = *F. nigrohirta* Walker, 1848 = *F. piceohirta* Walker, 1848). **Type locality:** "Brazil". **Distribution:** Brazil (Espírito Santo, Minas Gerais, Rio de Janeiro, São Paulo). **References:** Henriques & Gorayeb (1993); Coscarón & Papavero (2009).

Subgenus NEOPANGONIA Walker, 1850

Fidena (Neopangonia) pusilla (Lutz, 1909) (*Neopangonia*) (= *F. micropangonia* Lutz, 1922). **Type locality:** Brazil, São Paulo, São Paulo, Serra da Cantareira. **Distribution:** Brazil (São Paulo). **References:** Henriques & Gorayeb (1993); Coscarón & Papavero (2009).

Genus LEPMIA Fairchild, 1969

Lepmia seminigra (Ricardo, 1902) (*Diatomineura*) (= *Melpia ferruginea* Enderlein, 1925). **Type locality:** Brazil, Espírito Santo. **Distribution:** Brazil (Espírito Santo, Minas Gerais, Paraná, Rio de Janeiro, São Paulo). **References:** Coscarón & Iide (2003); Coscarón & Papavero (2009).

Genus PSEUDOSCIONE Lutz, 1918

Pseudoscione hibernus (Wilkerson & Coscarón, 1984) (*Scaptia*). **Type locality:** Brazil, Rio de Janeiro, Mangaratiba. **Distribution:** South Eastern Brazil. **References:** Henriques & Gorayeb (1993); Henriques (1997); Coscarón & Papavero (2009).

Pseudoscione longipennis (Ricardo, 1902). **Type locality:** Brazil, Espírito Santo. **Distribution:** Brazil (Minas

Gerais to Rio Grande do Sul). **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de BORACEIA, Salesópolis, S.P. [São Paulo], 850 m, Rabello col., 27-01/III-64/ [27.ii-01.iii.1964], *Scaptia (Pseudoscione) longipennis* Ric. Det. Fairchild, 1966. [MZUSP].

Subfamily TABANINAE Latreille, 1802 Genus ACANTHOCERA Macquart, 1834 Subgenus ACANTHOCERA Macquart, 1834

Acanthocera (Acanthocera) aureoscutellata Henriques & Rafael, 1992. **Type locality:** Brazil, São Paulo, Ribeirão Preto, rio Tamanduá. **Distribution:** Argentina, Brazil (Espírito Santo, Goiás, Mato Grosso, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo), Paraguay. **References:** Henriques & Rafael (1992); Coscarón & Papavero (2009).

Acanthocera (Acanthocera) coarctata (Wiedemann, 1828) (*Haematopota*). **Type locality:** "Brazil". **Distribution:** Argentina, Brazil (Rio de Janeiro, São Paulo), Paraguay. **References:** Henriques & Rafael (1995); Coscarón & Papavero (2009).

Acanthocera (Acanthocera) longicornis (Fabricius, 1775) (*Tabanus*) (= *A. triangularis* Wiedemann, 1819 = *A. pictipennis* Macquart, 1834 = *A. longicornis* Macquart, 1838). **Type locality:** "Brazil [Rio de Janeiro]". **Distribution:** Brazil (Espírito Santo, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de BORACEIA, Salesópolis, S.P. [São Paulo] Henriques, Det., 2024 [INPA].

Subgenus NOTHOCANTHOCERA Macquart, 1834

Acanthocera (Nothocanthocera) apicalis Fairchild, 1939. **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Brazil (São Paulo, Paraná). **References:** Henriques & Rafael (1995); Coscarón & Papavero (2009).

Acanthocera (Nothocanthocera) tenuicornis Lutz, 1915. **Type locality:** Brazil, São Paulo, Serra do Cubatão, and Minas Gerais, [Santa Rita de Jacutinga, Serra do] Pacau. **Distribution:** Brazil (Minas Gerais, Paraná, Santa Catarina, São Paulo). **References:** Barretto (1947); Coscarón & Papavero (2009).

Genus CATCHLOROPS Lutz, 1913 Subgenus CATCHLOROPS Lutz, 1913

Catchlorops (Catchlorops) nigriventer Barretto, 1946. **Type locality:** Brazil, São Paulo, Salesópolis (Poço Preto).

Distribution: Brazil (São Paulo). **References:** Barretto (1946); Coscarón & Papavero (2009).

Catachlorops (Catachlorops) psolopterus (Wiedemann, 1828) (*Tabanus*) (= *Dichelacera fuscipennis* Macquart, 1847). **Type locality:** Uruguay, Montevideo. **Distribution:** Brazil (Minas Gerais to Santa Catarina), Uruguay. **References:** Coscarón & Papavero (2009); Dutra & Carmo (2024).

SUBGENUS HADROCHLOROPS FAIRCHILD, 1969

Catachlorops (Hadrochlorops) rufipennis (Macquart, 1838) (*Tabanus*) (= *Dichelacera castanea* Bigot, 1892 = *Gymnochela angustifrons* Kröber, 1932). **Type locality:** "Brazil". **Distribution:** Brazil (Paraná, São Paulo). **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, S.P. [São Paulo], 850 m. Rabello col., 14.I.64 [14.I.1964], B. Shannon Isca Humana Mata [shannon, human bait, forest], 19-20 Nº 33/135 [MZUSP].

Comments: This specimen was erroneously identified as *Di cladocera castanea* Barretto, 1949 in the MZUSP collection.

Catachlorops scutellatus (Macquart, 1838) (*Tabanus*) (= *Dichelacera satanica* Bigot, 1892 = *D. barbiellinii* Borgmeier, 1933). **Type locality:** unknown. **Distribution:** Brazil (São Paulo to Santa Catarina). **References:** Barretto (1948); Coscarón & Papavero (2009).

Genus CHLOROTABANUS Lutz, 1913

Chlorotabanus ochreus Philip & Fairchild, 1956. **Type locality:** Brazil, São Paulo, Bocaina. **Distribution:** Brazil (São Paulo). **References:** Coscarón & Papavero (2009); Krolow & Henriques (2010).

Chlorotabanus parviceps (Kröber, 1934) (*Tabanus*) (= *Tabanus microcephalus* Kröber, 1930 = *T. sulfureus* Macquart of Brèthes, 1921). **Type locality:** Brazil, Minas Gerais, São João del Rei. **Distribution:** Argentina, Brazil (Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Rondônia, Santa Catarina, São Paulo), Guyana, Paraguay, Peru, Uruguay. **References:** Coscarón & Papavero (2009); Krolow & Henriques (2010).

Genus DICHELACERA Macquart, 1838

= *Acanthocercella* Brèthes, 1910 = *Rhamphis* Enderlein, 1922 = *Linapha* Enderlein, 1923 = *Neorhamphis* Kröber, 1931 = *Macropalpigera* Kröber, 1931 = *Lanemyia* Barreto, 1949 = *Fairchildia* Barreto, 1960.

Subgenus DICHELACERA Macquart, 1838

Dichelacera (Dichelacera) alcornis (Wiedemann, 1828) (*Tabanus*). **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Argentina, Bolivia, Brazil (Mato Grosso and Minas Gerais to Santa Catarina). **References:** Coscarón & Papavero (2009); Dutra & Carmo (2024).

Dichelacera (Dichelacera) januarii (Wiedemann, 1819) (*Tabanus*) (= *Tabanus brasiliensis* Rondani, 1850 = *D. rubricosa* Wulp of Lutz, 1915 = *D. lacerifascia* Lutz, 1915 = *D. pseudojanuarii* Kröber, 1931 = *D. fraterna* Kröber, 1931 = *D. decipiens* Kröber, 1931). **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Argentina, Brazil (Bahia, Espírito Santo, Goiás, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Paraguay. **References:** Henriques & Gorayeb (1993); Coscarón & Papavero (2009); Dutra & Carmo (2024).

Genus DICLADOCERA Lutz, 1913

Subgenus DICLADOCERA Lutz, 1913

Di cladocera (Di cladocera) guttipennis (Wiedemann, 1828) (*Tabanus*) (= *D. sparsa* Walker, 1850). **Type locality:** "Brazil". **Distribution:** Brazil (Mato Grosso, Minas Gerais to Santa Catarina). **References:** Henriques & Gorayeb (1993); Coscarón & Papavero (2009).

Genus ERIONEURA Barretto, 1950

Erioneura fuscipennis (Wiedemann, 1828) (*Tabanus*). **Type locality:** "Brazil". **Distribution:** Brazil (Rio de Janeiro, São Paulo). **References:** Barretto (1950); Coscarón & Papavero (2009).

Genus PHAEOTABANUS Lutz, 1913

Phaeotabanus limpidapex (Wiedemann, 1828) (*Tabanus*) (= *Tabanus tinctipennis* Brèthes, 1910). **Type locality:** "Brazil". **Distribution:** Argentina, Bolivia, Brazil (Bahia, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Henriques & Gorayeb (1993).

Phaeotabanus litigiosus (Walker, 1850) (*Tabanus*) (= *Tabanus minor* Kröber, 1930 = *T. minoratus* Kröber, 1934). **Type locality:** "South America". **Distribution:** Brazil (Minas Gerais, Paraná, Rio de Janeiro, São Paulo). **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, São Paulo, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, xi.1943, J. Lane col. [INPA].

Genus PSEUDACANTHOCERA Lutz & Neiva, 1914

Pseudacanthocera sylveirii (Macquart, 1838) (*Silvius*) (= *Tabanus macroceratus* Bigot, 1892). **Type locality:** "Brazil". **Distribution:** Brazil (Goiás to Rio de Janeiro and

Paraná). **References:** Henriques (1997); Coscarón & Papavero (2009).

Genus RHABDOTYLUS Lutz, 1913

= *Gymnochela* Enderlein, 1925.

Rhabdotylus planiventris (Wiedemann, 1828) (*Tabanus*) (= *Pangonia cornuta* Walker, 1837 = *Tabanus lativentris* Macquart, 1838). **Type locality:** "Brazil". **Distribution:** Argentina, Brazil (São Paulo to Santa Catarina). **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, S.P. [São Paulo], 850 m, Rabello col., 22.xii.1961, Isca humana [human bait] 7 as 12 horas/101, Stibasoma (*Rhabdotylus*) *planiventris* Wied. det Fairchild, 1966 [MZUSP].

Genus STENOTABANUS Lutz, 1913

= *Leptotabanus* Lutz & Neiva, 1914 = *Styposelaga* Enderlein, 1922.

Subgenus STENOTABANUS Lutz, 1913

Stenotabanus (Stenotabanus) taeniotes (Wiedemann, 1828) (= *Tabanus trifascia* Walker, 1850 = *T. taeniates* Hunter, 1901 = *Stenotabanus taeniodes* Enderlein, 1922 = *S. pallipes* Kröber, 1929). **Type locality:** "Brazil. Freireiss". **Distribution:** Brazil (Mato Grosso, Rio de Janeiro to Santa Catarina). **References:** Papavero (1971); Coscarón & Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, S.P. [São Paulo], 850 m, Rabello col., 14.xii.1966, Isca humana, Arm. [Armadilha] Shannon c. [com] luz., horas 19.30-20, Det. Fairchild, 1966. [MZUSP].

Genus STIBASOMA Schiner, 1867

Subgenus STIBASOMA Schiner, 1867

Stibasoma (Stibasoma) aureoguttatum Kröber, 1931. **Type locality:** Brazil, Espírito Santo. **Distribution:** Brazil (São Paulo, Espírito Santo, Rio de Janeiro). **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Ric. Trav. & Trav. F., 24.Jan-1968 [24.i.1968], Carmo, D.D.D. Det., 2024. [MZUSP].

Genus STYPOMMISA Enderlein, 1914

= *Stictotabanus* Lutz & Neiva, 1914 = *Enderleiniella* Kröber, 1932 = *Dudaelia* Strand, 1932.

Stypommisa paraguayensis (Kröber, 1930a) (*Stypommia*). **Type locality:** Paraguay, Itapúa, Hohenau. **Distribution:** Brazil (Minas Gerais, São Paulo), Paraguay. **References:** Fairchild & Wilkerson (1986); Coscarón & Papavero (2009).

Genus POECILODERAS Lutz, 1921

= *Poecilosoma* Lutz, 1909 = *Poecilochlamys* Lutz, 1922 = *Dasyphyrtia* Enderlein, 1922 = *Hybopelma* Enderlein, 1922 = *Poecilochlamys* Lutz in Lutz & Núñez To-var, 1928.

Poeciloderas quadripunctatus (Fabricius, 1805) (= *Tabanus*, as *4punctatus* = *T. elegans* Thunberg, 1827 = *T. punctipennis* Macquart, 1838 = *T. maculipennis* Macquart, 1846 = *T. amabilis* Walker, 1848 = *T. nigropunctatus* Bellardi, 1859 = *T. habilis* Brèthes, 1910 = *P. dasyphyrtina* Enderlein, 1925 = *T. platyventris* Kröber, 1931 = *P. quadripunctatus* var. *amabilinus* Philip, 1960). **Type locality:** "South America, Smidt". **Distribution:** Mexico to Argentina, Brazil (Acre, Amazonas, Espírito Santo, Maranhão, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, Rondônia, Roraima, Santa Catarina, São Paulo, Tocantins). **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, S.P. [São Paulo], 850 m, Rabello col. LTF, 15-III-67 [15.iii.1967], Nº 179/, isca humana [human bait], 14-18 horas, *Poeciloderas quadripunctatus* (Fabr.) [MZUSP].

Genus TABANUS Linnaeus, 1758

= *Bellardia* Rondani, 1863 = *Macrocornus* Lutz, 1909 = *Neotabanus* Lutz, 1909 = *Macrocornus* Lutz, 1911 = *Chelotabanus* Lutz, 1913 = *Macrocornus* Lutz, 1913 = *Neotabanus* Lutz, 1913 = *Odontotabanus* Lutz, in Lutz, Araujo & Fonseca-Filho, 1918 = *Brachypsalidia* Enderlein, 1922 = *Chelommia* Enderlein, 1922 = *Hybostraba* Enderlein, 1923 = *Straba* Enderlein, 1923 = *Lophotabanus* Szilády, 1926 = *Bellaria* Strand, 1928 = *Taeniotabanus* Kröber, 1930 = *Taeniotabanus* Kröber, 1931 = *Astigmatophthalmus* Kröber, 1931 = *Alliomma* Borgmeier, 1934.

Tabanus basilaris Kröber, 1931. **Type locality:** "Brazil". **Distribution:** Brazil (Minas Gerais, São Paulo). **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, S.P., 850 m, Rabello col., 01-II-61 [01.ii.1961], *Tabanus basilaris*, D.D.D. Carmo, Det., 2024. [MZUSP].

Tabanus fuscus Wiedemann, 1819 (= *T. piceus* Thunberg, 1827 = *T. bicolor* Thunberg, 1827 = *T. impressus*

Wiedemann, 1828 = *T. monochroma* Wiedemann, 1828 = *T. clausus* Macquart, 1847 = *T. ferreus* Walker, 1848 = *T. erythraeus* Bigot, 1892). **Type locality:** "Brazil, Bahia". **Distribution:** Brazil (Mato Grosso and Bahia to Rio Grande do Sul), Uruguay, Argentina (Misiones). **References:** Fairchild (1984); Coscarón & Papavero (2009).

Tabanus triangulum Wiedemann, 1828 (= *T. ?pudens* Walker, 1850 = *T. subsenex* Walker, 1850 = *T. eutaeniatus* Bigot, 1892 = *T. uruguayensis* Kröber, 1933 = *T. uruguayanus* Kröber, 1934). **Type locality:** "Brazil". **Distribution:** Brazil (Distrito Federal, Goiás, Mato Grosso do Sul, Mato Grosso, Paraná, Rio Grande do Sul, Santa Catarina, São Paulo), Paraguay, Uruguay, Bolivia, Argentina. **Reference:** Coscarón & Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, São Paulo – Brasil, 18.X.969 [18.x.1969], K. Lenko col., *Tabanus triangulum*, D.D.D. Carmo, Det., 2024. [MZUSP].

STRATIOMYIDAE Latreille, 1802

Subfamily BERIDINAE Westwood, 1838

Genus ARCHISTRATIOMYS Enderlein, 1913

Archistratiomys rufipalpis (Wiedemann, 1830) (*Xylophagus*) (= *A. brasiliensis* Enderlein, 1921 = *A. itatiayensis* Lindner, 1928). **Type locality:** "Mexico", but probably Brazil, according to Woodley, 2001: 58. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Woodley (2001).

Material examined: 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-09.xi.2016, Shannon trap, D.S. Amorim & team [MZUSP]. 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-09.xi.2016, Malaise trap, 853 m, D.S. Amorim & team [ZUFG]. 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'03.8"S, 45°53'32.88"W, 06-10.xi.2016, Malaise trap, 892 m, D.S. Amorim & team [ZUFG]. 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-10.xi.2016, Malaise trap, D.S. Amorim & team [MZUSP].

Genus OPLACHANTHA Rondani, 1863

Oplachantha cincticornis Enderlein, 1921 (*Hoplachantha*) (= *O. tristis* Enderlein, 1921). **Type locality:** Brazil, Santa Catarina. **Distribution:** Bolivia, Brazil (Rio de Janeiro, Santa Catarina, São Paulo), Peru. **References:** James (1977); Woodley (2001).

Subfamily CHRYSOCHLORININAE Woodley, 2001

Genus CHRYSOCHLORINA James, 1939

Chrysochlorina pluricolor (Bigot, 1879). **Type locality:** Brazil. **Distribution:** Brazil (Goiás, Minas Gerais, Rio de

Janeiro, São Paulo). **References:** lide (1966); Woodley (2001); Machado & Fachin (2025).

Subfamily CLITELLARIINAE Brauer, 1882

Genus ABAVUS Enderlein, 1914

Abavus priscus Enderlein, 1914. **Type locality:** Brazil, Santa Catarina. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Woodley (2001).

Material examined: 1♀, Brasil, SP, Salesópolis, Boraceia [Estação Biológica de Boraceia], Armadilha Malaise 5, 06-11.xi.2010, D. Ament, D. Amorim, P. Riccardi col. [MZUSP]. 1♀, Brasil, SP, Salesópolis, Boraceia [Estação Biológica de Boraceia], Armadilha Malaise 4, 06-11.xi.2010, D. Ament, D. Amorim, P. Riccardi col. [ZUFG].

Comments: This is the first record of this species for the state of São Paulo.

Genus LEUCOPTILUM James, 1943

Leucoptilum plaumanni James, 1943 (= *Adoxomyia niveipenicillata* Lindner, 1949). **Type locality:** Brazil, Santa Catarina, Nova Teutônia. **Distribution:** Brazil (Goiás, Rio de Janeiro, Santa Catarina, São Paulo). **References:** Woodley (2001); Machado & Fachin (2025).

Material examined: 1♀, Brasil, SP, Salesópolis, Boraceia [Estação Biológica de Boraceia], Armadilha Malaise 4, 06-11.xi.2010, D. Ament, D. Amorim, P. Riccardi col. [ZUFG].

Comments: This is the first record of this species for the state of São Paulo.

Subfamily PACHYGASTRINAE Loew, 1856

Genus CAENACANTHA Wulp, 1885

= *Spaniomyia* Kertész, 1914 = *Pachycyanomyia* McFadden, 1972.

Caenacantha pulchripennis (Brauer, 1882) (*Artemita*). **Type locality:** Brazil. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Woodley (2001).

Material examined: 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-10.xi.2016, Malaise trap, D.S. Amorim & team [ZUFG].

Comments: This is the first record of this species for the state of São Paulo.

Subfamily RAPHIOCERINAE Schiner, 1868

Genus RAPHIOCERA Macquart, 1834

= *Hoplistes* Macquart, 1834 = *Basentidema* Macquart, 1838.

Raphiocera armata (Wiedemann, 1830) (*Sargus*) (= *Sargus fallenii* Perty, 1833 = *Rhaphiocera picta* Wulp, 1879 = *Rhaphiocera armata* var. *borgmeieri* Lindner, 1931 = *Rhaphiocera armata* var. *hansae* Lindner, 1931 = *Rhaphiocera armata* var. *minasensis* Lindner, 1931 = *Rhaphiocera armata* var. *stieglmayri* Lindner, 1931 = *Rhaphiocera armata* var. *transhansae* Lindner, 1931 = *Rhaphiocera armata* ssp. *zikani* Lindner, 1935 = *Basentidema coeruleascens* James, 1943). **Type locality:** Brazil. **Distribution:** Brazil (Espírito Santo, Mato Grosso, Minas Gerais, Paraná, Santa Catarina, São Paulo, Rio de Janeiro, Rio Grande do Sul). **References:** Pimentel & Pujol-Luz (2001); Woodley (2001, 2011).

Subfamily SARGINAE Walker, 1834
Genus ACROCHAETA Wiedemann, 1830

Acrochaeta dimidiata Lindner, 1949. **Type locality:** Brazil, Santa Catarina, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Fachin & Amorim (2015).

Material examined: 1♂, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.5"S, 45°53'15.6"W, 03-09.xi.2016, Malaise trap, 853 m, D.S. Amorim & team [ZUFG].

Acrochaeta fasciata Wiedemann, 1830. **Type locality:** Brazil, Bahia. **Distribution:** Brazil (Amapá, Bahia, Espírito Santo, Mato Grosso do Sul, Minas Gerais, Paraná, Santa Catarina, São Paulo, Rio de Janeiro, Rio Grande do Sul), Paraguay. **Reference:** Fachin & Amorim (2015).

Material examined: 1♂, 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'18.2"S, 45°53'18.0"W, Trilha do Divisor, Malaise, 22.ii.2005, 13:00-14:00, R.S.M.F. Feitosa & A.P. Aguiar [ZUFG]. 1♂, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'18.2"S, 45°53'18.0"W, Trilha do Divisor, Malaise, 22.ii.2005, 17:00-18:00, R.S.M.F. Feitosa & A.P. Aguiar [MZUSP]. 1♂, Brazil, SP, Salesópolis, Res. [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'05.1"S, 45°53'51.8"W, Malaise – mata [forest] 11h00-12h00, 26.xi.2005, L.K. Nogueira & A.P. Aguiar col. [MZUSP]. 1♂, 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-09.xi.2016, Malaise trap, 853 m, D.S. Amorim & team [ZUFG]. 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'03.8"S, 45°53'32.88"W, 06-10.xi.2016, Malaise trap, 892 m, D.S. Amorim & team [MZUSP].

Acrochaeta polychaeta Fachin & Amorim, 2015. **Type locality:** Brazil, Paraná, Morretes, Parque Estadual do Pau Oco. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo). **Reference:** Fachin & Amorim (2015).

Acrochaeta pseudofasciata Fachin & Amorim, 2015. **Type locality:** Brazil, Minas Gerais, Botelhos, Córrego da Onça. **Distribution:** Brazil (Bahia, Espírito Santo, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Fachin & Amorim (2015).

Material examined: 1♂, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'18.2"S, 45°53'18.0"W, Trilha do Divisor, Malaise, 26.ii.2005, 13:00-14:00, J.C. de Souza & A.P. Aguiar [ZUFG].

Acrochaeta pseudopolychaeta Fachin & Amorim, 2015. **Type locality:** Brazil, São Paulo, Bocaina. **Distribution:** Brazil (São Paulo). **Reference:** Fachin & Amorim (2015).

Material examined: 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'01"S, 45°54'42"W, 07-09.xi.2016, Malaise trap by second bridge, D.S. Amorim & team [ZUFG].

Genus MEROSARGUS Loew, 1855

= *Compsossoma* Brauer, 1882 = *Aloipha* Enderlein, 1914 = *Coenosargus* Enderlein, 1914 = *Aloiphina* Lindner, 1949.

Merosargus azureus (Enderlein, 1914) (*Coenosargus*). **Type locality:** Brazil, Santa Catarina. **Distribution:** Brazil (Minas Gerais, Pará, Roraima, Santa Catarina, São Paulo), Ecuador, Guyana, Panama, Peru, Venezuela. **References:** James & McFadden (1971); Woodley (2001); Fachin & Amorim (2015).

Material examined: 1♀, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 01.ix-23.x.2008, Malaise, Mello col. [ZUFG]. 1♂, Brasil, SP, Salesópolis, Res. Biol. [Estação Biológica de], Boraceia, 23°39'05"S, 45°53'51"W, 01-04.xii.2008, Amorim, Falaschi & Miranda col. [MZUSP]. 2♂♂, 6♀♀, Brasil, SP, Salesópolis, [Estação Biológica de] Boraceia, Armadilha Malaise 6, 06-11.xi.2010, D. Ament, D. Amorim, P. Riccardi col. [ZUFG]. 2♂♂, 1♀, Brasil, SP, Salesópolis, [Estação Biológica de] Boraceia, Armadilha Malaise 5, 06-11.xi.2010, D. Ament, D. Amorim, P. Riccardi col. [MZUSP]. 1♂, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 26-27.iii.2011, Malaise, Mello col. [MZUSP]. 1♂, 1♀, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, Trilha do Caseiro, Malaise, 04-07.xi.2012, F. Gudín & P. Moll col. [MZUSP]. 1♂, 2♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'21"S, 45°53'19.7"W, Shannon (sede), 11-13.xii.2015, Nihei, Marinho e eq. col. [MZUSP]. 1♂, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'21"S, 45°53'19.7"W, Shannon (Trilha) [trail], 11-13.xii.2015, Nihei, Marinho e eq. col. [MZUSP]. 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'21"S, 45°53'19.7"W, Malaise (trilha) [trail], 11-13.xii.2015, Nihei, Marinho e eq. col. [MZUSP]. 1♂, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 03-09.xi.2016, Canopy trap, D.S. Amorim & team [ZUFG]. 1♂, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, base, 23°39'13.1"S, 45°52'59.6"W, 03-09.xi.2016, sweeping, D.S. Amorim & team [ZUFG]. 2♂♂, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-10.xi.2016, Malaise trap, D.S. Amorim & team [ZUFG]. 2♂♂, 1♀, Brazil, SP, Salesópolis, Estação

Biológica de Boraceia, 23°39'03.8"S, 45°53'32.88"W, 06-10.xi.2016, Malaise trap, 892 m, D.S. Amorim & team [MZUSP].

Merosargus cingulatus Schiner, 1868. **Type locality:** "South America". **Distribution:** Brazil (Ceará, Maranhão, Mato Grosso do Sul, Minas Gerais, Paraná, Rio de Janeiro, Roraima, Santa Catarina, São Paulo), Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Trinidad and Tobago, Venezuela. **References:** Woodley (2001); Fachin *et al.* (2024).

Material examined: 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'18.2"S, 45°53'18.0"W, Trilha do Divisor, Malaise, 22.ii.2005, 17:00-18:00, R.S.M.F. Feitosa & A.P. Aguiar [ZUFG]. 2♂♂, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'21"S, 45°53'19.7"W, Shannon (trilha) [trail], 11-13.xii.2015, Nihei, Marinho e eq. col. [ZUFG]. 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'21"S, 45°53'19.7"W, Malaise (trilha) [trail], 11-13.xii.2015, Nihei, Marinho e eq. col. [MZUSP]. 2♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'21"S, 45°53'19.7"W, Malaise (sede) [base], 11-13.xii.2015, Nihei, Marinho e eq. col. [MZUSP]. 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'01"S, 45°54'42"W, 07-09.xi.2016, Malaise trap by second bridge, D.S. Amorim & team [MZUSP]. 1♂, 2♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-10.xi.2016, Malaise trap, D.S. Amorim & team [MZUSP].

Merosargus festivus Williston, 1888. **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **References:** Woodley (2001); Fachin & Amorim (2015).

Material examined: 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, Base, 23°39'13.1"S, 45°52'59.6"W, 03-09.xi.2016, Sweeping, D.S. Amorim & team [MZUSP]. 2♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 04-10.xi.2016, Malaise trap, 860 m, D.S. Amorim & team [ZUFG].

Merosargus gracilis Williston, 1888. **Type locality:** Brazil, Mato Grosso, Chapada. **Distribution:** Brazil (Goiás, Mato Grosso, Minas Gerais, Roraima, Santa Catarina, São Paulo), Ecuador, Peru, Venezuela. **References:** Woodley (2001); Machado & Fachin (2025).

Material examined: 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'21"S, 45°53'19.7"W, Malaise (sede) [base], 11-13.xii.2015, Nihei, Marinho & eq. col. [MZUSP].

Merosargus obscurus (Wiedemann, 1830) (*Sargus*). **Type locality:** Brazil. **Distribution:** Brazil (São Paulo). **References:** Woodley (2001); Fachin & Amorim (2015).

Merosargus opaliger Lindner, 1931. **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Brazil (Goiás, Minas Gerais,

Rio de Janeiro, Santa Catarina, São Paulo). **References:** Woodley (2001); Machado & Fachin (2025).

Material examined: 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-09.xi.2016, Malaise trap, 853 m, D.S. Amorim & team [MZUSP]. 1♀, Brazil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 04-10.xi.2016, Malaise trap, D.S. Amorim & team [ZUFG].

Merosargus pictipes James, 1971. **Type locality:** Peru, Madre de Dios, Avispas, 400 m. **Distribution:** Brazil (São Paulo), Bolivia, Ecuador, Peru, Venezuela. **Reference:** Woodley (2001).

Material examined: 1♀, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, 24-28.iii.2011, Malaise 1, Ament, D.C., Falaschi, R.L. & Riccardi, P.R. [MZUSP]. 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'21"S, 45°53'19.7"W, Shannon (trilha) [trail], 11-13.xii.2015, Nihei, Marinho e eq. col. [ZUFG]. 1♂, 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-09.xi.2016, Malaise trap, 853 m, D.S. Amorim & team [ZUFG]. 1♂, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-10.xi.2016, Malaise trap, D.S. Amorim & team [MZUSP].

Comments: This is the first record of this species for Brazil.

Merosargus stigmaticus (Lindner, 1949) (*Aloiphina*). **Type locality:** Brazil, Santa Catarina, Nova Teutonia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Woodley (2001).

Material examined: 1♀, Brasil, SP, Salesópolis, Reserva [Estação] Biológica de Boraceia, 23°39'S 45°53'W, Varredura [sweeping], 20-25.xi.2009, Amorim, Ribeiro & Berbert [ZUFG].

Comments: This is the first record of this species for the state of São Paulo.

Genus SARGUS Fabricius, 1798

= *Chrysonotus* Loew, 1855 = *Chrysochroma* Williston, 1896 = *Chrysonotomyia* Hunter, 1900 = *Geosargus* Bezzi, 1907 = *Pedicellina* James, 1952 = *Himantoloba* McFadden, 1970.

Sargus brasiliensis Wiedemann, 1830. **Type locality:** Brazil. **Distribution:** Brazil (Goiás, Rio de Janeiro, São Paulo), Panama. **References:** Woodley (2001); Machado & Fachin (2025).

Material examined: 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'21"S, 45°53'19.7"W, Shannon (trilha) [trail], 11-13.xii.2015, Nihei, Marinho e eq. col. [ZUFG].

Comments: This is the first record of this species for the state of São Paulo.

ACROCERIDAE Leach, 1815
Subfamily PHILOPOTINAE Schiner, 1868
Genus PHILOPOTA Wiedemann, 1830

Philopota histrio Erichson, 1840 (= *P. sobria* Walker, 1852 = *P. temperata* Walker, 1852). **Type locality:** Brazil (Minas Gerais). **Distribution:** Brazil (Espírito Santo, Mato Grosso, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Papavero (1971).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil, xii-1948, M.P. Barretto col. [MZUSP].

Philopota liturata Westwood, 1848 (= *P. ovata* Westwood, 1848). **Type locality:** Brazil. **Distribution:** Bolivia, Brazil (Amazonas, Espírito Santo, Minas Gerais, Pará, Paraná, Rio de Janeiro, São Paulo), Colombia, Suriname, Venezuela. **Reference:** Papavero (1971).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, S.P., 850 m, Rabello col., 30-I-68 [30.i.1968] [MZUSP].

BOMBYLIIDAE Latreille, 1802
Subfamily ANTHRACINAE Latreille, 1804
Tribe ANTHRACINI Latreille, 1804
Genus ANTHRAX Scopoli, 1763

= *Leucamoeba* Sack, 1909 = *Chalcamoeba* Sack, 1909.

Anthrax gideon Fabricius, 1805 (= *Anthrax acroleuca* Wiedemann, 1828 = *Argyroamoeba propinqua* Schiner, 1868). **Type locality:** "America meridionali". **Distribution:** Brazil (Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia, Costa Rica, French Guiana, Guyana, Jamaica, Mexico, Paraguay, Peru, Puerto Rico, Suriname, Venezuela. **Reference:** Arndt & Costa (2001).

Material examined: 1♀, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, II.1949 (MZ000863) [MZUSP]; 1♀, 18.x.1960, K. Lenko col. (MZ000857) [MZUSP]; 1♀, 01.xi.1967, A. Barroso, Trav. F., Ric. Trav. (MZ000862) [MZUSP]; 1♀, 30.i.1968, E. Rabello col. (MZ000864) [MZUSP]; 1♀, 12.ix.1968, E. Rabello col. (MZ000861) [MZUSP]; 1♀, 25.ix.1968, E. Rabello col. (MZ000866) [MZUSP]; 1♀, 20-22.vii.1999, Casari & Ide cols. (MZ000842) [MZUSP].

Anthrax hylaios Marston, 1970. **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Brazil (Mato Grosso, Minas Gerais, Rio de Janeiro, Santa Catarina, São Paulo). **References:** Painter *et al.* (1978); Evenhuis & Greathead (1999); Cunha & Lamas (2004a).

Material examined: 1♂, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 04.iii.2008, G.D. Cordeiro leg. (MZ000903) [MZUSP]; 1♀, 18.iii.2008, G.D. Cordeiro leg. (MZ000901) [MZUSP]; 1 pupal skin, 23.iii.2008, G.D. Cordeiro leg. (MZ000904) [MZUSP]; 1♂, 25.iii.2008, G.D. Cordeiro leg. (MZ000902) [MZUSP].

Tribe EXOPROSOPINI Becker, 1913
Genus HYPERALONIA Rondani, 1863

Hyperalonia morio morio (Fabricius, 1775) (*Stomoxys*). **Type locality:** "Brasilia" [= Brazil or Uruguay]. **Distribution:** Argentina, Brazil (Amazonas, Ceará, Espírito Santo, Goiás, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Rondônia, Santa Catarina, São Paulo), Chile, Paraguay, Uruguay. **References:** Painter & Painter (1968); Evenhuis & Greathead (1999); Cunha & Lamas (2004b).

Material examined: 1♀, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 1♀, 22.ii.1966, E. Rabello col. (MZ002232) [MZUSP].

ASILIDAE Latreille, 1802
Subfamily ASILINAE Latreille, 1802
Genus AMBLYONYCHUS Hermann, 1921

= *Promachina* Bromley, 1934.

Amblyonychus substitulus (Walker, 1851) (*Trupanea*) (= *Trupanea mitescens* Walker, 1851 = *Promachina barbiellinii* Curran, 1935). **Type locality:** "South America". **Distribution:** Brazil (São Paulo), Paraguay. **References:** Carrera (1958); Papavero (2009).

Genus EICHERAX Bigot, 1857

= *Eristicus* Loew, 1848 (preocc. by Wesmael, 1844) = *Neoeristicus* Osten Sacken, 1878.

Eicherax macularis (Wiedemann, 1821) (*Asilus*) (= *Asilus eupator* Walker, 1851). **Type locality:** "Brazil". **Distribution:** Brazil (Bahia, Mato Grosso, Rio de Janeiro, São Paulo), Paraguay, Peru. **References:** Carrera (1958); Papavero (2009).

Genus GLAPHYROPYGA Schiner, 1866

= *Tapinostylus* Enderlein, 1914 = *Opopotes* Hull, 1957.

Glaphyropyga himantocera (Wiedemann, 1828) (*Asilus*). **Type locality:** "Brazil". **Distribution:** Brazil (Bahia, Goiás, Paraná, Rio de Janeiro, São Paulo), Peru. **References:** Vieira *et al.* (2006); Papavero (2009).

Material examined: 1♀, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia – Ativa [sweeping],

23°38'29"S, 45°51'22"W, 05-06.iii.2015, Nihei, Lamas, Chang, Santis col. [MZUSP]. 1♀, same data, except: 21.iv.2012, Gudín, Dias, Dios, Alcántara, Sato & Tamakoshi col. [MZUSP]. 1♀, same data, except: 13.ii.2012, exp. [expedição, expedition] MZUSP [MZUSP].

Glaphyropyga pollinifera Carrera, 1945. **Type locality:** Brazil, São Paulo, São Paulo. **Distribution:** Bolivia, Brazil (Acre, Bahia, Espírito Santo, Pará, Rio de Janeiro, São Paulo, Tocantins), Peru. **Reference:** Montanuci et al. (2023).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, Brasil, 12.ii.1968, N. Papavero col. [MZUSP].

Genus LECANIA Macquart, 1838

Lecania boraceae Carrera, 1958. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Carrera (1958); Papavero (2009).

Genus LEINENDERA Carrera, 1945

Leinendera carrerai Camargo, Vieira & Rafael, 2019. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Camargo et al. (2019).

Leinendera mnrij Camargo, Vieira & Rafael, 2019. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Camargo et al. (2019).

Leinendera rubra Carrera, 1945. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Minas Gerais, Rio de Janeiro, São Paulo). **References:** Carrera (1945a, 1958); Camargo et al. (2019).

Genus MALLOPHORA Macquart, 1838

Mallophora sylveirii Macquart, 1838 (= *M. geniculata* Macquart, 1838 = *M. opposita* Walker, 1851 = *M. contraria* Walker, 1851 = *M. affinis* Schiner, 1868 = *M. scutellaris* Lynch Arribálzaga, 1880 = *M. antica* Curran, 1934 = *M. sexualis* Curran, 1934 = *M. ajax* Curran, 1941). **Type locality:** "Brazil". **Distribution:** Argentina, Bolivia, Brazil (Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Paraguay, Uruguay. **References:** Carrera (1958); Papavero (2009).

Genus THRENIA Schiner, 1866

Threnia carbonaria (Wiedemann, 1828) (*Asilus*). **Type locality:** "Brazil". **Distribution:** Bolivia, Brazil (Rio de Janeiro, São Paulo). **References:** Carrera (1952a; 1958); Papavero (2009).

Subfamily DASYPOGONINAE Macquart, 1838

Genus ARCHILESTRIS Loew, 1874

= *Archilestes* Schiner, 1866 (preocc. by Selys-Longchamps, 1862) = *Pseudarchilestes* Bigot, 1889.

Archilestris capnoptera (Wiedemann, 1828) (*Dasygogon*) (= *Dasygogon albitarsis* Macquart, 1846). **Type locality:** "Brazil". **Distribution:** Brazil (Espírito Santo, Goiás, Mato Grosso, Minas Gerais, Rio de Janeiro, Santa Catarina, São Paulo), Paraguay. **References:** Carrera (1958); Papavero (2009).

Genus LASTAURUS Loew, 1851

= *Morimna* Walker, 1851 = *Lastauropsis* Carrera, 1949.

Lastaurus crassitarsis (Macquart, 1838) (*Dasygogon*) (= *Diogmites atratus* Bigot, 1878). **Type locality:** "Brazil". **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **References:** Carrera (1958); Papavero (2009).

Genus NEODIOGMITES Carrera, 1949

= *Lastauroides* Carrera, 1949 = *Lastaurax* Carrera, 1949.

Neodiogmites alexanderi (Carrera, 1949) (*Lastauroides*). **Type locality:** Brazil, Rio de Janeiro, Angra dos Reis. **Distribution:** Brazil (Espírito Santo, Minas Gerais, Rio de Janeiro, São Paulo). **References:** Carrera, (1949, 1958); Papavero (2009); Alvim et al. (2014).

Neodiogmites niger (Carrera, 1949) (*Lastauroides*) (= *Lastauroides albomarginatus* Carrera, 1949). **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **References:** Carrera (1949); Papavero (2009); Alvim et al. (2014).

Neodiogmites papaveroi Alvim, Ale-Rocha & Bravo, 2014. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Minas Gerais, Rio de Janeiro, São Paulo). **Reference:** Alvim et al. (2014).

Genus SENOBASIS Macquart, 1838

= *Astylium* Rondani, 1850 = *Lochites* Schiner, 1866 = *Lochitomyia* Brèthes, 1925.

Senobasis lanei Carrera, 1949 (= *S. boraceana* Carrera, 1952). **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil: (Minas Gerais, Rio de Janeiro, São Paulo). **References:** Carrera (1949, 1952b, 1958); Papavero (2009).

Senobasis mundata (Wiedemann, 1828) (*Dasygogon*). **Type locality:** "Brazil". **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **References:** Papavero (1975, 2009).

Subfamily LAPHRIINAE Macquart, 1838
Tribe ANDRENOSOMATINI Hull, 1962
Genus PILICA Curran, 1931

Pilica rufipennis (Wiedemann, 1828) (*Laphria*)
(= *Andrenosoma flamipennis* Bromley, 1931). **Type locality:** "Brazil". **Distribution:** Brazil (Amazonas, Minas Gerais, Rio de Janeiro, São Paulo), French Guiana, Guyana, Suriname, Venezuela. **References:** Fisher (1986); Papavero (2009).

Tribe ATOMOSIINI Lynch Arribálzaga, 1882
Genus APHRACTIA Artigas, Papavero & Serra, 1991

Aphractia longicornis (Hermann, 1912) (*Atractia*). **Type locality:** Brazil, Bahia. **Distribution:** Brazil (Bahia, São Paulo). **Reference:** Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, S.P. [São Paulo], 850 m, Rabello col. 30.i.1948. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus CEROTAINIA Schiner, 1866

= *Cyphotomyia* Williston, 1889 = *Protichisma* Hermann, 1912.

Cerotainia brasiliensis Schiner, 1867. **Type locality:** "Brazil". **Distribution:** Brazil (Rio de Janeiro, São Paulo). **References:** Carrera (1958); Papavero (2009); Camargo & Soares (2024).

Genus DISSMERYNGODES Hermann, 1912

= *Centrolaphria* Enderlein, 1914 = *Catomyia* Hull, 1962.

Dissmeryngodes anticus (Wiedemann, 1828) (*Laphria*). **Type locality:** "Brazil". **Distribution:** Brazil (Rio de Janeiro, São Paulo). **References:** Carrera (1958); Papavero (2009).

Genus HYBOZELODES Hermann, 1912

Hybozelodes acuticornis Carrera, 1945. **Type locality:** Brazil, Rio de Janeiro, Mangaratiba. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **References:** Carrera (1945b, 1958); Papavero (2009).

Genus OIDARDIS Hermann, 1912

= *Othoniomyia* Hermann, 1912 = *Othoniomyia*, subg. *Sphagolestes* Hull, 1962 = *Voluptarius* Kaletta, 1978 = *lucundus* Kaletta, 1978.

Oidardis marionii Cezar, Fisher & Lamas, 2013. **Type locality:** Brazil, Paraná, Ponta Grossa, Parque Estadual Vila Velha. **Distribution:** Brazil (Paraná, São Paulo). **Reference:** Cezar *et al.* (2013).

Material examined: 3♂♂, BRASIL: SP, Salesópolis, Reserva [Estação] Biológica [de] Boraceia, 01.xii.2008, G.F.G. Miranda [MZUSP].

Oidardis triangularis (Hermann, 1912) (*Othoniomyia*). **Type locality:** Brazil, Santa Catarina, Blumenau. **Distribution:** Brazil (Espírito Santo, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **References:** Carrera (1958); Papavero (2009); Cezar *et al.* (2013).

Tribe LAPHRIINI Macquart, 1838
Genus LAMPRIA Macquart, 1838

= *Lampria*, subg. *Brychomyia* Hull, 1962.

Lampria scapularis Bigot, 1878. **Type locality:** Brazil, Pará. **Distribution:** Brazil (Pará, Santa Catarina, São Paulo). **References:** Carrera (1958); Papavero (2009).

Genus RHOPALOGASTER Macquart, 1834

Rhopalogaster lineata Hermann, 1912. **Type locality:** Brazil, Rio Grande do Sul; Minas Gerais, Mar de Espanha; Bolívia, Yungas de Coroico, 1,800 m. **Distribution:** Bolívia; Brazil (Minas Gerais, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Papavero (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, S.P. [São Paulo], 19.i.1972, J.H. Guimarães col. [MZUSP]. 1♀, BRASIL, SP, Salesópolis, Res. [Estação] Biológica [de] Boraceia, Sweeping, 23°39'05"S, 45°53'51"W, 01-04.xii.2008, Amorim, Falaschi & Miranda [MZUSP].

Tribe LAPHYSTIINI Hendel, 1936
Genus APOXYRIA Schiner, 1866

Apoxyria hirtuosa (Wiedemann, 1821) (*Dasypogon*). **Type locality:** "Brazil". **Distribution:** Brazil (Rio de Janeiro; São Paulo). **References:** Carrera (1949, 1958); Papavero (2009); Alvim *et al.* (2011).

Subfamily LEPTOGASTRINAE Schiner, 1862
Genus LEPTOGASTER Meigen, 1803

= *Gonypes* Latreille, 1805.

Leptogaster titanus Carrera, 1958. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **References:** Carrera (1958); Papavero (2009).

Subfamily OMMATIINAE Hardy, 1927
Genus OMMATIUS Wiedemann, 1821

Ommatius complanatus Scarbrough, 1993. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo). **References:** Papavero (2009); Vieira (2015).

Ommatius orenoquensis Bigot, 1876 (= *O. infractus* Scarbrough, 1985). **Type locality:** "Guyana". **Distribution:** Costa Rica and St. Vincent Island, South America except Uruguay and Chile. **Reference:** Papavero (2009).

Comments: Carrera (1958) reported *Ommatius marginellus* (Fabricius, 1781) from Boraceia. Scarbrough (1984) examined the holotype of *O. marginellus* and restricted its distribution to the Virgin Islands (Saint Croix, Saint Thomas and Saint John) and Puerto Rico, stating that most specimens identified as *O. marginellus* in museums were misidentified (see Scarbrough, 1984: 619, for details). Vieira (2009: 94) also commented on this matter, noting that specimens of *O. orenoquensis* deposited in Brazilian museums had been misidentified as *O. marginellus*.

Ommatius pulcher (Engel, 1885) (*Emphysomera*) (= *O. ruficaudus* Curran, 1928). **Type locality:** Brazil, Minas Gerais, São João del Rei [Sello]. **Distribution:** Brazil (Alagoas, Bahia, Distrito Federal, Goiás, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Pará, Paraná, Rio de Janeiro, Rondônia, Santa Catarina, São Paulo, Tocantins), Paraguay. **References:** Papavero (2009); Lima *et al.* (2017); Montanuci *et al.* (2023).

Subfamily STENOPOGONINAE Hull, 1962
Genus ARCHILESTROIDES Artigas & Papavero, 1991

Archilestroides guimaraesi Artigas & Papavero, 1991. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Papavero (2009).

Genus PLESIOMMA Macquart, 1838

= *Dolichodes* Macquart, 1838 = *Plesiomma*, subg. *Boropis* Hull, 1962.

Plesiomma caedens (Wiedemann, 1828) (*Dasyopogon*) (= *P. testaceum* Macquart, 1838). **Type locality:** "Brazil". **Distribution:** Brazil (São Paulo), Paraguay. **Reference:** Papavero (2009).

Material examined: 1♀, BRASIL: SP: Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Varredura [sweeping], 20-25.xi.2009, Amorim, Ribeiro & Berbert [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Plesiomma fuliginosum (Wiedemann, 1821) (*Dasyopogon*) (= *Dasyopogon caminarius* Wiedemann, 1828 = *Plesiomma nigrum* Macquart, 1838). **Type locality:** "Brazil". **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Papavero (2009).

Material examined: 1♂, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia – Ativa [sweeping], 23°38'29"S, 45°51'22"W, 05-06.iii.2015, Nihei, Lamas, Chang, Santis col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus TILLOBROMA Hull, 1962

= *Clavator* Philippi, 1865 (preocc. by Martens, 1860).

Tillobroma fulvicornis (Macquart, 1846) (*Dasyopogon*). **Type locality:** "Brazil". **Distribution:** Argentina, Bolivia, Brazil (Rio de Janeiro, Santa Catarina, São Paulo), Peru. **References:** Artigas *et al.* (2005); Papavero (2009).

Subfamily TRIGONOMIMINAE Enderlein, 1914
Genus HOLCOCEPHALA Jaenicke, 1867

= *Discocephala* Macquart, 1838 (preocc. by Laporte, 1832) = *Arthriticopus* Enderlein, 1914.

Holcocephala coriacea (Wiedemann, 1821) (*Dasyopogon*) (= *H. femorata* Hermann, 1926). **Type locality:** "Brazil". **Distribution:** Brazil (Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **References:** Carrera (1958); Papavero (2009).

Holcocephala curvicosta Carrera, 1958. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Carrera (1958); Papavero (2009).

Holcocephala nigrita (Fabricius, 1805) (*Dioctria*) (= *Discocephala alboatra* Walker, 1851). **Type locality:** "South America". **Distribution:** Brazil (São Paulo). **References:** Carrera (1958); Papavero (2009).

Holcocephala obscuripennis Enderlein, 1914. **Type locality:** Brazil, Santa Catarina. **Distribution:** Brazil (São Paulo, Santa Catarina). **References:** Carrera (1958); Papavero (2009).

Holcocephala oculata (Fabricius, 1805) (*Dioctria*) (= *Discocephala minuta* Bellardi, 1861 = *H. fasciventris* Hermann, 1926, as *H. oculata* var.). **Type locality:** "South America". **Distribution:** Argentina, Bolivia, Brazil (Bahia, Rio de Janeiro, São Paulo), Guyana, Peru, Venezuela. **References:** Carrera (1958); Carrera & Vulcano (1961); Vieira *et al.* (2006); Papavero (2009).

EMPIDIDAE Latreille, 1804

Subfamily EMPIDINAE Latreille, 1804

Tribe EMPIDINI Latreille, 1804

Genus LAMPREMPIS Wheeler & Melander, 1901

Lamprempis boracea Smith, 1962. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Yang *et al.* (2007).

Subfamily HEMERODROMIINAE Schiner, 1862

Genus NEOPLASTA Coquillett, 1895

Neoplasta longicornis Câmara & Rafael, 2016. **Type locality:** Brazil, São Paulo, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Câmara & Rafael (2016).

HYBOTIDAE Meigen, 1820

Subfamily HYBOTINAE Meigen, 1820

Genus EUHYBUS Coquillett, 1895

Euhybus dimidiatus (Walker, 1852) (= *Hybos dimidiatus* Walker, 1852 = *Hybos latipennis* Bezzi, 1909 = *Euhybus smarti* Smith, 1963). **Type locality:** Brazil. **Distribution:** Argentina, Bolivia, Brazil, Guyana, Peru. **Reference:** Yang *et al.* (2007).

Euhybus fuscipennis Ale-Rocha, 2004. **Type locality:** Brazil, São Paulo, Estação Biológica Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Ale-Rocha (2004).

Euhybus piceus (Wiedemann, 1830) (= *Hybos piceus* Wiedemann, 1830 = *Hybos integer* Walker, 1852). **Type locality:** Brazil, Minas Gerais. **Distribution:** Brazil (Minas Gerais, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Ale-Rocha (2004).

Genus HYBOS Meigen, 1803

= *Neoza* Meigen, 1800 [suppressed by ICZN (1963)]
= *Pseudosyneches* Frey, 1953.

Hybos fuscus Ale-Rocha, 2001. **Type locality:** Brazil: Paraná and São Paulo. **Distribution:** Brazil (Paraná, São Paulo). **Reference:** Yang *et al.* (2007).

Hybos torosus Ale-Rocha, 2001. **Type locality:** Brazil: Espírito Santo, Paraná, Santa Catarina and São Paulo. **Distribution:** Brazil (Espírito Santo, Paraná, Santa Catarina, São Paulo). **Reference:** Yang *et al.* (2007).

Subfamily OCYDROMIINAE Schiner, 1862

Genus LEPTOPEZELLA Sinclair & Cumming, 2007

Leptopezella masneri Sinclair & Cumming, 2007. **Type locality:** Bolivia, La Paz, Chulumani. **Distribution:** Bolivia,

Brazil (Espírito Santo, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Barros *et al.* (2019).

Genus OROPEZELLA Collin, 1926

Oropezella pseudotetraocellata Ale-Rocha, 2001. **Type locality:** Brazil, São Paulo. **Distribution:** Brazil (Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Ale-Rocha (2001).

Genus SYNECHES Walker, 1852

Syneches digitatus Soares, Freitas-Silva & Ale-Rocha, 2021. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Soares *et al.* (2021).

Syneches striatus Menezes & Ale-Rocha, 2016. **Type locality:** Brazil, Amazonas, Querari. **Distribution:** Brazil (Amapá, Amazonas, Espírito Santo, Goiás, Maranhão, Mato Grosso, Pará, Paraná, Rondônia, Santa Catarina, São Paulo). **Reference:** Soares *et al.* (2021).

Subfamily TACHYDROMIINAE Meigen, 1822

Genus AUSTRODROMIA Collin, 1933

Austrodromia polychaeta Smith, 1963. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Yang *et al.* (2007).

Genus ELAPHROPEZA Macquart, 1827

= *Ctenodrapetis* Bezzi, 1904.

Elaphropeza univittata (Smith, 1962) (= *Drapetis univittata* Smith, 1962). **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Yang *et al.* (2007).

BRACHYSTOMATIDAE Melander, 1908

Subfamily TRICHOPEZINAE Vaillant, 1981

Genus APALOCNEMIS Philippi, 1865

= *Timalphes* Melander, 1928.

Apalocnemis philippii Smith, 1962. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Yang *et al.* (2007).

Apalocnemis salesopolis Smith, 1962. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Yang *et al.* (2007).

DOLICHOPODIDAE Latreille, 1809
Subfamily DIAPHORINAE Schiner, 1864
Genus CHRYSOTUS Meigen, 1824

Chrysotus brevicornis Van Duzee, 1933 (= *C. brevispina* Van Duzee, 1933 = *C. mexicanus* Robinson, 1967 = *C. latifacies* Van Duzee, 1933). **Type locality:** Ecuador, Galápagos. **Distribution:** Mexico, Ecuador, Brazil (Pernambuco, São Paulo). **References:** Yang *et al.* (2006); Rafael *et al.* (2020).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis – S.P., Brasil – iv.1962, N. Papavero col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus SYMBOLIA Becker, 1921

= *Eutarsus* Aldrich, 1896.

Symbolia hirticauda Robinson, 1966. **Type locality:** Costa Rica, La Suize de Turrialba. **Distribution:** Brazil (São Paulo), Costa Rica. **Reference:** Yang *et al.* (2006).

Material examined: 1♂, 2♀♀, BR-S.P.: Salesópolis, [Estação Biológica de] Boraceia 15.xii.1947, E. Rabello col. [MZUSP]. 1♀, same data, except 14.viii.1948, E. Rabello & Trav. F. [MZUSP]. 1♂, same data, except 10-14.xi.1947, L. Trav. Filho & G. Ramalho & E. Rabello col. [MZUSP]. 1♀, Salesópolis, S. Paulo, [Estação Biológica de] (Boraceia), 850 M. ALT., Trav., Trav. Filho & Rabello col., 15-I-950 [15.i.1950] [MZUSP]. 1♂, 1♀, S. [São] Paulo, [Estação Biológica de] Boraceia, L.T.F. & E. Rab., XI-948 [xi.1948] [male's label from "X-48"] [MZUSP].

Comments: This is the first record of this species for Brazil.

Subfamily DOLICHOPODINAE Latreille, 1809
Genus PARACLIUS Loew, 1864

= *Leptocorypha* Aldrich, 1896.

Paraclius americanus (Schiner, 1868) (= *Sybstroma americana* Schiner, 1868 = *Tachytrechus americanus* Robinson, 1970 = *Paraclius diplacocerus* Capellari, 2013). **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Brazil (Minas Gerais, Rio de Janeiro, São Paulo). **Reference:** Soares *et al.* (2023).

Subfamily SCIAPODINAE Becker, 1917
Genus CONDYLOSTYLUS Bigot, 1859

= *Dasypsilopus* Bigot, 1859 = *Eurostomerus* Bigot, 1859 = *Oedipsilopus* Bigot, 1859 = *Tylochaetus* Bigot, 1888 = *Laxina* Curran, 1934.

Condylostylus caesar Becker, 1922 (= *Psilopus basilaris* Aldrich, 1901, *nec* Wiedemann, 1830). **Type locality:** Bolivia, Mapiiri; Peru, Chanchamayo. **Distribution:** Mexico, Bolivia, Peru, Brazil (São Paulo). **Reference:** Yang *et al.* (2006).

Material examined: 1♀, Salesópolis, S. [São] Paulo, [Estação Biológica de] (Boraceia), 350 M. ALT., Trav., Trav. Filho & Rabello col., 22-9-949 [22.ix.1949] [MZUSP].

Comments: This is the first record of this species for Brazil.

Condylostylus flagellatus Becker, 1922. **Type locality:** Peru, Urubamba. **Distribution:** Peru, Brazil (Mato Grosso, Rio de Janeiro, São Paulo). **Reference:** Milward-de-Azevedo (1980).

PHORIDAE Curtis, 1833

Subfamily METOPININAE Rondani, 1856
Genus ACONTISTOPTERA Brues, 1902

Acontistoptera brasiliensis Schmitz, 1914 (= *Acontistoptera ecitonis* Borgmeier, 1924). **Type locality:** Brazil, Santa Catarina, Joinville. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** PCAT (2024).

Genus CERATOCONUS Borgmeier, 1928

Ceratoconus setipennis Borgmeier, 1928. **Type locality:** Brazil, Paraná, Rio Negro. **Distribution:** Brazil (Paraná, São Paulo). **Reference:** Brown *et al.* (2017).

Comments: At Estação Biológica de Boraceia, Brown *et al.* (2017) recorded *C. setipennis* attacking workers of the *Linepithema humile* (Mayr, 1868) species-group and ovipositing directly onto the brood in their nest.

Genus GYMNOPHORA Macquart, 1835

Gymnophora brasiliensis Borgmeier, 1960. **Type locality:** Brazil, Rio de Janeiro, Petrópolis. **Distribution:** Brazil (Rio de Janeiro, Paraná, Santa Catarina, São Paulo). **Reference:** Brown (1987).

Genus JOHOWIA Silva Figueroa, 1916

Johowia ciliata Borgmeier, 1960. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Borgmeier (1960).

Genus MELALONCHA Brues, 1904

= *Melanoloncha* Becker *et al.*, 1907 = *Udamochiras* Enderlein, 1912.

Melaloncha (Melaloncha) peacockorum Brown, 2016.

Type locality: Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo).

Reference: Brown (2016).

Subfamily PHORINAE Curtis, 1833

Genus CONICEROMYIA Borgmeier, 1923

Coniceromyia basalis Borgmeier, 1950. **Type**

locality: Brazil, Santa Catarina, Seara, Nova Teutônia.

Distribution: Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Ament & Amorim (2016).

SYRPHIDAE Latreille, 1802

Subfamily ERISTALINAE Rondani, 1857

Genus COPESTYLUM Macquart, 1846

Copestylum meretricias (Williston, 1888) (*Volucella*).

Type locality: Brazil, Mato Grosso, Chapada.

Distribution: Argentina, Brazil (Amazonas, Bahia, Mato Grosso, Rio de Janeiro, Roraima, Santa Catarina, São Paulo). **Reference:** Thompson *et al.* (1976).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis – S.P., Brasil – iv.1962, N. Papavero col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus LEJOPS Rondani, 1857

Lejops barbiellinii (Ceresa, 1934) (*Quichuana*). **Type**

locality: Brazil, São Paulo, São Sebastião. **Distribution:**

Brazil (Bahia, Espírito Santo, Minas Gerais, Paraná, Pernambuco, Rio de Janeiro, Santa Catarina, São Paulo).

References: Morales & Marinoni (2008); Cordeiro *et al.* (2024).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil, M.P. Barretto col. i.1949 [MZUSP].

Genus MEROMACRUS Rondani, 1848

Meromacrus niger Sack, 1920. **Type locality:** Bolivia; Paraguay, St. Trinidad. **Distribution:** Argentina, Bolivia, Brazil

(Amazonas, Espírito Santo, Mato Grosso, Minas Gerais, Paraná, Rio Grande do Sul, Santa Catarina, São Paulo), Guyana, Paraguay. **References:** Hull (1942), Thompson *et al.* (1976), Blatch *et al.* (2003).

Material examined: 1♀, BR-SP: Salesópolis [Estação Biológica de] (Boraceia), E. Rabello & Trav. F. & E. Denie col., 22.vii.1947 [MZUSP].

Genus ORNIDIA Lepeltier & Serville, 1828

Ornidia obesa (Fabricius, 1775) (*Syrphus*). **Type locality:** “America” [West Indies, Virgin Is., St. Croix]. **Distribution:** USA to southern South America. **References:** Thompson (1991); Carvalho-Filho & Esposito (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis – São Paulo, Brasil, Exp. Dep. Zool. [Expedição Departamento de Zoologia, Department of Zoology Expedition] col., viii.1966 [MZUSP].

Ornidia major Curran, 1930. **Type locality:** Brazil. **Distribution:** Mexico to Southern Brazil (Rio Grande do Sul, Santa Catarina, São Paulo). **References:** Thompson (1991); Carvalho-Filho & Esposito (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, S.P., 850 m., Rabello col., 18.ii.1964 [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus PALPADA Macquart, 1834

Palpada conica (Fabricius, 1805) (*Milesia*). **Type locality:** “America Meridionali”. **Distribution:** Guatemala to Southern Brazil (Amapá, Bahia, Distrito Federal, Espírito Santo, Mato Grosso, Minas Gerais, Pará, Paraná, Rio de Janeiro, Roraima, Santa Catarina, São Paulo). **Reference:** Morales & Marinoni (2009).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP., 850 m., J. Oliveira Santos col., 09.ii.1968 [MZUSP]; 1 undetermined sex, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Palpada geniculata (Fabricius, 1805) (*Milesia*). **Type locality:** “America Meridionali”. **Distribution:** Suriname to Brazil (Amazonas, Bahia, Distrito Federal, Espírito Santo, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, Rondônia, Santa Catarina, São Paulo). **References:** Thompson *et al.* (1976); Morales & Marinoni (2009).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP., 850 m., Rabello col., 15.xii.1966 [MZUSP].

Palpada melnaspis (Wiedemann, 1830) (*Eristalis*). **Type locality:** Brazil. **Distribution:** Venezuela to Argentina and Southern Brazil. **Reference:** Morales & Marinoni (2009).

Material examined: 1♂, S. Paulo, [Estação Biológica de] Boraceia, L. Trav. F. & E. Rab. col., iii.1949 [MZUSP].

Palpada ochracea (Williston, 1888) (*Eristalis*). **Type locality:** Brazil, Mato Grosso, Chapada. **Distribution:** Mexico to Brazil (Amazonas, Mato Grosso, Paraná, São Paulo). **References:** Thompson *et al.* (1976); Morales & Marinoni (2009).

Material examined: 1♀, Brasil: SP: Salesópolis, Reserva [Estação] Biológica [de] Boraceia, 23°39'22.9"S, 45°53'48.1"W, Trilha do Divisor, 18-28.iv.2003, Malaise, A.P. Aguiar & F.M. Rodrigues col. [MZUSP].

Palpada rufoscutellata (Sack, 1921) (*Eristalis*). **Type locality:** Paraguay, St. Trinidad. **Distribution:** Argentina, Brazil (Mato Grosso, Minas Gerais, Paraná, Rio Grande do Sul, Santa Catarina, São Paulo), Paraguay. **Reference:** Morales & Marinoni (2009).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, S.P., 850 m., Rabello col., 19.xi.1965 [MZUSP].

Palpada vierecki (Curran, 1930) (*Eristalis*). **Type locality:** Colombia, Vista Nieve. **Distribution:** Colombia to Southeastern Brazil (São Paulo). **Reference:** Thompson *et al.* (1976).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis – S.P., Brasil, iv.1962, N. Papavero col. [MZUSP].

Comments: This is the first record of the species for Brazil.

Genus RHINGIA Scopoli, 1763

Rhingia nigra Macquart, 1846. **Type locality:** "Colombia" **Distribution:** Mexico to Southern Brazil (Rio de Janeiro, São Paulo). **Reference:** Thompson *et al.* (1976).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, São Paulo – Brasil, K. Lenko col., 11.xi.1960 [11.xi.1960] [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Subfamily MICRODONTINAE Rondani, 1845

Genus ARISTOSYRPHUS Curran, 1941

Subgenus ARISTOSYRPHUS Curran, 1941

Aristosyrphus (Aristosyrphus) boraceiensis (Papavero, 1962) (*Ceratophya*) (= *Argentinomyia (Argentinomyia)*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Papavero (1962).

Genus PARAMICRODON de Meijere, 1913

Paramicrodon flukei Curran, 1936. **Type locality:** Brazil, Rio de Janeiro, Petrópolis. **Distribution:** Brazil (Rio de

Janeiro, Santa Catarina, São Paulo), Peru. **References:** Thompson *et al.* (1976); Reemer & Ståhls (2013).

Material examined: 1♂, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Comments: This is the first record of this species for the state of São Paulo.

Genus SCHIZOCERATOMYIA

Carrera, Lopes & Lane, 1947

Schizoceratomyia carrerai (Papavero, 1962) (*Masarygus*) (= *Microdon (Masarygus)*). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Papavero (1962).

Material examined: 2♂♂, 1♀, Est. S. [Estado de São] Paulo, [Estação Biológica de] Boraceia, Barreto col., i.49 [i.1949] [MZUSP].

Subfamily SYRPHINAE Latreille, 1802

Genus ALLOGRAPTA Osten Sacken, 1875

Allograpta falcata Fluke, 1942. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Acre, Alagoas, Amapá, Amazonas, Bahia, Ceará, Distrito Federal, Espírito Santo, Goiás, Maranhão, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Pará, Paraíba, Paraná, Pernambuco, Piauí, Rio de Janeiro, Rio Grande do Norte, Rio Grande do Sul, Rondônia, Roraima, Santa Catarina, São Paulo, Sergipe, Tocantins), Colombia, Ecuador, Peru, Venezuela. **References:** Thompson *et al.* (1976); Mengual *et al.* (2009); Morales & Marinoni (2025).

Material examined: 3 undetermined sex, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Allograpta neotropica Curran, 1936. **Type locality:** Colombia, Popayan. **Distribution:** Argentina, Brazil (Amazonas, Bahia, Espírito Santo, Goiás, Maranhão, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Pará, Paraná, Rio de Janeiro, Rio Grande do Norte, Rio Grande do Sul, Roraima, Santa Catarina, São Paulo), Colombia. **References:** Thompson *et al.* (1976); Mengual *et al.* (2009); Morales & Marinoni (2025).

Material examined: 2♀♀, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Genus ARGENTINOMYIA Lynch-Arribáizaga, 1891

Argentinomyia currani (Fluke, 1937) (*Rhysops*). **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia.

Distribution: Brazil (Paraná, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Montoya & Wolff (2023).

Material examined: 1 undetermined sex, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Argentinomyia maculata (Walker, 1852) (*Paragus*). **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Argentina, Brazil (Paraná, Santa Catarina, São Paulo). **Reference:** Montoya & Wolff (2023).

Material examined: 1♀, Salesópolis, S. [São] Paulo, [Estação Biológica de] (Boraceia), E. Rabello & Trav. F. & J. Lane col., 14.viii.1947 [MZUSP]; 1♂, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, E. Rabello & Trav. F. & J. Lane cols, 14.viii.1947 [CNC].

Comments: This is the first record of this species for the state of São Paulo.

Argentinomyia nigrans (Fluke, 1945) (*Rhysops*). **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Argentina, Brazil (Minas Gerais, Paraná, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia. **Reference:** Montoya & Wolff (2023).

Material examined: 5 undetermined sex, 3♀♀, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Argentinomyia testaceipes Lynch-Arribáizaga, 1891. **Type locality:** Argentina, Prov. Buenos Aires, Chacabuco. **Distribution:** Argentina, Brazil (Paraná, São Paulo), Peru. **Reference:** Montoya & Wolff (2023).

Material examined: 1 undetermined sex, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Genus DIOPROSOPA Hull, 1949

Dioprosopa clavata (Fabricius, 1794) (*Syrphus*). **Type locality:** "Americae Meridionalis Insulis". **Distribution:** Southern Canada to Brazil (Acre, Alagoas, Amapá, Amazonas, Bahia, Ceará, Distrito Federal, Espírito Santo, Goiás, Maranhão, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Pará, Paraíba, Paraná, Pernambuco, Piauí, Rio de Janeiro, Rio Grande do Norte, Rio Grande do Sul, Rondônia, Roraima, Santa Catarina, São Paulo, Sergipe, Tocantins). **References:** Hull (1949); Thompson *et al.* (1976).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, São Paulo – Brasil, K. Lenko col.,

18.x.[1]960 [MZUSP]; 3♀♀, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Genus FAZIA Shannon, 1927

Fazia strigifacies Enderlein, 1938. **Type locality:** Brazil. **Distribution:** Brazil (São Paulo). **Reference:** Mengual *et al.* (2009).

Material examined: 4 undetermined sex, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Comments: This is the first record of this species for the state of São Paulo.

Genus NUNTIANUS Miranda, 2020

Nuntianus debasa (Curran, 1941) (*Baccha*). **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Miranda *et al.* (2020).

Material examined: 1 undetermined sex, Brazil, São Paulo, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Nuntianus obliquus (Curran, 1941) (*Callostigma*). **Type locality:** Panama, Canal Zone, Chiva Chiva trail. **Distribution:** Panama to Brazil (Amazonas, Distrito Federal, Goiás, São Paulo). **Reference:** Miranda *et al.* (2020).

Material examined: 1♀, BRAZIL: São Paulo: Estação Biológica de Boraceia, 23°39.211'S, 45°53.398'W, ~850 m, 01.xii.2008, trail, next to Bromeliaceae, G.F.G. Miranda col. [MZUSP].

Genus OCYPTAMUS Macquart, 1834

Ocyptamus antiphates (Walker, 1849) (*Syrphus*). **Type locality:** Jamaica. **Distribution:** Widespread in the Neotropical region. **References:** Thompson *et al.* (1976); Miranda (2017); Miranda *et al.* (2020).

Material examined: 4♀♀, Brazil, São Paulo, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Ocyptamus funebris Macquart, 1834. **Type locality:** "Brazil". **Distribution:** Southern USA to Brazil (Minas Gerais, Paraná, Santa Catarina, São Paulo). **References:** Thompson *et al.* (1976); Miranda (2017); Miranda *et al.* (2020).

Material examined: 1♂, BRAZIL, São Paulo, Estação Biológica de Boraceia, 23°39.174'S, 45°53.428'W, ~850 m, 01.xii.2008, over a Piperaceae, G.F.G. Miranda col. [MZUSP]. 1♂, Brazil, São Paulo, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Genus PELECINOBACCHA Shannon, 1927

Pelecinobaccha alicia (Curran, 1941) (*Baccha*). **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Miranda *et al.* (2014).

Material examined: 1♂, 1♀, BRAZIL: São Paulo: Estação Biológica de Boraceia, 23°39.240'S, 45°53.384'W, ~850 m, 01.xii.2008, G.F.G. Miranda col. [MZUSP].

Genus SALPINGOGASTER Schiner, 1868

Salpingogaster nigra Schiner, 1868. **Type locality:** "South America". **Distribution:** Mexico to southern Brazil (São Paulo). **Reference:** Thompson *et al.* (1976).

Material examined: 1♂, [Estação Biológica de] Boraceia, Barreto col., iii.1949 [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus TOXOMERUS Macquart, 1855

Toxomerus basalis (Walker, 1837) (*Syrphus*). **Type locality:** "Brazil". **Distribution:** Southeastern Brazil. **Reference:** Borges & Couri (2009).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, Brasil, N. Papavero col., 02.iv.1968 [MZUSP]. 5 undetermined sex, 8♂♂, 2♀♀, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Toxomerus dispar (Fabricius, 1794) (*Syrphus*). **Type locality:** "Americae Meridionalis". **Distribution:** USA to southern South America. **References:** Thompson (1981); Borges & Couri (2009).

Material examined: 1♂, [Estação Biológica de] Boraceia, Travassos P, Braz, Rabello & Bohermann col., 06-11.iii.1948 [MZUSP].

Toxomerus duplicatus (Wiedemann, 1830) (*Syrphus*). **Type locality:** Uruguay, Montevideo. **Distribution:** Mexico to southern South America. **Reference:** Borges & Couri (2009).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil, N. Papavero col. iii.1969 [MZUSP]. 3 undetermined sex, 4♂♂, 1♀, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Toxomerus lacrymosus (Bigot, 1884) (*Mesograptus*). **Type locality:** Brazil. **Distribution:** Widespread in the Neotropical Region. **Reference:** Borges & Couri (2009).

Material examined: 3 undetermined sex, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Toxomerus laenas (Walker, 1852) (*Syrphus*). **Type locality:** Brazil. **Distribution:** Venezuela to Southern Brazil (São Paulo). **References:** Borges & Couri (2009); Mengual (2011).

Material examined: 1♂, [Estação Biológica de] Boraceia, Travassos P, Braz, Rabello & Bohermann col., 06-11.iii.1948 [MZUSP]. 1♀, Salesópolis, S. Paulo, [Estação Biológica de] (Boraceia), E. Rabello & Trav. F. & J. Lane col., 14.viii.1947 [MZUSP]. 5♂♂, 2♀♀, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Comments: This is the first record of this species for the state of São Paulo.

Toxomerus paraduplicatus Borges & Couri, 2009. **Type locality:** Brazil, São Paulo, Salesópolis. **Distribution:** Brazil (São Paulo). **Reference:** Borges & Couri (2009).

Material examined: 6 undetermined sex, 22♂♂, 12♀♀, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Toxomerus pictus (Macquart, 1842) (*Syrphus*). **Type locality:** "Guyane". **Distribution:** Mexico to southern South America. **References:** Thompson (1981); Borges & Couri (2009).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil, N. Papavero col. iii.1969 [MZUSP]. 1♂, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Toxomerus politus (Say, 1823) (*Scaeva*). **Type locality:** USA. **Distribution:** Southern Canada to southern South America. **References:** Thompson (1981); Borges & Couri (2009).

Material examined: 1♀, BR-SP: Salesópolis, [estação Biológica de] Boraceia, L.T.F., Carrera, Vanzolini, Oitic-

ca, Pearson col., 24-30.i.1952 [MZUSP]. 1 undetermined sex, 1♀, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Toxomerus sylvaticus (Hull, 1943) (*Mesogramma*). **Type locality:** Ecuador, Sucua, Rio Upano. **Distribution:** Brazil (Paraná, São Paulo, Rio de Janeiro), Colombia, Ecuador. **Reference:** Borges & Couri (2009).

Material examined: 3 undetermined sex, 3♀♀, Brazil, São Paulo, Estação Biológica de Boraceia, Salesópolis, 23°29'0"S 45°44'0"W, J.W. Boyes & J.H. Guimarães cols., 14-19.x.1970 [CNC].

Toxomerus tibicen (Wiedemann, 1830) (*Syrphus*). **Type locality:** Brazil. **Distribution:** South America. **References:** Metz & Thompson (2001); Borges & Couri (2009).

Material examined: 1♀, S. [São] Paulo, [Estação Biológica de] Boraceia, J. Lane col., viii.42 [viii.1942] [MZUSP].

Toxomerus virgulatus (Macquart, 1850) (*Syrphus*). **Type locality:** "Patrie inconnue, probablement le Brésil". **Distribution:** Mexico to Brazil (Amazonas, Bahia, Distrito Federal, Espírito Santo, Goiás, Maranhão, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Pará, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Roraima, Santa Catarina, São Paulo). **References:** Thompson et al. (1976); Borges & Couri (2009).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil, N. Papavero col. iii.1969 [MZUSP].

Genus XANTHANDRUS Verrall, 1901

Xanthandrus bucephalus (Wiedemann, 1830) (*Syrphus*). **Type locality:** "Brazil". **Distribution:** Bolivia, Brazil (Amazonas, Goiás, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Peru. **References:** Thompson et al. (1976); Borges & Pamplona (2003).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, S.P., 850 m, Barreto col. iii.1949 [MZUSP].

PIPUNCULIDAE Walker, 1834

Subfamily PIPUNCULINAE Walker, 1834

Tribe MICROCEPHALOPSINI Aczel, 1940

Genus MICROCEPHALOPS De Meyer, 1989

Microcephalops williamsi (Hardy, 1954) (= *Dorilas (Dorilas) williamsi* Hardy, 1954). **Type locality:** Brazil, Rio de Janeiro, Rezende. **Distribution:** Colombia, Dominica, Dominican Republic, Costa Rica, Peru, Brazil (Minas

Gerais, Paraná, Rio de Janeiro, São Paulo, Santa Catarina). **References:** De Meyer (1996); Rafael & Menezes (1999); Rodriguez & Rafael (2012); Ramos-Pastrana et al. (2023).

Tribe PIPUNCULINI Walker, 1834

Genus CEPHALOPS Fallén, 1810

= *Wittella* Hardy, 1950.

Subgenus CEPHALOPS Fallén, 1810

Cephalops (Cephalops) brasiliensis (Hardy, 1950) (= *Dorilas (Dorilas) brasiliensis* Hardy, 1950 = *Dorilas brasiliensis* Aczél, 1952 = *Pipunculus (Pipunculus) brasiliensis* Hardy, 1966). **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Rafael (1990); De Meyer (1996).

Tribe TOMOSVARYELLINI Hardy, 1943

Genus ALLOMETHUS Hardy, 1954

Allomethus rotundicornis (Hardy, 1954) (= *Dorilas (Eudorylas) rotundicornis* Hardy, 1954). **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo, Santa Catarina). **References:** Hardy (1954); Rodriguez & Rafael (2012); Marques & Rafael (2024).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil ix.1948, M.P. Barreto col., det. J.A. Rafael, 1985 [MZUSP].

Genus CLISTOABDOMINALIS Skevington, 2001

Clistoabdominalis spinitibialis (Hardy, 1954) (= *Dorylas (Eudorylas) spinitibialis* Hardy, 1954 = *Dorilas (Eudorylas) ventosus* Hardy, 1954 = *Pipunculus (Eudorylas) spinitibialis* Hardy, 1965 = *Pipunculus (Eudorylas) ventosus* Hardy, 1965 = *Eudorylas spinitibialis* Rafael, 1995). **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Argentina, Bolivia, Colombia, Brazil (Amazonas, Bahia, Mato Grosso, Paraná, Rio de Janeiro, São Paulo, Santa Catarina). **References:** Rafael (1995); De Meyer (1996); Ramos-Pastrana et al. (2023).

Genus EUDORYLAS Aczél, 1940

= *Metadorylas* Rafael, 1987 = *Neodorylas* Kuznetsov, 1995.

Eudorylas similis (Hardy, 1950) (= *Dorilas (Eudorylas) similis* Hardy, 1950). **Type locality:** Brazil, São Paulo, Pe-ruíbe. **Distribution:** Brazil (Amazonas, Pará, Paraná, São

Paulo). **References:** Rafael (1995); Marques & Rafael (2024).

MICROPEZIDAE Blanchard, 1840
Subfamily TAENIAPTERINAE Cresson, 1930
Genus CARDIACEPHALA Macquart, 1843

= *Plocoscelus* Enderlein, 1922 = *Rhoecius* Enderlein, 1922.

Cardiacephala camptomera (Bigot, 1886) (*Calobata*) (= *Plocoscelus nitidus* Hennig, 1935). **Type locality:** Brazil. **Distribution:** Brazil (Paraná, Rio de Janeiro, Rondônia, São Paulo). **Reference:** Ferro & Marshall (2018).

Material examined: 1♂, Brazil, São Paulo, [Estação Biológica de] Boraceia, viii.947 [viii.1947], Coll: J. Lane. 1♂, BR-SP: Salesópolis, [Estação Biológica de] Boraceia 24-30.i.1952, L.T.F., Carrera, Vanzolini, Oiticica, Pearson/*Plocoscelus nitidus*, Hennig, 1935, (macho e fêmea) [male and female], det. L. Albuquerque [MZUSP].

Cardiacephala spinosa Ferro & Marshall, 2018. **Type locality:** Brazil, São Paulo, Boraceia, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Ferro & Marshall (2018).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil, iii.1969, N. Papavero col. [MZUSP]. 1♂, Salesópolis [Estação Biológica de] (Boraceia) S.P. [São Paulo], 850 m, 26-28-2-949 [26-28.ii.1949], Travassos F. & Barreto col. [MZUSP].

Genus CLILOBATA Enderlein, 1923

Cllobata diadema (Wiedemann, 1830) (*Calobata*) (= *Calobata nigrifilum* Walker, 1852). **Type locality:** "Brazil". **Distribution:** Brazil (Bahia, Espírito Santo, Rio de Janeiro, Rio Grande do Sul, São Paulo), Colombia. **Reference:** Hennig (1935).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, S.P. [São Paulo], Rabello col. 04.xi.1964 [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Trav. F. & Kuhimann, 06.xii.1967 [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, Brasil viii.1969, N. Papavero col. [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil, ix.1948, M.P. Barreto col. [MZUSP].

Cllobata fenestrata (Czerny, 1932) (*Rainieria*). **Type locality:** Brazil, São Paulo, "Alto da Serra". **Distribution:** Brazil (São Paulo). **Reference:** Czerny (1932).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, Brasil, viii.1969, N. Papavero col. [MZUSP]. 1♀, BR – SP: Salesópolis, Est. Biol. [Estação

Biológica de] Boraceia – 850 m, 10.viii.61, Rabello col. [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, Brasil, ix.1948, M.P. Barreto col. [MZUSP].

Cllobata guttipennis (Wiedemann, 1830) (*Calobata*) (= *Tanyroda guttata* Enderlein, 1922). **Type locality:** "Brazil". **Distribution:** Brazil (Espírito Santo, São Paulo), Paraguay. **References:** Enderlein (1922), Steyskal (1968).

Material examined: 1♂, BR-SP: Salesópolis, [Estação Biológica de] Boraceia 24/30.i.1952, L.T.F., Carrera, Vanzolini, Oiticica, Pearson [MZUSP]. 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, Brasil, ii.1949 [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil, xii.1948, M.P. Barreto col. [MZUSP].

Genus GRALLIPEZA Rondani, 1850

Grallipeza imbecilla (Enderlein, 1922) (*Systellapha*). **Type locality:** Brazil, Santa Catarina, Blumenau. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Enderlein (1922).

Material examined: 1♀, Salesópolis, S. [São] Paulo, [Estação Biológica de] (Boraceia) 850 m. alt. [altitude], Trav., Trav. Filho & Rabello col., 21-10-949 [21.x.1949]/*Grallipeza* ♀, *imbecilla* (End.), Dr. M. Aczél det./Inst. Miguel Lillo, Preparación, Nº 191 M. Ala. [MZUSP].

Comments: This is first record of the species for the São Paulo state.

Genus POECILOTYLUS Hennig, 1934

Poecilotylyus landrocki (Czerny, 1932) (*Mimegralla*). **Type locality:** Brazil, São Paulo, "Alto da Serra". **Distribution:** Brazil (São Paulo). **Reference:** Czerny (1932).

Material examined: 1♀, BR-S.P.: Salesópolis, [Estação Biológica de] Boraceia 24/30.abril.1948 [24-30.iv.1948], L.T.F., Carrera, Santos, L. Travassos, Rabello [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Trav. F. & Kuhimann, 06.xii.1967 [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, Brasil, ii.1949 [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, São Paulo – Brasil, 18.x.[1]960, Klenko col./*Poecilotylyus* (*H*), *landrockyi* [*sic*] (Czerny, 1932), det. L. Albuquerque [MZUSP]. 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, S.P. [São Paulo], 15.iii.1972, J.H. Guimarães col. [MZUSP].

***Poecilotylyus* sp.**

Material examined: 1♀, BR, S.P.: Salesópolis, [Estação Biológica de] Boraceia 22.vii.1947, E. Rabello & Trav. F. & E. Dente [MZUSP]. 1♂, 4♀♀, Salesópolis, [Estação Biológica

ca de] (Boraceia) S.P., 850 m. 26/28-2-949 [26-28.ii.1949], Travassos F. & Rabello, col. [MZUSP].

Comments: These specimens, identified as *Poecilotyclus albitarsis* (Enderlein, 1922) (**Type locality:** Brazil, Upper Amazon area) in the MZUSP collection, were listed by Albuquerque (1980) and Ferro & de Carvalho (2014), but their identification cannot be assured.

Genus PTILOSPHEN Enderlein, 1922

Ptilosphen sp.

Material examined: 1♀, BR-SP: Salesópolis, [Estação Biológica de] Boraceia 24/30.Jan.1952 [24-30.i.1952], L.T.F., Carrera, Vanzolini, Oiticica, Pearson [MZUSP].

Comments: This specimen is identified as *Ptilosphen fulvus* (Walker, 1849) (**Type locality:** Brazil, Pará) in the MZUSP collection, but its identification cannot be assured.

Genus SYSTELLAPHA Enderlein, 1922

Systellapha ornatithorax Enderlein, 1922 (= *Systellapha maculifrons* Czerny, 1931). **Type locality:** Paraguay, Sapucay; Brazil, "south Brazil". **Distribution:** Argentina, Brazil (Rio de Janeiro, Santa Catarina, São Paulo), Paraguay. **Reference:** Marshall (2020).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Mun [Município, municipality]. Salesópolis, SP, Brasil, i.1949, M.P. Barretto col. [MZUSP]. 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, S.P. 850 m., Rabello, col. 11.xi.[19]60 [MZUSP]. 1♀, BR-SP: Salesópolis, Boraceia 24/30.Jan.1952 [24-30.i.1952], L.T.F., Carrera, Vanzolini, Oiticica, Pearson [MZUSP].

NERIIDAE Westwood, 1840

Genus GLYPHIDOPS Enderlein, 1922

= *Chaetomeristes* Enderlein, 1922 = *Oncopsia* Enderlein, 1922 = *Dictyonerius* Enderlein, 1922 = ?*Odontoscelia* Enderlein, 1922 = *Brachycrotaphus* Czerny, 1932.

Glyphidops limbatus (Enderlein, 1922) (*Oncopsia*) (= *Oncopsia limbata* Enderlein, 1922 = *Odontoscelia striativentris* Czerny, 1932). **Type locality:** Brazil, Santa Catarina. **Distribution:** Brazil (Rondônia, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Sepúlveda et al. (2014).

Material examined: 3♂♂, 2♀♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, viii.1969, N. Papavero col. [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Mun [Município, municipality] Salesópolis, SP, Brasil, i.1949, M.P. Barretto col. [MZUSP]. 1 undetermined sex, Est.

Biol. [Estação Biológica de] Boraceia, Ric. Trav. & Trav. F., 29-FEV-1968 [29.ii.2968] [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, S.P., Oct. 14-19.1970 [14-19.x.1970], J.W. Boyes & J.H. Guimarães col. [MZUSP].

TANYPEZIDAE Rondani, 1856 Genus NEOTANYPEZA Hendel, 1903

Neotanypeza montana (Enderlein, 1936) (*Polphopeza*) (= *Neotanypeza* (*Polphopeza*) *montana* Steyskal, 1967) **Type locality:** Colombia. "Cordillieren, Terra fria, Thieme S". **Distribution:** Argentina, Bolivia, Brazil (Rio de Janeiro, São Paulo), Colombia, Costa Rica, Ecuador, Panama, Peru, Venezuela. **Reference:** Lonsdale (2019).

SYRINGOGASTRIDAE Prado, 1969 Genus SYRINGOGASTER Cresson, 1912

Syringogaster papaveri Prado, 1969. **Type locality:** Brazil, São Paulo, Barueri. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Rafael et al. (2011).

CONOPIDAE Latreille, 1802 Subfamily STYLOGASTRINAE Williston, 1885 Genus STYLOGASTER Macquart, 1835

= *Stylomyia* Westwood, 1851 = *Ptychoproctus* Bigot, 1859.

Stylogaster hirta Camras & Parrillo, 1985. **Type locality:** Brazil, São Paulo, Casa Grande, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Camras & Parrillo (1985).

Material examined: 1♀, BRAZIL: São Paulo; Casa Grande, Boraceia Field Sta.[tion]. 17-I-1975 [17.i.1975], T. Rogers col. (Holotype) [FSCA]. 1♂, BRAZIL: São Paulo; Casa Grande, Boraceia Field Sta.[tion]. 19-26-II-1975, [19-26.ii.1975], Thomas B. Rogers col. (Allotype) [FSCA].

Stylogaster brasilia Camras & Parrillo, 1985. **Type locality:** Brazil, Rio de Janeiro, Represa do Rio Grande. **Distribution:** Brazil (Bahia, Rio de Janeiro, Rondônia, São Paulo). **Reference:** Rocha & Mello-Patiu (2012).

Material examined: 1♂, BRAZIL: São Paulo: Salesópolis, Estação Biológica [de] Boraceia, 14-19-X-1970 [14-19.x.1970], J.W. Boyes & J.H. Guimarães col. (Paratype) [CNC]. 1♀, BRAZIL: São Paulo, Est. Biol. [Estação Biológica de] Boraceia, 14-19-X-1970 [14-19.x.1970], M.E. Irwin col. (Paratype) [CAS]. 8♂♂, 5♀♀, BRAZIL: São Paulo, Casa Grande [Estação Biológica de Boraceia], 14-19-X-1970 [14-19.x.1970], T.E. Rogers col. (Paratypes) [FSCA].

Stylogaster fluminensis Rocha & Mello-Patiu, 2009. **Type locality:** Brazil, Rio de Janeiro, Alto da Boa Vista. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Rocha & Mello-Patiu (2009).

Material examined: 2♂♂, 1♀, Brazil, São Paulo: Salesópolis, Estação Biológica [de] Boraceia, VI-1967, M. Alvarenga col. [MNRJ, lost].

Comments: This is the first record of this species for the state of São Paulo.

PLATYSTOMATIDAE Schiner, 1862
Subfamily PLATYSTOMATINAE Schiner, 1862
Genus SENOPTERINA Macquart, 1835

= *Bricinnia* Walker, 1861 = *Bricinniella* Giglio-Tos, 1893.

Senopterina macularis (Fabricius, 1805) (= *S. bicolor* Walker, 1849 = *S. violacea* Macquart, 1848). **Type locality:** Guyana. **Distribution:** Bolivia, Brazil (Amapá, Amazonas, Goiás, Mato Grosso, Mato Grosso do Sul, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, Rondônia, Roraima, São Paulo, Tocantins), Guyana, Panama, Peru. **Reference:** Rodrigues *et al.* (2024).

TEPHRITIDAE Newman, 1834
Genus ANASTREPHA Schiner, 1868

= *Acrotoxa* Loew, 1873 = *Pseudodacus* Hendel, 1914 = *Phobema* Aldrich, 1925 = *Lucumaphila* Stone, 1939.

Anastrepha luederwaldti Lima, 1934. **Type locality:** Brazil, São Paulo, Ipiranga and Alto da Serra. **Distribution:** Brazil (Rio Grande do Sul, São Paulo). **Reference:** Foote (1967).

Anastrepha serpentina (Wiedemann, 1830). **Type locality:** "Brazil". **Distribution:** Argentina, British Guiana south to Brazil (Acre, Alagoas, Amapá, Amazonas, Distrito Federal, Espírito Santo, Goiás, Maranhão, Mato Grosso do Sul, Minas Gerais, Pará, Paraná, Pernambuco, Piauí, Rio de Janeiro, Rio Grande do Norte, Rio Grande do Sul, Rondônia, Roraima, Santa Catarina, São Paulo, Tocantins), Central America to Peru, Ecuador, Mexico, Trinidad and Tobago, USA, Venezuela. **Reference:** Foote (1967).

Anastrepha simulans Zucchi, 1979. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Paraná, São Paulo). **Reference:** Mello & Lamas (2011).

Genus PARASTENOPA Hendel, 1914

= *Mesaraelia* Blanchard, 1929 = *Hamouchaeta* Blanchard, 1929 = *Kartabia* Curran, 1934 = *Pseudeuleia* Hering, 1940.

Parastenopa guttata Aczél, 1956. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Foote (1967).

Genus POLIONOTA Wulp, 1899

Polionota parva Norrbom, 1988. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Mello & Lamas (2011).

Genus TOMOPLAGIA Coquillett, 1910

= *Plagiotoma* Loew, 1873.

Tomoplaga salesopolitana Aczél, 1955. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Mello & Lamas (2011).

PYRGOTIDAE Schiner, 1868
Subfamily PYRGOTINAE Schiner, 1868
Tribe PYRGOTINI Schiner, 1868
Genus CARRERAPYRGOTA Aczél, 1956

= *Anapyrgota* Steyskal, 1967.

Carrerapyrgota aczeli Mello, Lamas & Rafael, 2010. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Rio de Janeiro, São Paulo, Paraná, Santa Catarina). **Reference:** Mello *et al.* (2010).

Genus LEPTOPYRGOTA Hendel, 1914

= *Porpedrum* Enderlein, 1942.

Leptopyrgota andrei Bernardi, 1991. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Bernardi (1991).

Leptopyrgota costalimai Aczél, 1956. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Bernardi (1991).

Leptopyrgota marci Bernardi, 1991. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Bahia, Minas Gerais, Rio de Janeiro, São Paulo). **Reference:** Bernardi (1991).

Leptopyrgota sahlbergiana Frey, 1918. **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Brazil (Bahia, Minas Gerais, Paraná, Rio de Janeiro, São Paulo, Santa Catarina). **Reference:** Bernardi (1991).

Genus NEOPYRGOTA Hendel, 1934

Neopyrgota falciterebra Hennig, 1936. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Minas Gerais, Paraná, Rio de Janeiro, São Paulo, Santa Catarina). **Reference:** Aczél (1956b).

Material examined: 1♂, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 22-24.x.1982, Exc. DZUPS col. [MZUSP].

Genus PYRGOTA Wiedemann, 1830

Pyrgota ilona Aczél, 1956. **Type locality:** Argentina, Salta, Agua Blanca. **Distribution:** Argentina, Brazil (São Paulo). **Reference:** Aczél (1956a).

Material examined: 1♀, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 24.xi.1946, L. Travassos & Ventel col. [MZUSP].

Comments: This is the first record of this species for Brazil.

Pyrgota longipes Hendel, 1908. **Type locality:** Brazil, Rio Grande do Sul. **Distribution:** Brazil (Bahia, Goiás, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, Roraima, São Paulo), Colombia, Costa Rica, Guatemala. **Reference:** Aczél (1956a).

Material examined: 1♂, xi.1941, Araujo col. [MZUSP]. 2♀♀, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 24.xi.1946, L. Travassos & Ventel col. [MZUSP]. 1♂, 15.xii.1947, E. Rabello col. [MZUSP]. 1♀, 07.x.1956 [MZUSP]. 1♂, 15.xi.1958, T. Filho col. [MZUSP]. 1♂, 01.xi.1967, A. Barroso, T. Filho & Ric. Travassos col. [MZUSP]. 1 undetermined sex, 03.xi.1969, C. Froehlich col. [MZUSP]. 1♀, 26.x.1972, G. Lamas col. [MZUSP]. 1♀, x.1993, Exc. DZUSP col. [MZUSP].

LAUXANIIDAE Macquart, 1835

Subfamily LAUXANIINAE Macquart, 1835

Genus CHAETOCOELIA Giglio-Tos, 1893

Chaetocoelia excepta (Walker, 1853) (= *Trypeta excepta* Walker, 1853 = *Chaetocoelia tripunctata* Malloch, 1926 = *Chaetocoelia banksi* Curran, 1942). **Type locality:** "Brazil". **Distribution:** Brazil (São Paulo), Costa Rica, Mexico, Nicaragua, Panama, Venezuela. **Reference:** Gaimari & Silva (2020).

Material examined: 1♂, Salesópolis, [Estação Biológica de] (Boraceia), S. [São] Paulo, Rabello, Travassos Filho & Gaeta col. 9-5-948 [09.v.1948] [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus GRIPHONEUROMIMA Silva & Gaimari in Gaimari & Silva, 2020

Griphoneuromima frontalis (Macquart, 1843) (= *Sapromyza frontalis* Macquart, 1844). **Type locality:** Brazil, [Paraná], Campos Gerais [region]. **Distribution:** Brazil (Paraná, São Paulo), Costa Rica. **Reference:** Gaimari & Silva (2020).

Material examined: 2♂♂, São Paulo, [Estação Biológica de] Boraceia, 20.iii.1968, H.S. Lopes coll. [MZUSP]. 1♂, 1♀, São Paulo, [Estação Biológica de] Boraceia, ii.1949, M. Carrera coll. [MZUSP]. 1♀, São Paulo, [Estação Biológica de] Boraceia, 05-09.vi.1948, Rabello, J. Lane, J. Hood & Travassos F. coll. [MZUSP]. 1♂, São Paulo, [Estação Biológica de] Boraceia, vi.1954, M. d'Andretta coll. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus PHYSEGENUA Macquart, 1848

Physegenua eronis Curran, 1942. **Type locality:** "Brazil". **Distribution:** Brazil (São Paulo), Colombia, Costa Rica, Dominica, Ecuador, Panama, Peru, Suriname, Trinidad and Tobago, Venezuela. **Reference:** Gaimari & Silva (2020).

Material examined: 1♂, BR-S.P.: Salesópolis, [Estação Biológica de] (Boraceia), 25.vi.1947, Travassos, Trav. F. & E. Dente [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus TRIGONOMETOPUS Macquart, 1835

Trigonometopus boraceiensis Lima & Silva, 2015. **Type locality:** Brazil, São Paulo, Salesópolis. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Lima & Silva (2015).

Subfamily EURYCHOROMYIINAE Hendel, 1910

Genus PHYSEGENIOPSIS Gaimari & Silva, 2010

Physegeniopsis hadrocara Gaimari & Silva, 2010. **Type locality:** Costa Rica, Guanacaste. **Distribution:** Bolivia, Brazil (São Paulo, Rio de Janeiro), Costa Rica, Ecuador. **Reference:** Gaimari & Silva (2020).

Subfamily HOMONEURINAE Stuckenberg, 1971

Genus TRYPETISOMA Malloch in Malloch & McAtee, 1924

Trypētisoma shewelli Arnaud, 1968. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Gaimari & Silva (2020).

Material examined: 1♀, BR-S.P.: Salesópolis, [Estação Biológica de] Boraceia, 15.xii.1947, E. Rabello col. [MZUSP]. 1♀, same data, except: 10-14.xi.1947, L. Trav. F., G. Ramalho & E. Rabello col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

SCIOMYZIDAE Fallén, 1820
Subfamily SCIOMYZINAE Fallén, 1820
Tribe TETANOCERINI Newman, 1834
Genus THECOMYIA Perty, 1833

Thecomyia lateralis (Walker, 1858) (*Tetanocera*) (= *Thecomyia trilineata* Hendel, 1932). **Type locality:** "Valley of Amazon". **Distribution:** Brazil (Amazonas, Bahia, Goiás, Mato Grosso, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Pires & Marinoni (2011).

CLUSIIDAE Handlirsch, 1884
Subfamily CLUSIODINAE Frey, 1960
Genus HETEROMERINGIA Czerny, 1903

Heteromeriingia mediana Lonsdale & Marshall, 2007. **Type locality:** Brazil, Amazonas, Manaus. **Distribution:** Brazil (Amazonas, São Paulo). **Reference:** Lonsdale & Marshall (2007).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil, i.1949, M.P. Barreto col., *Heteromeriingia mediana* Lonsdale & Marshall [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Subfamily SOBAROCEPHALINAE Knab, 1912
Genus SOBAROCEPHALA Czerny, 1903

= *Meriza* Kertesz, 1903 = *Monorrhhexa* Kertesz, 1903 = *Sobarocephaloides* Soós, 1964.

Sobarocephala tibialis Lonsdale & Marshall, 2012. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Lonsdale & Marshall (2012).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, municipality] Salesópolis, SP, Brasil, xii.1948, M.P. Barreto col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

AGROMYZIDAE Hendel, 1931
Subfamily PHYTOMYZINAE Hendel, 1931
Genus CERODONTHA Rondani, 1861
Subgenus ICTEROMYZA Hendel, 1931

Cerodontha (Icteromyza) longipennis (Loew, 1869) (= *Agromyza longipennis* Loew, 1869). **Type locality:** USA, Columbia. **Distribution:** Brazil (São Paulo), Chile, USA. **Reference:** Spencer (1966).

AULACIGASTRIDAE Duda, 1924
Genus AULACIGASTER Macquart, 1835

Aulacigaster bromeliae Rung & Mathis, 2011. **Type locality:** Brazil, Rio de Janeiro, Ilha da Marambaia. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Rung & Mathis (2011).

CHLOROPIDAE Rondani, 1856
Subfamily CHLOROPINAE Rondani, 1856
Genus ECTECEPHALINA Paganelli, 2002

Ectecephalina boliviensis (Becker, 1912) (*Chlorops*). **Type locality:** Bolivia. **Distribution:** Bolivia, Brazil (São Paulo). **References:** Sabrosky & Paganelli (1984); Paganelli (2002).

Material examined: 1♂, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 872 m, 23°39'10"S, 43°53'27"W, 26.xi.2016, sweeping, trilha [trail], Riccardi P.R. col. [MZUSP]. 1♂, Brazil, São Paulo, Cubatão, iii.1945, F. Lane coll. [MZUSP].

Comments: This is the first record of this species for Brazil.

Genus TRIGONOMMA Enderlein, 1911

= *Beckerella* Enderlein, 1911.

Trigonomma bisulcatum (Enderlein, 1911) (*Beckerella*). **Type locality:** Brazil, Santa Catarina. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Sabrosky & Paganelli (1984).

Material examined: 1♀, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 872 m, 23°39'10"S, 43°53'27"W, 25-27.xi.2016, Sweeping, trilha [trail], Riccardi P.R. col. [MZUSP].

Comments: This is first record of this species for the state of São Paulo.

Subfamily OSCINELLINAE Becker, 1910
Genus ACANTHOPELTASTES Enderlein, 1911

Acanthopeltastes hyalinipennis Enderlein, 1911. **Type locality:** Brazil, Santa Catarina. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Sabrosky & Paganelli (1984).

Material examined: 1♂, Brazil, São Paulo, Salesópolis, E.B. [Estação Biológica de] Boraceia, 872 m, 23°39'4"S, 45°52'57"W, 25-27.xi.2016, Sweeping, trilha [trail], P.R. Riccardi col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus BIORBITELLA Sabrosky, 1980

Biorbitella rubicunda (Becker, 1912). **Type locality:** Bolivia, Lorenzo-pata and Sarampiuní. **Distribution:** Bolivia, Brazil (Rio de Janeiro, São Paulo), Colombia, Ecuador, Peru, Venezuela. **Reference:** Sabrosky & Paganelli (1984).

Material examined: 1♂, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 872 m, 23°39'4"S, 45°52'57"W, 25-27.xi.2016, Sweeping, trilha [trail], P.R. Riccardi col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus CERATOBARYS Coquillett, 1898

Ceratobarys sacculicornis (Enderlein, 1911) (*Gampsocera*). **Type locality:** Brazil, Santa Catarina. **Distribution:** Argentina, Bolivia, Brazil (Distrito Federal, Espírito Santo, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Chile, Costa Rica, Paraguay, Peru, St. Helena, Uruguay. **Reference:** Mlynarek & Wheeler (2008).

Material examined: 1♂, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 872 m, 23°39'12"S, 45°53'20"W, 27.xi.2016, Sweeping, alojamento [field lodging], P.R. Riccardi col. [MZUSP].

Genus PSEUDOGAURAX Malloch, 1915

= *Mimogaurax* Hall, 1937.

Pseudogaurax cf. paratolmos Wheeler, 2016. **Type locality:** Panama, Colon Prov, Soberania Nat Pk. **Distribution:** Brazil (São Paulo), Panama. **Reference:** González *et al.* (2016).

Material examined: 1♀, Brazil, São Paulo, Salesópolis, Estação Biológica Boraceia, 23°39'17.1"S, 45°53'15.6"W, 03-09.xi.2016, Shannon trap, D.S. Amorim & team [MZUSP].

Comments: The identity of the examined specimen could not be confirmed.

Subfamily SIPHONELLOPSINAE Duda, 1932 Genus APOTROPINA Hendel, 1907

= *Lasiopleura* Becker, 1910 = *Parahippelates* Becker, 1911 = *Pseudohippelates* Malloch, 1913 = *Emmalochaeta* Becker, 1916 = *Ephydroscinis* Malloch, 1924 = *Omochaeta* Duda, 1930 = *Hopkinsella* Malloch, 1930 = *Neoborborus* Rayment, 1931 = *Liomochoeta* Duda, 1934 = *Oscinelloides* Malloch, 1940.

Apotropina rufithorax (Duda, 1930) (*Omochaeta*). **Type locality:** Brazil, Rio de Janeiro, Petrópolis. **Distribution:**

Brazil (Rio de Janeiro, São Paulo). **Reference:** Sabrosky & Paganelli (1984).

Material examined: 1♂, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 872 m, 23°39'10"S, 43°53'27"W, 26.xi.2016, Sweeping, trilha [trail], Riccardi P.R. col. [MZUSP].

Comments: This is first record of this species for the state of São Paulo.

HELEOMYZIDAE Westwood, 1840 Genus RHINOTORA Schiner, 1868

Rhinotora diversipennis Lopes, 1936. **Type locality:** Brazil, São Paulo, Cantareira. **Distribution:** Brazil (Rio Grande do Sul, São Paulo). **References:** Guimarães & Papavero (1966); Calhau *et al.* (2016).

Rhinotora lopesi Guimarães & Papavero, 1966. **Type locality:** Brazil, São Paulo, Campos do Jordão, Alto da Boa Vista. **Distribution:** Brazil (Amazonas, Paraná, Rio Grande do Sul, São Paulo). **References:** Guimarães & Papavero (1966); Calhau *et al.* (2016).

Rhinotora salesopolitana Guimarães & Papavero, 1966. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Guimarães & Papavero (1966); Papavero (1967b); Calhau *et al.* (2016).

Rhinotora spilopectera Guimarães & Papavero, 1966. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Paraná, São Paulo). **References:** Guimarães & Papavero (1966); Papavero (1967b); Calhau *et al.* (2016).

Rhinotora travassosi Lopes, 1934. **Type locality:** Brazil, São Paulo, Cantareira. **Distribution:** Brazil (Minas Gerais, Paraná, São Paulo). **References:** Guimarães & Papavero (1966); Calhau *et al.* (2016).

Genus RHINOTOROIDES Lopes, 1934

Rhinotoroides bifurcata Lopes, 1934. **Type locality:** Brazil, São Paulo, Cantareira. **Distribution:** Brazil (São Paulo, Paraná). **Reference:** Guimarães & Papavero (1966).

SPHAEROCERIDAE Macquart, 1835 Subfamily SPHAEROCERINAE Macquart, 1835 Genus NEOSPHAEROCERA Kim, 1972

Neosphaerocera boraceiensis Mourgués-Schurter, 1981. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Mourgués-Schurter (1980).

CURTONOTIDAE Duda, 1934
Genus CURTONOTUM Macquart, 1844

Curtonotum magnum (Malloch, 1930) (*Cyrtonotum*).
Type locality: Brazil, Rio de Janeiro. **Distribution:** Brazil (Minas Gerais, Rio de Janeiro, São Paulo). **Reference:** Klymko & Marshall (2011).

DROSOPHILIDAE Rondani, 1856
Subfamily DROSOPHILINAE Rondani, 1856
Genus CLADOCHAETA Coquillett, 1900

= *Clastopterymyia* Malloch in Malloch & McAtee, 1924.

Cladochaeta armata (Frota-Pessoa, 1947)
(= *Clastopterymyia armata* Frota-Pessoa, 1947).
Type locality: Brazil, São Paulo, Campos do Jordão.
Distribution: Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Gottschalk *et al.* (2008).

Genus DIATHONEURA Duda, 1924

Diathoneura carrerai (Frota-Pessoa, 1947)
(= *Clastopterymyia carrerai* Frota-Pessoa, 1947). **Type locality:** Brazil, São Paulo, Cantareira. **Distribution:** Brazil (São Paulo). **Reference:** Gottschalk *et al.* (2008).

Genus DROSOPHILA Fallén, 1823

= *Palmophila* Grimaldi in Grimaldi, Evrik & Bernal, 2003.

Subgenus DORSILOPHA Sturtevant, 1942

Drosophila (Dorsilopha) busckii (Coquillett, 1910)
(= *Drosophila rubrostriata* Becker, 1908; = *Drosophila plurilineata* Villeneuve, 1911). **Type locality:** USA, Washington. **Distribution:** Africa, Arabian Peninsula, Argentina, Asia, Australia, Brazil (Bahia, Distrito Federal, Goiás, Minas Gerais, Mato Grosso do Sul, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Canada, Central America, Chile, Colombia, Costa Rica, Cuba, Ecuador, Europe, Hawaii Islands, Mexico, New Zealand, Oceania, Peru, Uruguay, USA, West Indies. **Reference:** Bächli (2024).

Subgenus SIPHLODORA Patterson & Mainland, 1944

Drosophila (Siphlodora) annulimana Duda, 1927. **Type locality:** Bolivia, Mapiiri. **Distribution:** Bolivia, Brazil (Amazonas, Minas Gerais, Santa Catarina, São Paulo), Colombia, Peru. **Reference:** Bächli (2024).

Drosophila (Siphlodora) arassari Cunha & Frota-Pessoa, 1947. **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil (Minas Gerais, Paraná, Rio Grande

do Sul, Santa Catarina, São Paulo), Uruguay. **Reference:** Bächli (2024).

Drosophila (Siphlodora) boraceia Vilela & Val, 2004. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Bächli (2024).

Drosophila (Siphlodora) canalinea Patterson & Mainland, 1944. **Type locality:** Mexico, Veracruz, San Juan. **Distribution:** Brazil (Amazonas, Ceará, Goiás, Minas Gerais, Pará, São Paulo, Tocantins), Costa Rica, Colombia, Ecuador, El Salvador, Honduras, Mexico, Nicaragua, Panama, Venezuela, West Indies. **Reference:** Bächli (2024).

Drosophila (Siphlodora) caponei Pavan & Cunha, 1947. **Type locality:** Brazil, São Paulo, Mongaguá. **Distribution:** Brazil (Bahia, Distrito Federal, Mato Grosso, Minas Gerais, Pará, Paraná, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Bächli (2024).

Drosophila (Siphlodora) carolinae Vilela, 1983. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Paraná, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Drosophila (Siphlodora) dreyfusi Dobzhansky & Pavan, 1943. **Type locality:** Brazil, São Paulo, Mogi das Cruzes. **Distribution:** Brazil (Distrito Federal, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Venezuela. **Reference:** Val & Kaneshiro (1988).

Drosophila (Siphlodora) fascioides Dobzhansky & Pavan, 1943. **Type locality:** Brazil São Paulo, Bertioga. **Distribution:** Brazil (Pará, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Colombia, Ecuador, Costa Rica, Honduras, Panama. **Reference:** Val & Kaneshiro (1988).

Drosophila (Siphlodora) krugi Pavan & Breuer, 1954. **Type locality:** Brazil, São Paulo, Cantareira. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo), Venezuela. **Reference:** Val & Kaneshiro (1988).

Drosophila (Siphlodora) mercatorum (Patterson & Wheeler, 1942) (= *D. carinata* Grimshaw, 1901 = *D. pararepleta* Dobzhansky & Pavan, 1943). **Type locality:** USA, California, Santa Barbara. **Distribution:** Argentina, Asia (India), Australia, Bolivia, Brazil (Amazonas, Bahia, Distrito Federal, Espírito Santo, Goiás, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Paraíba, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Rondônia, Santa Catarina, São Paulo), Chile, Colombia, Costa Rica, Ecuador, El Salvador, Europe, Guatemala, Hawaii Islands, Kenya, Mexico, Morocco, Nicaragua, Oceania, Paraguay, Peru, Uruguay, USA, Venezuela, Zimbabwe. **Reference:** Val & Kaneshiro (1988).

Drosophila (Siphlodora) schineri Pereira & Vilela, 1987. **Type locality:** Brazil, São Paulo, Peruíbe. **Distribution:**

Brazil (Rio Grande do Sul, Santa Catarina, São Paulo).
Reference: Gottschalk *et al.* (2008).

Subgenus *DROSOPHILA* Fallén, 1823

Drosophila (Drosophila) atrata Burla & Pavan, 1953. **Type locality:** Brazil, São Paulo, Pirassununga. **Distribution:** Brazil (Bahia, Distrito Federal, Minas Gerais, Pará, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) bandeirantorum Dobzhansky & Pavan, 1943. **Type locality:** Brazil, São Paulo, Mogi das Cruzes. **Distribution:** Argentina, Bolivia, Brazil (Bahia, Distrito Federal, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia, Ecuador, Mexico, Venezuela. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) cardini Sturtevant, 1916. **Type locality:** Cuba, Havana. **Distribution:** Argentina, Bolivia, Brazil (Amazonas, Bahia, Distrito Federal, Goiás, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pará, Paraíba, Paraná, Pernambuco, Piauí, Rio de Janeiro, Rio Grande do Norte, Rio Grande do Sul, Rondônia, Santa Catarina, São Paulo), Costa Rica, Cuba, El Salvador, Dominican Republic, Haiti, Hawaii Islands, Jamaica, Mexico, Nicaragua, Panama, USA, West Indies. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) cardinoides Dobzhansky & Pavan, 1943. **Type locality:** Brazil, São Paulo, Iporanga. **Distribution:** Argentina, Bolivia, Brazil (Acre, Amazonas, Bahia, Distrito Federal, Espírito Santo, Goiás, Maranhão, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pará, Paraná, Rio de Janeiro, Rondônia, Roraima, Rio Grande do Sul, Santa Catarina, São Paulo), Costa Rica, Chile, Colombia, Ecuador, El Salvador, Galapagos Islands, Guatemala, Mexico, Panama, Peru, USA, Venezuela, West Indies. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) griseolineata Duda, 1927. **Type locality:** Bolivia, Mapiří. **Distribution:** Bolivia, Brazil (Bahia, Distrito Federal, Espírito Santo, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia, Ecuador, Venezuela. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) guaraja King, 1947. **Type locality:** Brazil, São Paulo, Campos de Jordão. **Distribution:** Brazil (Minas Gerais, Paraná, Santa Catarina, São Paulo), Panama. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) immigrans (Sturtevant, 1921) (= *D. brouni* Hutton, 1901 = *D. cilifemur* Villeneuve, 1923 = *D. flexipilosa* Pipkin, 1964). **Type locality:** USA, New York, New York. **Distribution:** Africa, Arabian Peninsula, Argentina, Asia, Australia, Brazil (Bahia, Distrito Federal,

Goiás, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pernambuco, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Canada, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Europe, Hawaii Islands, New Zealand, Nicaragua, Oceania, Panama, Peru, Uruguay, USA, Venezuela, West Indies. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) maculifrons Dobzhansky & Pavan, 1943 (= *Drosophila guaramunu* Dobzhansky & Pavan, 1943). **Type locality:** Peru, Rosalina. **Distribution:** Argentina, Bolivia, Brazil (Distrito Federal, Espírito Santo, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia, Peru, Uruguay, Venezuela. **Reference:** Bächli (2024).

Drosophila (Drosophila) mediopicta Frota-Pessoa, 1954. **Type locality:** Brazil, São Paulo, Mogi das Cruzes. **Distribution:** Brazil (Minas Gerais, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Gottschalk *et al.* (2008).

Drosophila (Drosophila) mediopunctata Dobzhansky & Pavan, 1943. **Type locality:** Brazil, São Paulo, Itanhaém. **Distribution:** Brazil (Bahia, Distrito Federal, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), El Salvador. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) mediotriata (Duda, 1925) (= *D. crocina* Patterson & Mainland, 1944 = *D. campestris* Burla *in* Pavan, 1950). **Type locality:** Costa Rica, Turrialba, Suíza. **Distribution:** Bolivia, Brazil (Acre, Amazonas, Bahia, Distrito Federal, Goiás, Maranhão, Minas Gerais, Mato Grosso, Pará, Paraná, Pernambuco, Piauí, Rio de Janeiro, Roraima, Rio Grande do Sul, Santa Catarina, São Paulo, Tocantins), Colombia, Costa Rica, El Salvador, Honduras, Panama, Peru, Venezuela, West Indies. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) nappae Vilela, Valente & Basso-da-Silva, 2004. **Type locality:** Brazil, Rio Grande do Sul, Porto Alegre. **Distribution:** Brazil (Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Paraguay, Peru. **Reference:** Bächli (2024).

Drosophila (Drosophila) neocardini Streisinger, 1946. **Type locality:** Brazil, Amazonas, Teffé. **Distribution:** Brazil (Acre, Amazonas, Bahia, Distrito Federal, Minas Gerais, Mato Grosso do Sul, Pará, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia, Ecuador, Panama, Peru, Mexico. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) ornatifrons (Duda, 1927) (= *D. guarani* Dobzhansky & Pavan, 1943). **Type locality:** Brazil, Rio de Janeiro, Petrópolis. **Distribution:** Bolivia, Brazil (Amazonas, Bahia, Distrito Federal, Minas Gerais, Pará, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do

Sul, Santa Catarina, São Paulo), Colombia, Ecuador, Uruguay. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) pallidipennis Dobzhansky & Pavan, 1943. **Type locality:** Brazil, São Paulo, Iporanga. **Distribution:** Brazil (Bahia, Distrito Federal, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) paraguayensis (Duda, 1927) (= *D. medionotata* Frota-Pessoa, 1954). **Type locality:** Brazil, São Paulo, Mongaguá. **Distribution:** Brazil (Distrito Federal, Minas Gerais, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Chile, Colombia, Ecuador, Panama, Paraguay. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) polymorpha Dobzhansky & Pavan, 1943. **Type locality:** Brasil, São Paulo, Bertioga. **Distribution:** Argentina, Bolivia, Brazil (Acre, Amazonas, Bahia, Distrito Federal, Espírito Santo, Goiás, Maranhão, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pará, Paraná, Rio de Janeiro, Roraima, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia, Ecuador, Guatemala, Mexico, Panama, Peru, Venezuela, Uruguay, West Indies. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) quadrum (Wiedemann, 1830) (= *Trypeta quadrum* Wiedemann, 1830). **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Distrito Federal, Minas Gerais, Pará, Rio de Janeiro, Santa Catarina, São Paulo, Rio Grande do Sul), Peru, Venezuela. **Reference:** Val & Kaneshiro (1988).

Drosophila (Drosophila) setula Heed & Wheeler, 1957. **Type locality:** Colombia, Fusagasuga. **Distribution:** Brazil (Pará, Rio de Janeiro, Santa Catarina, São Paulo), Costa Rica, Colombia, Panama, Venezuela, West Indies. **Reference:** Val & Kaneshiro (1988).

Subgenus SOPHOPHORA Sturtevant, 1939

Drosophila (Sophophora) bocainensis Pavan & Cunha, 1947. **Type locality:** Brazil, São Paulo, Campos de Bocaina. **Distribution:** Argentina, Brazil (Distrito Federal, Mato Grosso, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia, Ecuador, Honduras, Peru, Venezuela. **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) bocainoides Carson, 1954. **Type locality:** Brazil, São Paulo, Mongaguá. **Distribution:** Brazil (Minas Gerais, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Gottschalk et al. (2008).

Drosophila (Sophophora) capricorni Dobzhansky & Pavan, 1943. **Type locality:** Brazil, São Paulo, Mongaguá. **Distribution:** Brazil (Bahia, Distrito Federal, Espírito Santo, Maranhão, Mato Grosso, Minas Gerais, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São

Paulo), Cameroon, Colombia, Mexico, Panama, Peru, Venezuela. **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) fumipennis Duda, 1925. **Type locality:** Costa Rica, Turrialba, Suiza. **Distribution:** Brazil (Acre, Amazonas, Bahia, Distrito Federal, Espírito Santo, Maranhão, Minas Gerais, Mato Grosso, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Costa Rica. **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) malerkotliana Parshad & Paika, 1964. **Type locality:** India, Chandigarh, Government College, Botanical Garden. **Distribution:** Africa, Asia, Brazil (Amazonas, Bahia, Distrito Federal, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pará, Paraíba, Paraná, Pernambuco, Piauí, Rio de Janeiro, Rio Grande do Norte, Rio Grande do Sul, Rondônia, Santa Catarina, São Paulo), Colombia, Cuba, Ecuador, Mexico, Pacific Area, Panama, USA, West Indies. **Reference:** Bächli (2024).

Drosophila (Sophophora) melanogaster (Meigen, 1830) (= *D. fasciata* Meigen, 1830 = *D. nigriventris* Macquart, 1843 = *D. approximata* Zetterstedt, 1847 = *D. immatura* Walker, 1849 = *D. ampelophila* Loew, 1862 = *D. uvarum* Rondani, 1875 = *D. balteata* Bergroth, 1894 = *D. pilosula* Becker, 1908 = *D. emulata* Rav-Chaudhuri & Mukherjee, 1941 = *D. artificialis* Kozhevnikov, 1936 = *D. melanocephala* De Meijere, 1946 = *D. ampelophaga* Howard, 1900). **Type locality:** Germany and Austria. **Distribution:** Africa, Arabian Peninsula, Asia, Brazil (Bahia, Distrito Federal, Maranhão, Minas Gerais, Piauí, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Central America, Europe, Oceania. **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) nebulosa Sturtevant, 1916. **Type locality:** West Indies, Saint Vincent. **Distribution:** Brazil (Acre, Amazonas, Bahia, Distrito Federal, Espírito Santo, Goiás, Maranhão, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pará, Paraíba, Paraná, Rio de Janeiro, Rio Grande do Norte, Rondônia, Roraima, Rio Grande do Sul, Santa Catarina, São Paulo, Tocantins), Saint Vincent. **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) neoelliptica Pavan & Magalhães, 1950. **Type locality:** Brazil, Paraná, Jaguariá. **Distribution:** Brazil (Bahia, Distrito Federal, Goiás, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) neosaltans Pavan & Magalhães, 1950. **Type locality:** Brazil, São Paulo, Mogi das Cruzes. **Distribution:** Brazil (Rio Grande do Sul, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) parabocainensis Carson, 1954. **Type locality:** Brazil, Rio Grande do Sul, Feliz. **Distribution:** Brazil (Minas Gerais, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia. **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) paulistorum Dobzhansky & Pavan, 1949. **Type locality:** Brazil, São Paulo, Mogi das Cruzes. **Distribution:** Bolivia, Brazil (Amazonas, Bahia, Ceará, Distrito Federal, Goiás, Maranhão, Minas Gerais, Mato Grosso, Pará, Paraíba, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Cameroon, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Guatemala, Guyana, Haiti, Indonesia, Jamaica, Mexico, Namibia, Panama, Peru, Puerto Rico, USA, Venezuela, West Indies. **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) prosaltans Duda, 1927. **Type locality:** Paraguay, Honenau. **Distribution:** Argentina, Brazil (Amazonas, Bahia, Distrito Federal, Goiás, Maranhão, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pará, Paraná, Pernambuco, Piauí, Rio de Janeiro, Rio Grande do Sul, Rondônia, Santa Catarina, São Paulo, Tocantins), Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Guyana, Panama, Paraguay, Peru, Mexico, Venezuela. **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) simulans Sturtevant, 1919. **Type locality:** USA, Florida, Lakeland. **Distribution:** Africa, Arabian Peninsula, Asia, Brazil (Amazonas, Bahia, Distrito Federal, Espírito Santo, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pará, Paraíba, Paraná, Rio de Janeiro, Rio Grande do Norte, Rio Grande do Sul, Santa Catarina, São Paulo), Central America, Europe, Oceania, USA. **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) sturtevanti (Duda, 1927) (= *D. earlei* Sturtevant, 1916 = *D. pilifacies* Malloch, 1926 = *D. biopaca* Sturtevant, 1942). **Type locality:** Bolivia, Mapi. **Distribution:** Brazil (Acre, Amazonas, Bahia, Distrito Federal, Espírito Santo, Goiás, Maranhão, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pará, Paraíba, Paraná, Rio de Janeiro, Rio Grande do Norte, Roraima, Rio Grande do Sul, Santa Catarina, São Paulo), Bolivia. **Reference:** Val & Kaneshiro (1988).

Drosophila (Sophophora) willistoni (Sturtevant, 1916) (= *D. pallida* Williston, 1896 = *D. paulista* Dobzhansky & Pavan, 1943). **Type locality:** West Indies, Saint Vincent. **Distribution:** Africa, Argentina, Bahamas, Belize, Bolivia, Brazil (Amapá, Amazonas, Bahia, Distrito Federal, Goiás, Minas Gerais, Maranhão, Mato Grosso, Pará, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Rio Grande do Norte, Rondônia, Santa Catarina, São Paulo, Tocantins), Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Europe, Galapagos Islands, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Uruguay, USA, Venezuela, West Indies. **Reference:** Val & Kaneshiro (1988).

Genus NEOTANYGASTRELLA Duda, 1925

Neotanygastrella chymomyzoides Duda, 1927. **Type locality:** Bolivia, Mapi. **Distribution:** Bolivia, Brazil

(Mato Grosso, Pará, São Paulo), Colombia, Ecuador, Peru, Venezuela. **Reference:** Bächli (2024).

Genus SCAPTODROSOPHILA Duda, 1923

Scaptodrosophila latifasciaeformis (Duda, 1940) (= *Drosophila latifasciaeformis* Duda, 1940 = *Drosophila finitima gracilipes* Duda, 1940 = *Drosophila mirim* Dobzhansky & Pavan, 1943 = *Drosophila baeomyia* Wheeler, 1949). **Type locality:** Uganda, Katona. **Distribution:** Africa, Asia, Brazil (Acre, Amazonas, Bahia, Distrito Federal, Goiás, Maranhão, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Pará, Paraíba, Paraná, Rio de Janeiro, Rio Grande do Norte, Rondônia, Santa Catarina, São Paulo), Colombia, Costa Rica, Cuba, Ecuador, El Salvador, Galapagos Islands, Mexico, Panama, Peru, Puerto Rico, USA, Venezuela, West Indies. **Reference:** Val & Kaneshiro (1988).

Genus ZYGOTHRICA Wiedemann, 1830

Zygothrica apopoeyi Burla, 1956. **Type locality:** Brazil, São Paulo, São Paulo. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica atriangula Duda, 1927. **Type locality:** Peru, Pichis. **Distribution:** Brazil (Pará, Rio de Janeiro, Santa Catarina, São Paulo), Peru. **Reference:** Val & Kaneshiro (1988).

Zygothrica bilineata (Williston, 1896) (= *Drosophila bilineata* Williston, 1896 = *Zygothrica gemma* Burla, 1956). **Type locality:** West Indies, Saint Vincent. **Distribution:** Brazil (Mato Grosso, Pará, Paraná, Rio de Janeiro, Rondônia, Rio Grande do Sul, Santa Catarina, São Paulo), West Indies. **Reference:** Val & Kaneshiro (1988).

Zygothrica candens Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, Rio Grande do Sul, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica caudata (Hendel, 1913) (= *Drosophilura caudata* Hendel, 1913). **Type locality:** Brazil, Pará, Santarém. **Distribution:** Brazil (Pará, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica dispar (Wiedemann, 1830) (= *Achias dispar* Wiedemann, 1830). **Type locality:** Brazil. **Distribution:** Brazil (Espírito Santo, Pará, Piauí, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica festiva Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica fuscina Burla, 1956. **Type locality:** Brazil, São Paulo, São Paulo. **Distribution:** Brazil (Rio Grande do Sul,

Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica gracilipoeyi Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica hypandriata Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica lanceolata Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica mesopoeyi Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica nealdrichi Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica nigropleura Grimaldi, 1987. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Gottschalk *et al.* (2008).

Zygothrica orbitalis (Sturtevant, 1916) (= *Drosophila orbitalis* Sturtevant, 1916 = *Zygothrica nitidifrons* Duda, 1927 = *Drosophila ochracea* Hendel, 1936 = *Zygothrica parilis* Burla, 1956). **Type locality:** Panama, Ilha Taboga. **Distribution:** Brazil (Pará, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Panama. **Reference:** Bächli (2024).

Zygothrica pallidipoeyi Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica paraldrichi Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Amazonas, Pará, Rio de Janeiro, Rondônia, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica parapoeyi Burla, 1956. **Type locality:** Brazil, São Paulo, São Paulo. **Distribution:** Brazil (Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica parvipoeyi Burla, 1956. **Type locality:** Brazil, São Paulo, São Paulo. **Distribution:** Brazil (Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica prodispar Duda, 1927. **Type locality:** Peru, Pinipini. **Distribution:** Brazil (Bahia, Mato Grosso, Pará,

Piauí, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Peru. **Reference:** Val & Kaneshiro (1988).

Zygothrica ptilialis Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, Rondônia, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica sectipoeyi Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica spiculirostris Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica subcandens Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Pará, Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica virgatalba Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Pará, Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica virgatinigra Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Pará, Rio de Janeiro, São Paulo). **Reference:** Gottschalk *et al.* (2008).

Zygothrica vittimaculosa Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica vittinotialis Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica vittinubila Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo), Peru. **Reference:** Val & Kaneshiro (1988).

Zygothrica vittipunctata Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica vittisecta Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica vittivirgata Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Itatiaia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Val & Kaneshiro (1988).

Zygothrica zygopoeyi Burla, 1956. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Bra-

zil (Paraná, Rio de Janeiro, Santa Catarina, São Paulo).

Reference: Val & Kaneshiro (1988).

Subfamily STEGANINAE Hendel, 1917

Genus LEUCOPHENGHA Mik, 1886

= *Oxyleucophenga* Hendel, 1913 = *Drosomyiella* Hendel, 1914 = *Paraleucophenga* Oldenberg, 1914 = *Neoleucophenga* Oldenberg, 1915 = *Ptyelusimyia* Séguy, 1915 = *Drosophilopsis* Séguy, 1951 = *Argyrolampa* Strobl, 1893.

Leucophenga maculosa (Coquillett, 1895) (= *Drosophila maculosa* Coquillett, 1895). **Type locality:** USA, Florida.

Distribution: Brazil (Rio Grande do Sul, Santa Catarina, São Paulo), USA. **Reference:** Bächli (2024).

Genus RHINOLEUCOPHENGHA Hendel, 1917

Subgenus PSEUDOPHORTICA Sturtevant, 1918

Rhinoleucophenga (Pseudophortica) cantareira Vilela & Bächli, 2019. **Type locality:** Brazil, São Paulo, Parque Estadual da Cantareira. **Distribution:** Brazil (Mato Grosso, Mato Grosso do Sul, Pernambuco, Rio de Janeiro, São Paulo). **Reference:** Bächli (2024).

Comments: This species was initially misidentified as *Rhinoleucophenga obesa* (Loew, 1872); see Vilela & Bächli (2019) and Poppe et al. (2019) for further details.

Genus STEGANA Meigen, 1830

Subgenus STEGANINA Wheeler, 1960

Stegana (Steganina) brasiliensis (Duda, 1927) (= *Protostegana brasiliensis* Duda, 1927). **Type locality:** Brazil, Rio de Janeiro, Petrópolis. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Bächli (2024).

DIASTATIDAE Hendel, 1917

Subfamily DIASTATINAE Hendel, 1917

Genus DIASTATA Meigen, 1830

Diastata fachini Costa, Pirani & Mathis, 2023. **Type locality:** Brazil, São Paulo. **Distribution:** Brazil (São Paulo). **Reference:** Costa et al. (2023).

EPHYDRIDAE Zetterstedt, 1837

Subfamily GYMNOZYINAE Latreille, 1829

Genus LAMPROCLASIOPA Hendel, 1933

Lamproclasiopa xanthocera Costa, Mathis & Marinoni, 2016. **Type locality:** Brazil, Paraná, Curitiba. **Distribution:** Argentina, Brazil (Paraná, São Paulo). **Reference:** Costa et al. (2016).

HIPPOBOSCIDAE Samouelle, 1819

Subfamily ORNITHOMYINAE Bigot, 1853

Genus ORNITHOCTONA Speiser, 1902

Ornithoctona fusciventris (Wiedemann, 1830) (*Ornithomyia*). **Type locality:** USA, Kentucky.

Distribution: Argentina, Bolivia, Brazil (Minas Gerais, Paraná, Rio Grande do Sul, Rio de Janeiro, São Paulo), Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Panama, Peru, USA, Venezuela. **References:** Bequaert (1954); Maa (1962).

Genus ORNITHOICA Rondani, 1878

Ornithoica vicina (Walker, 1849) (*Ornithomyia*). **Type locality:** Jamaica. **Distribution:** Belize, Bolivia, Brazil (Minas Gerais, Paraná, Rio Grande do Sul, Santa Catarina, São Paulo), Canada, Chile, Colombia, Costa Rica, Cuba, Ecuador, Guatemala, Jamaica, Mexico, Panama, Paraguay, Peru, USA, Venezuela. **Reference:** Bequaert (1954).

Genus ORNITHOMYA Latreille, 1802

= *Pseudornithomyia* Lutz, Neiva & Costa-Lima, 1915.

Ornithomyia ambigua (Lutz, Neiva & Costa-Lima, 1915) (*Pseudornithomyia*). **Type locality:** Brazil, Minas Gerais and Santa Catarina. **Distribution:** Brazil (Espírito Santo, Minas Gerais, Santa Catarina, São Paulo), Colombia, Peru, Venezuela. **Reference:** Bequaert (1954).

NYCTERIBIIDAE Samouelle, 1819

Subfamily NYCTERIBIINAE Samouelle, 1819

Genus BASILIA Miranda-Ribeiro, 1902

= *Pseudelytromyia* Miranda-Ribeiro, 1907 = *Guimaraesia* Schuurmans-Stekhoven Jr., 1951.

Basilia ferruginea Miranda-Ribeiro, 1903. **Type locality:** Brazil, Minas Gerais, Santana do Sapé (actual Guidoal). **Distribution:** Brazil (Minas Gerais, Pará, Rio de Janeiro, Santa Catarina, São Paulo), Cuba, Ecuador (Galapagos Is.), Panama, Paraguay. **Reference:** Gracioli et al. (2007).

Material examined: 1 ♂, São Paulo, [Estação Biológica de] Boraceia (MZUSP 47.341 A.17.14, *L. borealis bonariensis* [= *Lasiurus blossevillii* (Lesson & Garnot, 1826)], L.R. Guimarães det.), Medeiros, Travassos, Camargo coll. [MZUSP].

MUSCIDAE Latreille, 1802

Subfamily AZELIINAE Robineau-Desvoidy, 1830

Genus HYDROTAEA Robineau-Desvoidy, 1830

Hydrotaea aenescens (Wiedemann, 1830) (*Anthomyia*) (= *Ophyra virescens* Macquart, 1843 = *Anthomyia setia*

Walker, 1849 = *Ophyra argentina* Bigot, 1885 = *Ophyra carbonaria* Shannon & Del Ponte, 1926). **Type locality:** "New-Orleans", USA. **Distribution:** Cosmopolitan. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♂, 4♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP].

Hydrotaea albuquerquei (Lopes, 1985) (*Ophyra*). **Type locality:** Brazil, Rio de Janeiro, Le Vallon, Alto da Mosela. **Distribution:** Brazil (Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 7♂♂, 28♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 1♂, Reserva [Estação Biológica] de Boraceia, isca de camarão [shrimp bait], 05-06.ix.2008, S. Moraes & L. Pinheiro col. [MZUSP]. 1♂, Arm. [Armadilha] de borboleta [butterfly trap], isca peixe em decomposição [rooting fish bait], 09.ix.2008, M. Duarte, S. Casari & S. Moraes leg. [MZUSP]. 1♂, 1♀, isca de peixe porre [rooting fish bait], 11.ix.2008, M. Duarte col. [MZUSP].

Genus MYDAEA Robineau-Desvoidy, 1830

Mydaea plaumanni Snyder, 1941. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Mexico, Paraguay. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 10♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. Luz [light trap], 20-25.xi.2009, Amorim, Ribeiro & Berbert col. [MZUSP]. 1♀, Reserva [Estação Biológica] de Boraceia, 23°39'06"S, 45°53'51"W, Shannon (800-850 m), 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP]. 1♀, Est. Biol. [Estação Biológica] de Boraceia, 06.xii.1967, Trav. F. & Kuhlmann col. [MZUSP]. 1♀, Salesópolis, [Estação Biológica] de Boraceia, 850 m, 26-28.ii.1949, Travassos F. & Rabello col. [MZUSP]. 1♀, Reserva [Estação Biológica] de Boraceia, Trilha caixa d'água [water tank trail], mata [forest], 23°38'29"S, 45°51'22"W, Malaise, 04-07.ix.2012, Gudin, F. col. [MZUSP].

Genus PHILORNIS Meinert, 1890

= *Neomusca* Malloch, 1921 = *Mesembrinellopsis* Townsend, 1927.

Philornis falsificus Dodge & Aitken, 1968. **Type locality:** Trinidad & Tobago, Bonaire road, Cunaripo. **Distribution:**

Brazil (Mato Grosso do Sul, São Paulo), Costa Rica, Ecuador, Panama, Trinidad and Tobago, Venezuela. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP].

Philornis setinervis Dodge, 1963. **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Brazil (Mato Grosso do Sul, Minas Gerais, Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 5♂♂, 5♀♀, Salesópolis, E.B. [Estação Biológica] de Boraceia, 23°38'29"S, 45°51'22"W, 14-17.i.2018, shannon (peixe e camarão) [fish and shrimp], Alvarez, Nihei & Baldassio col. [MZUSP].

Genus PSILOCHAETA Stein, 1911

= *Phyronota* Shannon & Del Ponte, 1926.

Psilochaeta pampiana Shannon & Del Ponte, 1926. **Type locality:** Argentina, Tucumán. **Distribution:** Argentina, Brazil (Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Chile. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 11♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 2♀♀, 23°39'06"S, 45°53'51"W, Shannon (800-850 m), 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP]. 1♂, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, luminosa [light trap], 23°38'29"S, 45°51'22"W, 21.iv.2012, Gudin, Dias, Dios, Alcântara, Sato & Tamakoshi col. [MZUSP].

Genus PSEUDOPTILOLEPIS Snyder, 1949

Pseudoptilolepis fulvapoda Snyder, 1949. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Argentina, Brazil (Bahia, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Nicaragua, Venezuela. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 44♂♂, 50♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 1♀, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 01.ix.2008, ativa, Nihei, Figueiredo & Leite col. [MZUSP]. 2♀♀, Est. Biol. [Estação Biológica] de Boraceia, Malaise, laboratório [laboratory], 05.vii-06.ix.1997, C.I. Yamamoto col. [MZUSP]. 1♀, Reserva [Estação Biológica] de Boraceia, Trilha dos Pilões, 23°39'05.1"S, 45°53'51.8"W, Malaise, 21-22.ii.2005

(18h00-06h00), L.K. Nogueira & A.P. Aguiar col., BIOTA FAPESP [MZUSP]. 1♀, Malaise, ponto 2, trilha [trail], 02-05. iv.2001, S.T.P. Amarante & eq. col., BIOTA FAPESP [MZUSP].

Pseudoptilolepis nigripoda Snyder, 1949. **Type locality:** Panama, Balboa. **Distribution:** Brazil (Bahia, Espírito Santo, Mato Grosso, Mato Grosso do Sul, Rio de Janeiro, São Paulo), Colombia, Costa Rica, Nicaragua, Panama, Venezuela. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 3♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP].

Subfamily COENOSIINAE Verrall, 1888

Genus BITHORACOAETA Stein, 1911

Bithoracochaeta atricornis Malloch, 1934. **Type locality:** Argentina, Viedma. **Distribution:** Argentina, Brazil (Rio de Janeiro, Minas Gerais, São Paulo, Paraná, Santa Catarina). **Reference:** Motta & Couri (1999).

Material examined: 3♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, luminosa [light trap], 23°38'29"S, 45°51'22"W, 28.vi.08, Nihei, Figueiredo & Leite col. [MZUSP]. 1♀, 14-16.iii.2008, luz [light trap], Nihei & Figueiredo col. [MZUSP]. 2♀♀, 07.i.2009, rede [sweeping], Nihei, S. col. [MZUSP]. 2♂♂, 10♀♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, iv.1962, N. Papavero col. [MZUSP]. 2♀♀, xii.1963 [MZUSP]. 1♂, 850 m, Rabello col., 16.ii.1965 [MZUSP]. 3♀♀, 17.x.63 [17.x.1963] [MZUSP]. 2♀♀, 29.ix.64 [29.ix.1964] [MZUSP]. 1♀, 04.x.68 [04.x.1968] [MZUSP]. 1♂, 2♀♀, xi.60 [xi.1960] [MZUSP]. 2♂♂, Rabello & Medeiros col., 22.xii.63 [22.xii.1963] [MZUSP]. 1♀, 22.viii.63 [22.viii.1963] [MZUSP]. 1♀, 15.viii.63 [15.viii.1963] [MZUSP]. 3♀♀, J. Oliveira Santos col., [sem data, no date] [MZUSP]. 1♀, Salesópolis, Reserva [Estação] Biológica [de] Boraceia, 23°39'05"S, 45°53'51"W, Shannon, 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP].

Bithoracochaeta leucoprocta (Wiedemann, 1830) (*Anthomyia*). **Type locality:** "Westindien". **Distribution:** Argentina, Brazil (Minas Gerais, Paraná, Rio de Janeiro, São Paulo), Colombia, Costa Rica, Cuba, Guyana, Jamaica, Mexico, Panama, Paraguay, Peru, Puerto Rico, USA, Uruguay, Venezuela. **Reference:** Couri (2005).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 850 m, Rabello col., 16.11.1965 [16.xi.1965] [MZUSP]. 1♂, 11.63 [ii.1963] [MZUSP]. 1♂, 05.iii.65 [05.iii.1965] [MZUSP]. 1♂, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 14-16.iii.2008, Ativa [sweeping], Nihei & eq. col. [MZUSP]. 1♀, luz [light trap], Nihei & eq. col. [MZUSP]. 1♂, 01.ix.2008, Ativa [sweeping], Nihei, Figueiredo & Leite col. [MZUSP]. 1♂, 08-10.xii.2007, Ativa [sweeping], Nihei, S. & Figueiredo, R. col. [MZUSP].

Bithoracochaeta nigricoxa Couri, 2005. **Type locality:** Mexico, Jalisco. **Distribution:** Brazil (Santa Catarina, São Paulo), Mexico. **Reference:** Couri (2005).

Genus CORDILUROIDES Albuquerque, 1954

Cordiluroides listrata Albuquerque, 1954 (= *C. neotropica* Albuquerque, 1954). **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, sweeping, 06-11.xi.2010, D.S. Amorim col. [MZUSP]. 1♂, 850 m, Rabello col., vi.48 [vi.1948] [MZUSP].

Cordiluroides paulistensis Couri & Gonçalves, 2002. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Genus LIMNOPHORA Robineau-Desvoidy, 1830

= *Microchylum* Macquart, 1851 = *Leucomelina* Macquart, 1851 = *Bucephalomyia* Malloch, 1918.

Limnophora aurifacies Stein, 1911. **Type locality:** Bolivia, Sorata. **Distribution:** Argentina, Brazil (Bahia, Goiás, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Bolivia, Peru. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 3♀♀, Salesópolis, Reserva [Estação] Biológica [de] Boraceia, 23°39'S 45°53'W, varredura [sweeping], 20-25.xi.2009, Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 2♀♀, sweeping, 23°39'05"S, 45°53'51"W, 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP]. 2♀♀, sweeping, 06-11. xi.2010, D.S. Amorim col., BIOTA FAPESP [MZUSP]. 8♀♀, shannon, 800-850 m, 23°39'S 45°53'W, 01-04.xii.2008, Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 1♀, shannon, 23°39'05"S, 45°53'51"W, 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP]. 1♀, Trilha dos Pilões, Malaise, 23°39'05.0"S, 45°53'52.6"W, 18-28.iv.2003, A.P. Aguiar & F.M. Rodrigues col., BIOTA FAPESP [MZUSP].

Limnophora marginipennis Stein, 1911. **Type locality:** Peru, Pichís. **Distribution:** Brazil (São Paulo), Nicaragua, Peru. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Reserva [Estação] Biológica [de] Boraceia, ii.1973, F. Val col. [MZUSP].

Comments: This is the first record of this species for Brazil.

Limnophora pura Stein, 1911. **Type locality:** Peru, Paso de Lares. **Distribution:** Argentina, Brazil (Minas Gerais,

Rio de Janeiro, São Paulo), Chile, Peru. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Limnophora saeva (Wiedemann, 1830) (*Anthomyia*). **Type locality:** “Brasilien”. **Distribution:** Argentina, Bolivia, Brazil (Distrito Federal, Espírito Santo, Goiás, Mato Grosso do Sul, Minas Gerais, Paraíba, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Costa Rica, Ecuador, Guatemala, Guyana, Mexico, Panama, Peru, Venezuela. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Genus LISPE Latreille, 1797

Lispe serotina Wulp, 1896 (= *Lispa edwardsi* Malloch, 1934). **Type locality:** Mexico, Veracruz, Atoyac. **Distribution:** Brazil (Bahia, Espírito Santo, Minas Gerais, Rio de Janeiro, Rio Grande do Sul, São Paulo), Guyana, Mexico, Paraguay, Puerto Rico. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Luz [light trap], 20-25.xi.2009, Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 2♀♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, 850 m, Rabello col., xii.47 [MZUSP].

Genus NEODEXIOPSIS Malloch, 1920

= *Choetura* Macquart, 1851 = *Xenocoenosia* Malloch, 1920 = *Austrocoenosia* Malloch, 1934 = *Macquartiopsis* Albuquerque, 1949 = *Haroldopsis* Albuquerque, 1954 = *Paradexiopsis* Albuquerque, 1955.

Neodexiopsis albisquama (Albuquerque, 1959) (*Austrocoenosia*). **Type locality:** Brazil, Rio de Janeiro, Teresópolis, Parque Nacional da Serra dos Órgãos. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 2♀♀, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, sweeping, 06-11.xi.2010, D.S. Amorim col. [MZUSP]. 2♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, luminosa [light trap], 23°38'29"S, 45°51'22"W, 21.iv.2012, Gudin, Dias, Dios, Alcantara, Sato & Tamakoshi col. [MZUSP]. 1♀, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, 01.ix.2008, Ativa [sweeping], Nihei, Figueiredo & Leite col. [MZUSP]. 4♀♀, Salesópolis, Reserva [Estação] Biológica [de] Boraceia, 23°39'05"S, 45°53'51"W, Shannon, 01-04.xii.2008, Amorim, Falaschi & Miranda, BIOTA FAPESP [MZUSP]. 2♀♀, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert, BIOTA FAPESP [MZUSP]. 3♀♀, 23°39'S 45°53'W, Varredura [sweeping], 20-25.xi.2009, Amorim, Ribeiro & Berbert, BIOTA FAPESP [MZUSP]. 1♀, Trilha dos Pilões, 23°39'04.8"S, 45°53'41.8"W, Malaise, ponto 3 – Mata [forest], 30.iii-02.iv.2001, S.T.P. Amarante e eq. col. [MZUSP]. 1♀, 23°39'05.3"S, 45°53'51.7"W, Malaise, ponto 6 – Trilha [trail], 30.iii-02.iv.2001, S.T.P. Amarante e eq.

col. [MZUSP]. 1♀, 23°39'05.3"S, 45°53'51.7"W, Malaise, ponto 6 – Mata [forest], 30.iii-02.iv.2001, S.T.P. Amarante e eq. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Neodexiopsis elegans Couri & Albuquerque, 1979. **Type locality:** Brazil, Rio de Janeiro, Petrópolis, Alto da Mosela. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Neodexiopsis paulistensis Albuquerque, 1956. **Type locality:** Brazil, São Paulo, Serra da Bocaina. **Distribution:** Brazil (Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, [Estação Biológica de] Boraceia, 24-30.jan.1952 [24-30.i.1952], L.T.F., Carrera, Vanzolini, Oiticica, Pearson col. [MZUSP]. 1♂, Salesópolis, [Estação Biológica de] Boraceia, 07-11.fev.1948 [07-11.ii.1948], E. Nevajas & L. Trav. F. & W. Bokermann col. [MZUSP]. 1♂, 1♀, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, SP, 800 m, Rabello col., vi.48. [vi.1948] [MZUSP]. 1♂, 1♀, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, SP, 850 m, Rabello col., xii.47 [xii.1947] [MZUSP]. 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, 850 m, i.1952, M. Carrera col. [MZUSP].

Neodexiopsis tinctifacies (Albuquerque, 1958) (*Austrocoenosia*). **Type locality:** Brazil, Rio de Janeiro, Petrópolis, Alto da Mosela. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 11.xi.[1]960, K. Lenko col., 850 m [MZUSP].

Neodexiopsis vulgaris Couri & Albuquerque, 1979. **Type locality:** Brazil, Rio de Janeiro, Petrópolis, Alto da Mosela. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 2♀♀, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, Sweeping, 06-11.xi.2010, D.S. Amorim col. [MZUSP]. 2♂♂, 5♀♀, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, SP, 850 m, Rabello col. viii.49 [viii.1949] [MZUSP]. 1♀, xii.47 [xii.1947] [MZUSP]. 2♀♀, vi.48 [vi.1948] [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 11.xi.[1]960, K. Lenko col., 850 m [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, 850 m, i.1952, M. Carrera col. [MZUSP]. 2♀♀, Salesópolis, [Estação Biológica de] Boraceia, 07-11.fev.1948 [07-11.ii.1948], E. Nevajas & L. Trav. F. & W. Bokermann col. [MZUSP]. 1♀, Salesópolis, Reserva [Estação] Biológica [de] Boraceia, 23°39'05"S, 45°53'51"W, Shannon, 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP].

Genus PILISPINA Albuquerque, 1954

= *Cholomyioides* Albuquerque, 1954 = *Noelia* Albuquerque, 1957 = *Levallonia* Albuquerque, 1958 = *Parvomusca* Medeiros, 1980.

Pilispina fumipennis (Albuquerque, 1954) (*Cholomyioides*). **Type locality:** Brazil, São Paulo, Salesópolis. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 2♂♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, iii.1959, N. Papavero col. [MZUSP]. 2♂♂, 24-30.i.1952, L.T.F., Carrera, Vanzolini, Oiticica, Pearson col. [MZUSP]. 1♂, 24.v.1968, A. Barroso & Trav. F. col. [MZUSP]. 1♂, Trilha Caixa d'água [water tank trail], mata [forest], 23°38'29"S, 45°51'22"W, 04-07.ix.1012, F. Gudin col. [MZUSP].

Genus STOMOPOGON Malloch, 1930

Stomopogon hirtitibia (Stein, 1911) (*Coenosia*). **Type locality:** Chile, Palca. **Distribution:** Brazil (Paraná, Rio Grande do Sul, São Paulo), Bolivia, Chile. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, Sweeping, 06-11.xi.2010, D.S. Amorim col. [MZUSP]. 1♀, Salesópolis, Est. Biol. de [Estação Biológica de] Boraceia, Varredura [sweeping], 24-28.iii.2011, Ament, D.S., Falaschi, R.L. & Riccardi, P.R. col., BIOTA FAPESP [MZUSP]. 1♀, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'01.9"S, 45°53'36"W, Malaise, ponto 1, Trilha [trail], 02-05.iv.2001, S.T.P. Amarante e eq. col., BIOTA FAPESP [MZUSP]. 2♀♀, 23°39'02.9"S, 45°53'39"W, Malaise, ponto 2, Trilha [trail], 30.iii-02.iv.2001, S.T.P. Amarante e eq. col., BIOTA FAPESP [MZUSP]. 2♀♀, 23°39'01.9"S, 45°53'36"W, Malaise, ponto 1, Trilha [trail], 30.iii-02.iv.2001, S.T.P. Amarante e eq. col., BIOTA FAPESP [MZUSP]. 2♀♀, 23°39'05"S, 45°53'42.9"W, Moericke, Trilha 6, 03-06.iv.2001, S.T.P. Amarante e eq. col., BIOTA FAPESP [MZUSP]. 1♀, 23°39'06.3"S, 45°53'49.9"W, Moericke, Trilha [trail] 10, 01-03.iv.2001, S.T.P. Amarante e eq. col., BIOTA FAPESP [MZUSP]. 1♀, 23°39'07.5"S, 45°53'41.1"W, Moericke, Bosque [woodland] 6, 03-06.iv.2001, S.T.P. Amarante e eq. col., BIOTA FAPESP [MZUSP]. 2♀♀, 23°39'04.8"S, 45°53'41.8"W, Arm. [Armadilha] Malaise, ponto 3, Trilha [trail] 02, 05.iv.2001, S.T.P. Amarante e eq. col., BIOTA FAPESP [MZUSP]. 1♀, 23°39'05.3"S, 45°53'51.7"W, Malaise, ponto 6, Trilha [trail], 30.iii-02.iv.2001, S.T.P. Amarante e eq. col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus SYLLIMNOPHORA Speiser, 1923

= *Acanthoneura* Stein, 1919.

Syllimnophora stigmatica (Lopes & Couri, 1987) (= *Heliographa*). **Type locality:** Brazil, São Paulo, Bocaina. **Distribution:** Brazil (Rio de Janeiro, São Paulo), Chile, Ecuador. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Subfamily CYRTONEURININAE Snyder, 1954 Genus CYRTONEURINA Giglio-Tos, 1893

= *Clinopera* Wulp, 1896.

Cyrtoneurina crispaseta Snyder, 1954. **Type locality:** Brazil, [Rio Grande do Norte], Natal. **Distribution:** Brazil (Amazonas, Bahia, Mato Grosso, Minas Gerais, Rio de Janeiro, Rio Grande do Norte, São Paulo), Peru. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 11.xi.1960, K. Lenko col. [MZUSP]. 1♂, Salesópolis, Est. [Estação] Biológica de Boraceia, iii.2003, margem da trilha [trail margin], J.S. Freitas & A.P. Aguiar col. [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 25.ii.1968, F. Werner & H. Reichardt col. [MZUSP]. 1♀, Salesópolis, Reserva [Estação] Biológica de Boraceia, Trilha dos Pilões, 23°39'06.3"S, 45°53'48.9"W, Malaise, trilha [trail] 5, 30.iii-02.iv.2001, S.T.P. Amarante e eq. col., BIOTA FAPESP [MZUSP].

Genus CYRTONEUROPSIS Malloch, 1925

= *Mallocharia* Curran, 1934 = *Dyadimyia* Séguay, 1937 = *Paracyrtoneurina* Pamplona, 1999.

Cyrtoneuropsis inuber (Giglio-Tos, 1893) (*Cyrtoneurina*) (= *Cyrtoneurina pellex* Giglio-Tos, 1893; = *Clinopera digramma* Wulp, 1896). **Type locality:** Mexico, Solco. **Distribution:** Argentina, Brazil (Amazonas, Pará, São Paulo), Costa Rica, El Salvador, Guatemala, Guyana, Mexico, Panama. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 44♂♂, 32♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 5♂♂, Reserva [Estação] Biológica [de] Boraceia, 23°39'05"S, 45°53'51"W, Shannon, 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP]. 1♀, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'02.9"S, 45°53'39"W, Malaise, ponto 2, trilha [trail], 30.iii-02.iv.2001, S.T.P. Amarante e eq. col., BIOTA FAPESP [MZUSP]. 1♂, 02-05.iv.2001 [MZUSP]. 1♂, 23°39'05.1"S, 45°53'51.8"W, Malaise, 25.ii.2005, 16h00-17h00, L.K. Nogueira & A.P. Aguiar col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Cyrtoneuropsis maculipennis Macquart, 1843 (= *Mydaea trita* Stein, 1911). **Type locality:** "Guyane". **Distribution:**

Bolivia, Brazil (Minas Gerais, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo), Colombia, Costa Rica, French Guiana, Nicaragua, Panama. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Cyrtoneuropsis mellina (Stein, 1918) (*Cyrtoneurina*). **Type locality:** Brazil, Santa Catarina. **Distribution:** Brazil (Bahia, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Paraguay. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Cyrtoneuropsis mimica (Snyder, 1954) (*Cyrtoneurina*). **Type locality:** Panama, Quipo. **Distribution:** Bolivia, Brazil (Minas Gerais, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo), Colombia, Costa Rica, French Guiana, Nicaragua, Panama. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Cyrtoneuropsis polystigma (Wulp, 1896) (*Clinopera*). **Type locality:** Mexico, Medellín near Vera Cruz. **Distribution:** Argentina, Brazil (Ceará, Espírito Santo, Goiás, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Pará, Pernambuco, Rio de Janeiro, Santa Catarina, São Paulo), Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Panama, Paraguay. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Cyrtoneuropsis walkeri (Pont, 1972) (*Cyrtoneurina*) (= *Anthomyia maculipennis* Walker, 1853). **Type locality:** "Brazil". **Distribution:** Brazil (Mato Grosso do Sul, Minas Gerais, Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Reserva [Estação Biológica [de] Boraceia, isca de camarão [shrimp bait], 05-06.ix.2008, S. Moraes & L. Pinheiro col. [MZUSP]. 1♂, 1♀, dung trap, 02.xii.2008, [sem coletor, unknown collector] [MZUSP]. 2♂♂, 1♀, Est. Biol. [Estação Biológica de] Boraceia, 850 m, vi.1948, Rabello col. [MZUSP]. 1♂, viii.1949 [MZUSP]. 1♂, xi.1960 [MZUSP]. 1♂, 1♀, idem, [sem data, no date] [MZUSP]. 1♂, 1♀, 30.iv-01.v.1982, FIB [MZUSP]. 1♀, iv.1962, N. Papavero col. [MZUSP]. 1♀, Salesópolis, [Estação Biológica de] Boraceia, 14.viii.1947, E. Rabello & Trav. F. & J. Lane col. [MZUSP]. 1♀, 850 m, 26-28.ii.1949, Travassos F. & Rabello col. [MZUSP]. 1♂, 1♀, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 14-16.iii.2008, luz [light trap], Nihei & equipe col. [MZUSP]. 1♂, Reserva [Estação Biológica [de] Boraceia, 23°39'06"S, 45°53'51"W, sweeping, 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP]. 1♂, Est. Biol. [Estação Biológica de] Boraceia, sweeping, 06-11.xi.2010, D.S. Amorim col. [MZUSP]. 1♂, 23°39'S 45°53'W, luz, 20-25.xi.2009, Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP].

Subfamily MUSCINAE Latreille, 1802
Genus BIOPYRELLIA Townsend, 1932

Biopyrellia bipuncta Wiedemann, 1830 (*Musca*). **Type locality:** "Brasilien". **Distribution:** Argentina, Bolivia, Bra-

zil (Amazonas, Bahia, Ceará, Distrito Federal, Espírito Santo, Goiás, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, Roraima, Santa Catarina, São Paulo), Colombia, Costa Rica, Mexico, Panama, Paraguay, Trinidad and Tobago, Venezuela. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 2♂♂, 2♀♀, Salesópolis, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 14-17.i.2018, shannon (peixe e camarão) [fish and shrimp], Alvarez, Nihei & Baldassio col. [MZUSP]. 4♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, iii.1969, N. Papavero col. [MZUSP]. 1♀, Salesópolis, [Estação Biológica de] Boraceia, 15.xii.1947, E. Rabello col. [MZUSP]. 2♂♂, 30.i.1952, L.T.F., Carrera, Vanzolini, Oiticica, Pearson col. [MZUSP].

Genus MORELLIA Robineau-Desvoidy, 1830

= *Parapyrellia* Townsend, 1915 = *Trichomorellia* Stein, 1918 = *Xenomorellia* Malloch, 1923 = *Dasymorellia* Malloch, 1923 = *Chlorellia* Shannon & Del Ponte, 1926 = *Cyacyrtoneura* Townsend, 1931 = *Chaetopyrellia* Townsend, 1932 = *Neopyrellia* Enderlein, 1935.

Morellia concacata Pamplona, 1986. **Type locality:** Brazil, Rio de Janeiro, Ilha do Governador. **Distribution:** Brazil (Espírito Santo, Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 850 m, 13.xii.2960, Rabello col. [MZUSP].

Morellia dalcyi Pamplona, 1986. **Type locality:** Brazil, São Paulo, Campinas. **Distribution:** Brazil (Bahia, Ceará, Espírito Santo, Goiás, Mato Grosso do Sul, Minas Gerais, Pará, Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo), Chile. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Morellia dendropanacis Pamplona & Couri, 1995. **Type locality:** Brazil, São Paulo, Campinas. **Distribution:** Brazil (Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Panama, Paraguay. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, [Estação Biológica de] Boraceia, 850 m, 15.i.1950, Trav., Trav. Filho & Rabello col. [MZUSP].

Morellia holti (Malloch, 1923) (*Xenomorellia*). **Type locality:** Peru [Brazil?], Alto Itatiaya, Serre do Itatiaya. **Distribution:** Brazil (Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo), Peru. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Morellia humeralis (Stein, 1918) (*Pyrellia*). **Type locality:** Brazil, Teresópolis [Rio de Janeiro], Esp. Santo; Peru; Bolivia. **Distribution:** Bolivia, Brazil (Bahia, Ceará, Espírito Santo, Goiás, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Paraíba, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo, Sergipe), Costa Rica, Ecuador, Paraguay, Peru, Venezuela. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♂, Salesópolis Est. Biol. [Estação Biológica de] Boraceia, sweeping, 06-11.xi.2010, D.S. Amorim col. [MZUSP].

Morellia montanhosa (Albuquerque, 1952) (*Xenomorellia*). **Type locality:** Brazil, Rio de Janeiro, Itatiaia, Macieira. **Distribution:** Brazil (Minas Gerais, Paraná, Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Morellia nigricosta Hough, 1900 (= *Pyrellia nitida* Stein, 1918). **Type locality:** Brazil, Mato Grosso, Chapada [dos Guimarães]. **Distribution:** Brazil (Amapá, Amazonas, Bahia, Espírito Santo, Goiás, Mato Grosso, Mato Grosso do Sul, Pará, Paraná, Rio de Janeiro, Roraima, São Paulo), Costa Rica, Guyana, Paraguay, Peru. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 2♀♀, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 14-17.i.2018, Shannon (peixe e camarão) [fish and shrimp], Alvarez, Nihei & Baldassio col. [MZUSP]. 2♀♀, [Estação Biológica de] Boraceia, 14-17.i.2018, Nihei, Alvarez & Baldassio col. [MZUSP]. 2♀♀, Est. Biol. [Estação Biológica de] Boraceia, ativa [sweeping], 23°38'29"S, 45°51'22"W, 28-29.i.2011, Nihei e equipe col. [MZUSP]. 2♀♀, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 1♀, Salesópolis Est. Biol. [Estação Biológica de] Boraceia, sweeping, 06-11.xi.2010, D.S. Amorim col. [MZUSP]. 3♀♀, Reserva [Estação] Biológica [de] Boraceia, 23°39'05"S, 45°53'51"W, Shannon, 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP]. 1♀, Salesópolis, E.B. [Estação Biológica de] Boraceia, 24-28.iii.2011, diurno [daytime] [MZUSP].

Morellia nigritibia (Snyder, 1949) (*Dasymorellia*). **Type locality:** Colombia, Medellín. **Distribution:** Brazil (São Paulo), Colombia. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 11.xi.1960, K. Lenko col. [MZUSP].

Comments: This is the first record of this species for Brazil.

Morellia obscuripes (Bigot, 1887) (*Pyrellia*). **Type locality:** "Mexique". **Distribution:** Argentina, Brazil (Ceará, Goiás, Mato Grosso do Sul, Mato Grosso, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Cuba, Ec-

uador, Mexico, Puerto Rico. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Morellia violacea (Robineau-Desvoidy, 1830) (*Pyrellia*) (= *Pyrellia flavicornis* Macquart, 1848 = *Pyrellia ochrifacies* Rondani, 1850 = *Pyrellia rufipalpis* Macquart, 1851 = *Pyrellia facilis* Walker, 1858 = *Cyrtoneura brevis* Schiner, 1868 = *Pyrellia chloe* Bigot, 1878 = *Pyrellia iris* Bigot, 1878 = *Pyrellia aconquija* Shannon & Del Ponte, 1926 = *Pyrellia cyanea* Townsend, 1931). **Type locality:** "Brésil". **Distribution:** Argentina, Brazil (Amapá, Bahia, Espírito Santo, Goiás, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Colombia, Costa Rica, Ecuador, Jamaica, Mexico, Paraguay, Peru, Venezuela. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Genus POLIETINA Schnabl & Dziedzicki, 1911

= *Poecilophaonia* Malloch, 1921 = *Smithomyia* Malloch, 1921 = *Chaetypopleura* Enderlein, 1927 = *Lasiomala* Enderlein, 1927.

Polietina bicolor Albuquerque, 1956. **Type locality:** Brazil, Rio de Janeiro, Tingua. **Distribution:** Brazil (Mato Grosso, Paraná, Rio de Janeiro, São Paulo), Paraguay. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 1♀, Salesópolis, Est. [Estação] Biológica de Boraceia, 23°38'55.0"S, 45°52'49,3"W, 09-15.i.2003, 867 m, Trilha do Poço Verde, área fechada [dense forest area], Malaise pt 1 [ponto 1, point 1], A.C.C. Macedo & J.S. Freitas col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Polietina orbitalis (Stein, 1904) (*Aricia*). **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Argentina, Brazil (Bahia, Distrito Federal, Espírito Santo, Goiás, Maranhão, Mato Grosso do Sul, Mato Grosso, Minas Gerais, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Rondônia, Santa Catarina, São Paulo), Bolivia, Colombia, Paraguay, Peru. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 8♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 1♀, Salesópolis Est. Biol. [Estação Biológica de] Boraceia, Sweeping, 06-11.xi.2010, D.S. Amorim col. [MZUSP]. 1♀, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'06.3"S, 45°53'48.9"W, Malaise, trilha pto 5 [trail point 5], 30.iii-02.iv.2001, S.T.P. Amarante & eq. col., BIOTA FAPESP [MZUSP]. 1♀, 23°39'05,3"S, 45°53'51,7"W, Malaise, pto [point] 6,

mata [forest], 30.iii-02.iv.2001, S.T.P. Amarante & eq. col., BIOTA FAPESP [MZUSP]. 1♀, 23°39'05.8"S, 45°53'44.6"W, Malaise, pto [point] 4, mata [forest], 30.iii-02.iv.2001, S.T.P. Amarante & eq. col., BIOTA FAPESP [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Trilha castelinho, mata aberta [open forest área], 23°38'29"S, 45°51'22"W, 04-07.ix.2012, F. Gudin col. [MZUSP]. 1♀, ii.1972, J.H. Guimarães col. [MZUSP]. Reserva [Estação] Biológica [de] Boraceia, mata [forest], 01-04.ii.1973, F. Val col. [MZUSP].

Polietina prima (Couri & Machado, 1990) (*Cyrtoneurina*) (= *Cyrtoneurina nigra* Couri & Carvalho, 1996). **Type locality:** Brazil, Rio de Janeiro, Parque Nacional da Tijuca. **Distribution:** Brazil (Amazonas, Bahia, Maranhão, Pará, Paraná, Pernambuco, Rio de Janeiro, Rondônia, Roraima, São Paulo), Costa Rica, Panama, Peru, Trinidad and Tobago. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'05.3"S, 45°53'51.7"W, Moericke, bosque [woodland] 11, 03-06.iv.2001, S.T.P. Amarante & eq. col., BIOTA FAPESP [MZUSP]. 3♀♀, 23°39'07.8"S, 45°53'53.2"W, Moericke, bosque [woodland] 12 [MZUSP]. 1♀, 23°39'07"S, 45°53'41.8"W, Moericke, bosque [woodland] 5 [MZUSP]. 2♀♀, 23°39'07.9"S, 45°53'50"W, Moericke, bosque [woodland] 10 [MZUSP]. 1♀, 23°39'01.9"S, 45°53'36"W, Malaise, ponto [point] 1, trilha [trail], 30.iii-02.iv.2001 [MZUSP]. 1♀, [Estação Biológica de] Boraceia, 24-30.i.1952, L.T.F., Carrera, Vanzolini, Oiticica & Pearson col. [MZUSP].

Polietina univittata Couri & Carvalho, 1996. **Type locality:** Brazil, Paraná. **Distribution:** Argentina, Brazil (Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Genus SARCOPROMUSCA Townsend, 1927

Sarcopromusca pruna (Shannon & Del Ponte, 1926) (*Orthellia*). **Type locality:** Argentina, Jujuy, Calilegua. **Distribution:** Argentina, Brazil (Bahia, Espírito Santo, Mato Grosso do Sul, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Bolivia, Costa Rica, Guatemala, Nicaragua, Paraguay. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 10♀♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 850 m, xi.1962, Rabello col. [MZUSP]. 1♀, xii.1947 [MZUSP].

Subfamily MYDAEINAE Verrall, 1888

Genus GRAPHOMYA Robineau-Desvoidy, 1830

Graphomya podexaurea Enderlein, 1935. **Type locality:** Chile, Cordillera, Contulmo & Rengo. **Distribution:** Brazil (Paraná, São Paulo), Chile. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Reserva [Estação] Biológica de Boraceia, 25°22'15.8"S, 44°07'19.0"W, Trilha dos Pilões, ao longo do curso d'água [along the water-course], 19-22.iv.2003, bandejas amarelas [yellow pan traps], A.P. Aguiar & equipe col. [MZUSP].

Genus GYMNODIA Robineau-Desvoidy, 1863

= *Brontaea* Kowarz, 1873 = *Brachiophyra* Giglio-Tos, 1893.

Gymnodia debilis (Williston, 1896) (*Limnophora*) (= *Eulimnophora dorsovittata* Malloch, 1920 = *Gymnodia scatophaga* Curran, 1938). **Type locality:** St. Vincent. **Distribution:** Cosmopolitan species distributed in the Neotropics from Mexico to Argentina, Brazil (Bahia, Mato Grosso do Sul, Mato Grosso, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Roraima, Santa Catarina, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, [Estação Biológica de] Boraceia, 07-11.ii.1948, E. Navajas & L. Trav. F. & W. Borkermann col. [MZUSP].

Gymnodia quadristigma (Thomson, 1869) (*Anthomyia*) (= *Eulimnophora cilifera* Malloch, 1920). **Type locality:** Ecuador, Puna. **Distribution:** Cosmopolitan species distributed in the Neotropics from Mexico to Brazil (São Paulo), Argentina, and Chile. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, 11.xi.1960, K. Lenko col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus MYOSPILA Rondani, 1856

Myospila obscura (Shannon & Del Ponte, 1926) (*Muscina*). **Type locality:** Argentina, Buenos Aires. **Distribution:** Argentina, Brazil (Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Peru. **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, Sweeping, 06-11.xi.2010, D.S. Amorim col. [MZUSP]. 2♀♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, Shannon (800-850 m), [sem data, no date], Amorim, Ribeiro & Berbert col., BIOTA FAPESP [MZUSP]. 1♀, sweeping, 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP]. 1♀, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'05.1"S, 45°53'51.8"W, Malaise, 26.ii.2005 (09h00-10h00), L.K. Nogueira & A.P. Aguiar col., BIOTA FAPESP [MZUSP]. 1♀, Reserva [Estação] Biológica [de] Boraceia, Trilha caixa d'água [water tank trail], mata [forest], 23°38'29"S, 45°51'22"W, Malaise, 04-07.ix.2012, Gudin, F. col. [MZUSP].

Subfamily PHAONIINAE Malloch, 1917
Genus DOLICHOPHAONIA Carvalho, 1993

Dolichophaonia catharinensis (Carvalho, 1983) (*Phaonia*). **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Argentina, Brazil (Paraná, Santa Catarina, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, Malaise, laboratório [laboratory], 05.vii-06.iv.1997, C.I. Yamamoto col. [MZUSP].

Genus HELINA Robineau-Desvoidy, 1830

= *Ariciella* Malloch, 1918 = *Xenothoracochaeta* Malloch, 1921 = *Tritonidis* Séguéy, 1937 = *Airalips* Snyder, 1949.

Helina albuquerquei Pont, 1972. **Type locality:** Brazil, Rio de Janeiro, Teresópolis, Parque Nacional da Serra dos Órgãos. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'S 45°53'W, varredura [sweeping], 20-25.xi.2009, Amorim, Ribeiro & Berbert col. BIOTA FAPESP [MZUSP]. 1♀, Reserva [Estação] Biológica [de] Boraceia, 23°39'06"S, 45°53'51"W, sweep- ing, 01-04.xii.2008, Amorim, Falaschi & Miranda col., BIOTA FAPESP [MZUSP]. 1♀, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 14-17.i.2018, shan- non (peixe e camarão) [fish and shrimp], Alvarez, Nihei & Baldassio col. [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, ativa [sweeping], 23°38'29"S, 45°51'22"W, 07.ix.2008, P. Leite col. [MZUSP]. 1♀, 850 m, 13.vii.1961, Medeiros col. [MZUSP]. 2♀, Trilha castelinho, mata [for- est], 23°38'29"S, 45°51'22"W, 04-07.ix.2012, F. Gudin col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Helina auricolis Albuquerque, 1980. **Type locality:** Bra- zil, Santa Catarina, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♀, Salesópolis, E.B. [Estação Biológica de] Boraceia, 03.2010 [iii.2010], Kawada, Biffi, Ramon col. [MZUSP]. 1♀, Reserva [Estação] Biológica [de] Bora- ceia, Trilha dos Pilões, 23°39'07.8"S, 45°53'53.2"W, Moer- icke, bosque [woodland] 12, 03-06.iv.2001, S.T.P. Amarante & eq. col. BIOTA FAPESP [MZUSP]. 1♀, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'05.3"S, 45°53'52.8"W, Moericke, trilha [trail] 12, 01-03.iv.2001, S.T.P. Amarante & eq. col., BIOTA FAPESP [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Helina marginipennis (Stein, 1904) (*Spilogaster*). **Type locality:** Colombia, Cordillera. **Distribution:** Bolivia, Brazil (São Paulo), Colombia, Peru. **Reference:** Löwen- berg-Neto & de Carvalho (2013).

Helina praecipua (Walker, 1853) (*Anthomyia*) (= *Anthomyia unicolor* Walker, 1853 = *Aricia ignava* Walk- er, 1858 = *pleuraseta* Snyder, 1940). **Type locality:** "Bra- zil". **Distribution:** Argentina, Brazil (Amapá, Goiás, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Material examined: 1♂, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 28.vi.2008, ativa [sweeping], Nihei, Figueiredo & Andrade col. [MZUSP]. 1♂, E.B. [Estação Biológica de] Boraceia, Trilha Castelinho, 23°38'29"S, 45°51'22"W, 31.iii-01.iv.2017, luminosa [light trap], Alvarez & Nihei col. [MZUSP]. 1♂, 1♀, Trilha cachoe- ira, 16-19.ii.2017, red. entomol. [rede entomológica, sweep net], Alvarez, Pereira & Nihei col. [MZUSP]. 1♂, Est. Biol. [Estação Biológica de] Boraceia, Trilha caixa d'água [water tank trail], mata [forest], 23°38'29"S, 45°51'22"W, 04-07.ix.2012, F. Gudin col. [MZUSP]. 1♀, Est. Biol. [Es- tação Biológica de] Boraceia, sweeping, 06-11.xi.2010, D.S. Amorim col. [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Trilha Castelinho, mata [forest], 23°38'29"S, 45°51'22"W, 04-07.ix.2012, F. Gudin col. [MZUSP]. 1♀, Es- tação Biológica [de] Boraceia 23°38'29"S, 45°51'22"W, Malaise, 01.ix-23.x.2008, Fernandes col. [MZUSP]. 1♀, Est. Biol. Boraceia, 23°38'29"S, 45°51'22"W, 26-27.ii.2011, R. Melo col. [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, 850 m, vi.1948, Rabello col. [MZUSP].

Genus PHAONIA Robineau-Desvoidy, 1830

= *Bigotomyia* Malloch, 1921 = *Pseudomyiospila* Vimmer, 1939.

Phaonia advena Snyder, 1957. **Type locality:** Argentina, Tucumán, Burreyacu, V. Padre Monti. **Distribution:** Ar- gentina, Brazil (Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013); Nihei et al. (2021).

Material examined: 1♀, Salesópolis, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'05.8"S, 45°53'44.6"W, Malaise, ponto [point] 4, trilha [trail], 30.iii-02.iv.2001, S.T.P. Amarante e eq. col. [MZUSP]. 1♀, 23°39'04.8"S, 45°53'41.8"W, Malaise, ponto [point] 3, trilha [trail] [MZUSP]. 1♀, 23°39'06.3"S, 45°53'51.7"W, Malaise, ponto [point] 6, trilha [trail] [MZUSP]. 2♀♀, 23°39'01.9"S, 45°53'36"W, Malaise, ponto [point] 1, Trilha [trail], 02-05.iv.2001 [MZUSP].

Phaonia grandis (Couri, 1982) (*Cyrtoneurina*). **Type locality:** Brazil, Rio de Janeiro, Petrópolis, Alto da Mosela. **Distribution:** Brazil (Rio de Janeiro, São Paulo), Ecuador. **Reference:** Löwenberg-Neto & de Carvalho (2013); Nihei et al. (2021).

Material examined: 1♀, Salesópolis, Reserva [Estação] Biológica [de] Boraceia, Trilha dos Pilões, 23°39'05.8"S, 45°53'44.6"W, Malaise, ponto [point] 4, trilha [trail], 30.iii-02.iv.2001, S.T.P. Amarante e eq. col. [MZUSP]. 1♀, 23°39'04.8"S, 45°53'41.8"W, Malaise, ponto [point] 3, trilha [trail] [MZUSP]. 1♀, 23°39'06.3"S, 45°53'51.7"W, Malaise, ponto [point] 6, trilha [trail] [MZUSP]. 1♀, 23°39'01.9"S, 45°53'36"W, Malaise, ponto [point] 1, Trilha [trail], 02-05. iv.2001 [MZUSP]. 1♀, 23°39'01.9"S, 45°53'36"W, Malaise, ponto [point] 1, Trilha [trail], 30.iii-02.iv.2001 [MZUSP].

Phaonia similata (Albuquerque, 1957) (*Bigotomyia*) (= *Bigotomyia vulgata* Albuquerque & Medeiros, 1980). **Type locality:** Brazil, Rio de Janeiro, Jussaral, Angra dos Reis. **Distribution:** Brazil (Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Löwenberg-Neto & de Carvalho (2013).

Phaonia trispila (Bigot, 1885) (*Spilogaster*) (= *Bigotomyia nigra* Albuquerque & Medeiros, 1980). **Type locality:** "Buenos-Ayres", Argentina. **Distribution:** Argentina, Brazil (Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Venezuela, Uruguay. **Reference:** Löwenberg-Neto & de Carvalho (2013).

CALLIPHORIDAE Brauer & Bergenstamm, 1889
Subfamily LUCILIIDAE Shannon, 1923
Tribe LUCILIINI Shannon, 1923
Genus LUCILIA Robineau-Desvoidy, 1830

Lucilia japuhybensis (Mello, 1961) (*Phaenicia*). **Type locality:** Brazil, Rio de Janeiro, Angra dos Reis, Japuhyba. **Distribution:** Brazil (Paraná, Rio de Janeiro, Rondônia, Santa Catarina, São Paulo). **Reference:** Whitworth (2014).

Lucilia vulgata Whitworth, 2014. **Type locality:** Brazil, São Paulo, Guarulhos. **Distribution:** Argentina, Bolivia, Brazil (Espírito Santo, Minas Gerais, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia, Peru, Venezuela. **Reference:** Whitworth (2014).

RHINOPHORINAE Robineau-Desvoidy, 1863
Genus SHANNONIELLA Townsend, 1939

Shannoniella cuspidata Townsend, 1939. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo). **Reference:** Nihei *et al.* (2016).

Genus TRYPETIDOMIMA Townsend, 1935

Trypetidomima lutea Townsend, 1935. **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo). **Reference:** Nihei & Andrade (2014).

Trypetidomima fusca Nihei & Andrade, 2014. **Type locality:** Brazil, São Paulo, Santo André, Paranaipacaba.

Distribution: Brazil (São Paulo). **Reference:** Nihei & Andrade (2014).

MESEMBRINELLIDAE Shannon, 1926
Subfamily LANEELLINAE Guimarães, 1977
Genus LANEELLA Mello, 1967

Laneella nigripes Guimarães, 1977. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Bahia, Espírito Santo, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Paraguay. **References:** Guimarães (1977c); Whitworth & Yusseff-Vanegas (2019).

Subfamily MESEMBRINELLINAE Shannon, 1926
Genus MESEMBRINELLA Giglio-Tos, 1893

Mesembrinella aeneiventris (Wiedemann, 1830) (*Huascaromusca*). **Type locality:** Brazil. **Distribution:** Brazil (Bahia, Rio de Janeiro, São Paulo), Colombia, Costa Rica, Ecuador, Panama, Peru. **References:** Guimarães (1977c); Whitworth & Yusseff-Vanegas (2019).

Mesembrinella bicolor (Fabricius, 1805) (= *Musca bicolor* Fabricius, 1805). **Type locality:** "America Meridionalis". **Distribution:** Neotropics (except Argentina and Chile); Brazil (Acre, Amapá, Amazonas, Bahia, Espírito Santo, Goiás, Maranhão, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Pará, Pernambuco, Piauí, Rio de Janeiro, Rondônia, Roraima, São Paulo, Tocantins). **Reference:** Whitworth & Yusseff-Vanegas (2019).

Material examined: 1♀, BRASIL, SP, Salesópolis, Estação Biológica de Boraceia, 27-I-01-III-2002, S.A. Casari, I.B. Tranchi col. [MZUSP]. 1♂, 1♀, BRASIL, SP, Salesópolis, Estação Biológica de Boraceia, 23°39'57.9"S, 45°53'56.4"W, [sem data, no date], Shannon, Amorim, Ribeiro & Berbert [MZUSP].

Mesembrinella bellardiana Aldrich, 1922. **Type locality:** Brazil, Espírito Santo. **Distribution:** Argentina, Bolivia, Brazil (Amazonas, Bahia, Distrito Federal, Espírito Santo, Goiás, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Pará, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Rondônia, Santa Catarina, São Paulo, Tocantins), Colombia, Ecuador, French Guiana, Paraguay, Peru, Suriname, Venezuela. **References:** Guimarães (1977c); Whitworth & Yusseff-Vanegas (2019).

Mesembrinella latifrons (Mello, 1967) (*Albuquerquea*). **Type locality:** Brazil, Rio de Janeiro, Petrópolis. **Distribution:** Brazil (Distrito Federal, Minas Gerais, Rio de Janeiro, São Paulo). **References:** Guimarães (1977c); Whitworth & Yusseff-Vanegas (2019).

Mesembrinella peregrina Aldrich, 1922. **Type locality:** Brazil, Espírito Santo. **Distribution:** Brazil (Distrito Federal, Espírito Santo, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **References:** Guimarães (1977c); Whitworth & Yusseff-Vanegas (2019).

Mesembrinella purpurata (Aldrich, 1922) (*Huascaromusca*). **Type locality:** Brazil, Espírito Santo. **Distribution:** Brazil (Bahia, Espírito Santo, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Ecuador, Peru. **References:** Guimarães (1977c); Whitworth & Yusseff-Vanegas (2019).

Mesembrinella semihyalina Mello, 1967. **Type locality:** Brazil, Espírito Santo, Parque Sooretama. **Distribution:** Brazil (Alagoas, Espírito Santo, Rio de Janeiro, Rondônia, São Paulo). **References:** Toma & Carvalho (1995); Kosmann et al. (2013); Whitworth & Yusseff-Vanegas (2019).

Material examined: 1♀: BRASIL, SP, Salesópolis, Reserva [Estação] Biológica [de] Boraceia, 23°39'57.9"S, 45°53'56.4"W, Trilha dos Pilões, 869 m, Malaise, 09-15.i.2003, ACC Macedo & JS Freitas col. [MZUSP].

SARCOPHAGIDAE Macquart, 1834

Subfamily SARCOPHAGINAE Macquart, 1834

Genus ENGELIMYIA Lopes, 1975

Engelimyia bosqi (Blanchard, 1939) (= *Paraphrissopoda bosqi* Blanchard, 1939). **Type locality:** Argentina, Misiones. **Distribution:** Argentina, Brazil (Rio de Janeiro, São Paulo). **Reference:** Pape & Mello-Patiu (2006).

Material examined: 1♂, MNRJ-ENT1-31884: BRASIL, SP, Biritiba Mirim Dis. [Distrito], Estação Biológica da [de] Boraceia, Biolo. [Biologia e] Sistema [Sistemática de] Orthoptera [collected during a field trip], 12-14.x.2016, Luz [light trap] [MNRJ].

Genus LEPIDODEXIA Brauer & Bergenstamm, 1891

Subgenus CHLOROSARCOPHAGA Townsend, 1919

Lepidodexia (Chlorosarcophaga) cochliomyia (Townsend, 1919). **Type locality:** Panama, Canal Zone, Upper Chagres River. **Distribution:** Bolivia, Brazil (São Paulo), Colombia, Panama. **Reference:** Pape (1996).

Subgenus CHILOPODOMYIA Lopes & Tibana, 1984

Lepidodexia (Chilopodomyia) boraceana (Lopes & Tibana, 1984). **Type locality:** Brazil, São Paulo, Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Pape (1996).

Lepidodexia (Chilopodomyia) major (Lopes, 1993). **Type locality:** Brazil, São Paulo, Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Pape (1996).

Subgenus ORODEXIA Townsend, 1927

Lepidodexia (Orodexia) opima (Wiedemann, 1830) (= *Sarcophaga opima* Wiedemann, 1830 = *Orodexia ornata* Townsend, 1927). **Type locality:** Brazil ["Brasilien"].

Distribution: Brazil (Amapá, Bahia, Ceará, Minas Gerais, Pernambuco, Rio de Janeiro, São Paulo). **Reference:** Pape (1996).

Genus LIPOPTILOCNEMA Townsend, 1934

= *Lahillemyia* Blanchard, 1939 = *Eumicrocerella* Hall, 1938 = *Parapeltopyga* Blanchard, 1939.

Lipoptilocnema crispina (Lopes, 1938) (= *Sarcophaga crispina* Lopes, 1938). **Type locality:** Brazil, Rio de Janeiro. **Distribution:** Argentina, Brazil (Ceará, Espírito Santo, Mato Grosso, Minas Gerais, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Mulieri et al. (2017).

Lipoptilocnema lanei (Townsend, 1934) (= *Parapeltopyga liguloides* Blanchard, 1939). **Type locality:** Brazil, São Paulo, Pinheiros. **Distribution:** Argentina, Brazil (Distrito Federal, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Mulieri et al. (2017).

Genus MICROCERELLA Macquart, 1851

= *Doringia* Weyenbergh, 1875 = *Euparaphyto* Townsend, 1912 = *Xenoppia* Townsend, 1915 = *Camptopyga* Aldrich, 1916 = *Hypopelta* Aldrich, 1916 = *Aulacophyto* Townsend, 1919 = *Gymnopsoa* Townsend, 1919 = *Catheteronychia* Townsend, 1927 = *Xanthobrachycoma* Townsend, 1927 = *Townsendmyia* Prado & Fonseca, 1932 = *Alaccoprosopa* Townsend, 1934 = *Austrohartigia* Townsend, 1937 = *Microcerellamyia* Hall, 1937 = *Itiophyto* Hall, 1937 = *Mimophytomyia* Hall, 1937 = *Phaesarcodexia* Hall, 1937 = *Scopaediscus* Blanchard, 1939 = *Boettcherimima* Lopes, 1950 = *Parahypopelta* Blanchard, 1955 = *Chapiniola* Dodge, 1965 = *Steatopyga* Dodge, 1965 = *Boetia* Dodge, 1965 = *Xenopiella* Blanchard, 1966 = *Azuayia* Dodge, 1967 = *Borgmeierisca* Lopes, 1972 = *Townsendisca* Lopes, 1974 = *Xenoppina* Lopes, 1975 = *Aulacophytoides* Lopes, 1978 = *Jujuyia* Lopes, 1980 = *Mallochisca* Lopes, 1982 = *Penaisca* Lopes, 1982 = *Cuzcomyia* Lopes, 1982 = *Carchia* Lopes, 1982.

Microcerella wygodzinskyi (Lopes, 1954) (= *Xanthobrachycoma wygodzinskyi* Lopes, 1954). **Type locality:** Brasil, Rio de Janeiro, Teresópolis, Parque Nacional da Serra dos Órgãos. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Pape (1996).

Material examined: 1♂, MZUSP 382: BRASIL, SP, Salesópolis, E.B. Boraceia, viii. 1969, N. Papavero col. [MZUSP].

Genus OXYSARCODEXIA Townsend, 1917

= *Dasyproctia* Enderlein, 1928 = *Hybopygia* Enderlein, 1928 = *Amesothyrus* Enderlein, 1928

= *Apelophyla* Hall, 1938 = *Xarcophaga* Dodge, 1968
= *Asioboettcheria* Verves, 2001.

Oxysarcodexia admixta (Lopes, 1933) (= *Sarcophaga admixta* Lopes, 1933). **Type locality:** Brazil, Rio de Janeiro, Angra dos Reis. **Distribution:** Argentina, Brazil (Distrito Federal, Espírito Santo, Goiás, Maranhão, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **References:** Souza et al. (2020); Madeira-Ott et al. (2022).

Oxysarcodexia culmiforceps Dodge, 1966. **Type locality:** Brazil, Rio de Janeiro, Rio de Janeiro. **Distribution:** Argentina, Brazil (Distrito Federal, Espírito Santo, Minas Gerais, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Paraguay, Uruguay. **Reference:** Souza et al. (2020).

Oxysarcodexia digitata Menezes, Santos & Mello-Patiu, 2020. **Type locality:** Brazil, Rio de Janeiro, Itatiaia, Parque Nacional do Itatiaia. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Menezes et al. (2020).

Oxysarcodexia injuncta (Walker, 1858) (= *Sarcophaga injuncta* Walker, 1858 = *Oxysarcodexia plaumanni* Lopes, 1946). **Type locality:** Brazil. **Distribution:** Brazil (Amazonas, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Souza et al. (2020).

Oxysarcodexia insolita Lopes, 1946. **Type locality:** Guyana, Esequibo River, Moraballi Creek. **Distribution:** Brazil (Pará, São Paulo), Ecuador, Guyana, Mexico, Trinidad and Tobago. **Reference:** Souza et al. (2020).

Oxysarcodexia paulistanensis (Mattos, 1919) (= *Sarcophaga paulistanensis* Mattos, 1919 = *Oxysarcodexia amarali* Prado & Fonseca, 1932 = *Oxysarcodexia delpontei* Blanchard, 1939 = *Oxysarcodexia artigasi* Dodge, 1966). **Type locality:** Brazil, São Paulo. **Distribution:** Argentina, Brazil (Distrito Federal, Goiás, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Chile, Uruguay. **Reference:** Souza et al. (2020).

Genus PECKIA Robineau-Desvoidy, 1830 Subgenus PATTONELLA Enderlein, 1928

Peckia (Pattonella) resona (Lopes, 1935) (= *Sarcophaga resona* Lopes, 1935 = *Pattonella dangeloi* Blanchard, 1938). **Type locality:** Brazil, São Paulo. **Distribution:** Argentina, Bolivia, Brazil (Mato Grosso, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **References:** Buenaventura & Pape (2013); Madeira-Ott et al. (2022).

Material examined: 1♂, MNRJ-ENT1-32123: BRASIL, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 14-17.i.2018, Shannon (peixe e camarão) [fish and shrimp], Alvarez, D., Nihei, S. & Baldassio, L. cols. [MNRJ].

Genus SINOPIELLA Lopes & Tibana, 1982

Sinopiella rufopilosa Lopes & Tibana, 1982. **Type locality:** Brazil, Mato Grosso, Sinop. **Distribution:** Brazil (Mato Grosso, São Paulo), Colombia, Ecuador. **References:** Pape (1996); Pape et al. (2004).

Material examined: 1♂, MNRJ-ENT1-32121: BRASIL, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 14-17.i.2018, Shannon (peixe e camarão) [fish and shrimp], Alvarez, D., Nihei, S. & Baldassio, L. cols. [MNRJ].

TACHINIDAE Robineau-Desvoidy, 1830

Subfamily DEXIINAE Macquart, 1834

Tribe CORDYLIGASTERINI Townsend, 1914

Genus NEOEUANTHA Townsend, 1931

Neoeuantha aucta (Wiedemann, 1830) (*Dexia*). **Type locality:** Brazil. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo), Paraguay, Peru. **Reference:** Guimarães (1982); O'Hara et al. (2020).

Genus NEOSOPHIA Guimarães, 1982

Neosophia elongata Guimarães, 1982. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo). **Reference:** Guimarães (1982).

Material examined: 1♂, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 13.iv.2008, ativa [sweeping], Nihei, S., Figueiredo, R., Andrade, M., Fernandes, F., Gonçalves, R. [MZUSP].

Tribe DEXIINI Macquart, 1834

Genus BILLAEA Robineau-Desvoidy, 1830

= *Theresia* Robineau-Desvoidy, 1830 = *Omalogaster* Macquart, 1834 = *Gigamyia* Macquart, 1844 = *Homalogaster* Agassiz, 1846 (unjustified emendation) = *Sirostoma* Rondani, 1862 = *Omalostoma* Rondani, 1862 = *Billea* Rondani, 1862 (unjustified emendation) = *Asbella* Robineau-Desvoidy, 1863 = *Nicaea* Robineau-Desvoidy, 1863 = *Arenia* Robineau-Desvoidy, 1863 = *Atropidomyia* Brauer & Bergenstamm, 1889 = *Sardiocera* Brauer & Bergenstamm, 1889 = *Tropidomyia* Brauer & Bergenstamm, 1889 = *Gymnobasis* Brauer & Bergenstamm, 1889 = *Rhynchodineria* Brauer & Bergenstamm, 1889 = *Paraprosena* Brauer & Bergenstamm, 1889 = *Myxodexia* Brauer & Bergenstamm, 1891 = *Gymnodexia* Brauer & Bergenstamm, 1891 = *Neotropidomyia* Townsend, 1891 = *Homalostoma* Bezzi & Stein, 1907 (unjustified emendation) = *Eutheresia* Townsend, 1911 (*nomen*

nudum) = *Eutheresia* Townsend, 1912 = *Paratheresia* Townsend, 1915 = *Theresiopsis* Townsend, 1916 = *Amphiboliopsis* Townsend, 1926 = *Bathytheresia* Townsend, 1928 = *Philotrichostylum* Townsend, 1933 = *Parabillaea* Blanchard, 1937 = *Chaetobillaea* Mesnil, 1976.

Billaea claripalpis (Wulp, 1895) (*Sarcophaga*) (= *Paratheresia signifera* Townsend, 1915 = *Paratheresia brasiliensis* Townsend, 1917 = *Sarcophaga diatraeae* Brèthes, 1927 = *Bathytheresia bassleri* Townsend, 1929 = *Paratheresia pernambucensis* Townsend, 1939 = *Paratheresia argenteaurea* Townsend, 1939). **Type locality:** Mexico, Guerrero, Chilpancingo. **Distribution:** Argentina, Bolivia, Brazil (Alagoas, Goiás, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Pará, Paraná, Pernambuco, Rio de Janeiro, Rio Grande do Norte, Rio Grande do Sul, Santa Catarina, São Paulo), Colombia, Dominican Republic, Ecuador, Guadeloupe, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, Uruguay, USA, Venezuela. **References:** Guimarães (1977b); O'Hara et al. (2020).

Genus DAETALEUS Aldrich, 1928

= *Zuanalia* Curran, 1934.

Daetaleus purpureus Aldrich, 1928. **Type locality:** "Brazil". **Distribution:** Brazil (São Paulo). **Reference:** Aldrich (1928).

Material examined: 1♂, BR. S.P., Salesópolis, [Estação Biológica de] BORACEIA 7.11.1948 [07.xi.1948], L. Trav. & A.P. Santos & L.T.F. & E. Rabello [MZUSP]. 1♂, S. Paulo, [Estação Biológica de] Boraceia, L. Trav. F.º & E. Rab., iii.1949 [MZUSP]. 1♂, Salesópolis [Estação Biológica de] (Boraceia) S.P., 850 M, 27/30-4-949 [27-30.iv.1949], Travassos F., Rabello & Barretto col. [MZUSP]. 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, SP, Brasil vi.1968, J. Oliveira col. [MZUSP]. 1♂, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, SP, 850 m, J. Oliveira Santos col., 14.iii.1968 [MZUSP]. 1♂, Salesópolis [Estação Biológica de] (Boraceia), S. Paulo, Rabello, Travassos Filho & Gaeta col. 9.5.948 [09.v.1948] [MZUSP]. 1♂, Est. Biol [Estação Biológica de] Boraceia, Salesópolis, S.P., 26.iv.1965, J.H. Guimarães col. [MZUSP]. 2♂, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, S.P., 850 m, 12.abril.1960 [12.iv.1960], L.T.F. [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis – S. Paulo, Brasil, viii.1966, Exp. Dep. Zool. [Expedição Departamento de Zoologia, Department of Zoology Expedition] [MZUSP]. 4♂♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis – SP, Brasil, 02.iv.1968, N. Papavero col. [MZUSP]. 1♂, Est. Biol. [Estação Biológica de] [Estação Biológica de] Boraceia, Salesópolis – SP, 850 m, 24.iii.1965, Rabello col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus EUDEXIA Brauer & Bergenstamm, 1889

= *Chaetocalirrhoe* Townsend, 1935 = *Cordillerodexia* Townsend, 1927.

Eudexia formidabilis (Bigot, 1889) (*Rhamphinina*) (= *E. goliath* Brauer & Bergenstamm, 1889 = *E. nemorina* Schiner in Brauer & Bergenstamm, 1891 (*nomen nudum*)). **Type locality:** "Mexico". **Distribution:** Brazil (São Paulo), Costa Rica, Mexico, Nicaragua, Venezuela. **Reference:** O'Hara et al. (2020).

Material examined: 1♂, BR. SP., Salesópolis, [Estação Biológica de] BORACEIA 12-17-Jan-1948 [12-17.i.1948], L. Trav F. & D. Braz [MZUSP].

Comments: This is the first record of this species for Brazil.

Genus PROPHOROSTOMA Townsend, 1927

Prophorostoma pulchra Townsend, 1927. **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Brazil (Minas Gerais, Santa Catarina, São Paulo). **Reference:** Nihei & Pansonato (2006).

Genus PTILODEXIA Brauer & Bergenstamm, 1889

= *Clinoneura* Brauer & Bergenstamm, 1889 = *Myoceropsis* Townsend, 1915 = *Neomyostoma* Townsend, 1935.

Ptilodexia striata (Wulp, 1891) (*Rhynchodexia*). **Type locality:** Panama, Chiriquí, Volcan de Chiriquí. **Distribution:** Brazil (São Paulo), Panama. **Reference:** Santis & Couri (2024).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis – S.P. [São Paulo], Brasil, fev.1993 [ii.1993], F.C. Val col. [MZUSP].

Comments: This is the first record of this species for Brazil.

Genus TRICHODURA Macquart, 1843

= *Trichoduropsis* Townsend, 1919.

Trichodura friburguensis Guimarães, 1972. **Type locality:** Brazil, Rio de Janeiro, Nova Friburgo. **Distribution:** Brazil (Rio de Janeiro, São Paulo). **Reference:** Guimarães (1972).

Material examined: 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 21.v-28.vi.2008, Malaise, Nihei, S., Figueiredo, R., Andrade, M. [MZUSP]. 2♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 13.iv.2008, ativa, Nihei, S., Figueiredo, R., Andrade, M., Fernandes, F. [MZUSP].

2♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 16-30.iii.2008, Malaise, Nihei, S., Figueiredo, R., Andrade, M., Fernandes, F. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Trichodura lineata Townsend, 1934 (= *T. vittata* Curran, 1937). **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Guimarães (1972).

Material examined: 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 13.iv.2008, ativa [sweeping], Nihei, S., Figueiredo, R., Andrade, M., Fernandes, F. [MZUSP]. 1♂, 5♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 21.v-28.vi.2008, Malaise, Nihei, S., Figueiredo, R., Andrade, M. [MZUSP]. 1♂, 4♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 28.vi-02.viii.2008, Malaise, Nihei, S., Andrade, M., Moll, P. [MZUSP]. 2♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 30.iii-13.vi.2008, Malaise, Nihei, S., Figueiredo, R., Andrade, M., Fernandes, F. [MZUSP]. 3♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 02.viii-01.ix.2008, Malaise, Nihei, S., Figueiredo, R., Leite, P. [MZUSP]. 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 01.ix-23.x.2008, Malaise, Fernandes, F. [MZUSP].

Trichodura longicauda Guimarães, 1972. **Type locality:** Brazil, Rio de Janeiro, Nova Friburgo. **Distribution:** Brazil (Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Guimarães (1972).

Trichodura townsendi Guimarães, 1972. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (Paraná, São Paulo). **Reference:** Guimarães (1972).

Genus ZELIA Robineau-Desvoidy, 1830

= *Diaugia* Perty, 1833 = *Leptoda* Wulp, 1885 = *Melaleuca* Wulp, 1891 = *Metadexia* Coquillett, 1899 = *Euzelia* Townsend, 1915 = *Minthozelia* Townsend, 1919 = *Huascarodexia* Townsend, 1919 = *Opsozelia* Townsend, 1919 = *Yahuarmayoia* Townsend, 1927 = *Ushpayacua* Townsend, 1928 = *Taperymyia* Townsend, 1935.

Zelia angusta (Perty, 1833) (*Diaugia*). **Type locality:** Brazil, Minas Gerais. **Distribution:** Brazil (Goiás, Minas Gerais, Paraná, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Nihei & Pavarini (2011).

Zelia guimaraesi Dios & Santis, 2019. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo). **Reference:** Dios & Santis (2019).

Zelia potens (Wiedemann, 1830) (*Dexia*) (= *Dexia phaeoptera* Wiedemann, 1830 = *Yahuarmayoia analis* Townsend, 1927). **Type locality:** Brazil. **Distribution:** Brazil (Amazonas, Espírito Santo, Pará, Rio de Janeiro, São Paulo), Guyana, Peru. **Reference:** Santis et al. (2024).

Zelia ureophila (Townsend, 1928) (*Ushpayacua*). **Type locality:** Peru, Department of Loreto, Ushpayacu River. **Distribution:** Brazil (Mato Grosso, Mato Grosso do Sul, Minas Gerais, Rio de Janeiro, Santa Catarina, São Paulo), Peru. **Reference:** Santis et al. (2024).

Tribe OESTROPHASIINI Brauer & Bergenstamm, 1889 Genus OESTROPHASIA Brauer & Bergenstamm, 1889

Oestrophasia uncana (Fabricius, 1805) (*Dictya*). **Type locality:** South America. **Distribution:** Brazil (São Paulo). **Reference:** Guimarães (1977a).

Tribe EPIGRIMYIINI Townsend, 1908 Genus BESKIA Brauer & Bergenstamm, 1889

= *Ocypterosipha* Townsend, 1894.

Beskia aelops (Walker, 1849) (*Tachina*) (= *Beskia cornuta* Brauer & Bergenstamm, 1889 = *Ocypterosipha willistoni* Townsend, 1894). **Type locality:** USA, Georgia. **Distribution:** Brazil (São Paulo), Costa Rica, Dominican Republic, Ecuador, Guyana, Mexico, Peru, Puerto Rico, Saint Vincent and the Grenadines, USA. **Reference:** O'Hara et al. (2020).

Material examined: 1♂, BRASIL: SP, Salesópolis, E.B.B. [Estação Biológica de Boraceia] (846 m), 23°39'2.6"S 45°53'32.1"W, Coleta ativa [sweeping], 11-13.ii.2012, Kawada & eq. cols. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo. It is also found in other Brazilian states, and a formal revision is necessary.

Tribe TELOTHYRIINI Townsend, 1927 Genus TELOTHYRIA Wulp, 1890

= *Thereuops* Brauer & Bergenstamm, 1891 = *Comatacta* Coquillett, 1902 = *Leskiopsis* Townsend, 1916 = *Ptilomyia* Curran, 1925 = *Ptilomyoides* Curran, 1928 = *Eutelothyria* Townsend, 1931 = *Ptilomyiopsis* Townsend, 1933 = *Euptilomyia* Townsend, 1939 = *Floradalia* Thompson, 1963.

Telothyria brasiliensis (Townsend, 1929) (*Leskiopsis*). **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Brazil (São Paulo). **Reference:** Townsend (1929).

Material examined: 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 13.iv.2008,

ativa [sweeping], Nihei, S., Figueiredo, R., Andrade, M., Fernandes, F., Gonçalves, R. col. [MZUSP].

Telothyria itaquaquecetubae (Townsend, 1931) (*Eutelothyria*). **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Brazil (São Paulo), Trinidad and Tobago. **References:** O'Hara *et al.* (2020); de Paula *et al.* (2024).

Tribe URAMYIINI Townsend, 1919
Genus THELAIRAPORIA Guimarães, 1980

Thelairaporía brasiliensis Guimarães, 1980. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutonia. **Distribution:** Brazil (Pará, Rio de Janeiro, Santa Catarina, São Paulo). **Reference:** Guimarães (1980).

Thelairaporía pollinosa Guimarães, 1980. **Type locality:** Brazil, São Paulo, Campos do Jordão. **Distribution:** Brazil (São Paulo). **Reference:** Guimarães (1980).

Tribe VORIINI Townsend, 1912
Genus THELAIRODES van der Wulp, 1891

= *Paradomyia* Townsend, 1917.

Thelairoides vittigerus (Bigot, 1889) (*Homodexia*). **Type locality:** "Mexico". **Distribution:** Brazil (São Paulo), Mexico, Trinidad and Tobago. **Reference:** O'Hara *et al.* (2020).

Material examined: 1♂, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 17.i.2018, Shannon (peixe e camarão) [fish and shrimp], Alvarez, D., Nihei, S. & Baldassio, L. cols. [MZUSP].

Comments: This is the first record of this species for Brazil.

Genus VORIA Robineau-Desvoidy, 1830

= *Plagia* Meigen, 1838 = *Xenoplagia* Townsend, 1914 = *Hystricovoria* Townsend, 1928 = *Itavoria* Townsend, 1931 = *Afrovincia* Curran, 1938 = *Anavoria* Mesnil, 1953.

Voria ruralis (Fällen, 1810) (*Tachina*) (= *Tachina ambigua* Fallén, 1810 = *Tachina verticalis* Meigen, 1824 = *Voria latifrons* Robineau-Desvoidy, 1830 = *Tachina arcuata* Macquart, 1834 = *Tachina interrupta* Zetterstedt, 1844). **Type locality:** Sweden, Skåne, Esperöd. **Distribution:** Albania, Andorra, Argentina, Australia, Austria, Belarus, Belgium, Bosnia and Herzegovina, Brazil (São Paulo), Bulgaria, British Isles, Canada, Channel Islands, Chile, China, Colombia, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, India, Iran, Israel, Italy, Japan, Kenya to South Africa, Latvia, Lithuania, Macedonia, Mexico, Moldova, Mongolia, Nepal,

Netherlands, Nicaragua, Norway, Palestine, Papua New Guinea, Pakistan, Peru, Poland, Portugal, Puerto Rico, Romania, Russia, Serbia, Slovakia, Slovenia, South Korea, Spain, Sweden, Switzerland, Taiwan, Trinidad and Tobago, Turkey, Ukraine, Uruguay, USA, Venezuela, Yemen. **Reference:** O'Hara *et al.* (2020).

Material examined: 1♂, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 30.i.2008, ativa [sweeping], Nihei, S., Figueiredo, R., Andrade, M., Fernandes, F., Gonçalves, R. [MZUSP]. 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 13.iv.2008, ativa [sweeping], Nihei, S., Figueiredo, R., Andrade, M., Fernandes, F., Gonçalves, R. [MZUSP]. 1♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 14-16.iii.2008, ativa [sweeping], Nihei, S., Figueiredo, R., Andrade, M., Fernandes, F., Gonçalves, R. [MZUSP]. 1♂, 2♀♀, Brasil, SP, Salesópolis, Estação Biológica de Boraceia, 23°38'29"S, 45°51'22"W, 01.ix.2008, ativa [sweeping], Nihei, S., Figueiredo, R., Leite, P. [MZUSP].

Subfamily EXORISTINAE Robineau-Desvoidy, 1863
Tribe BLONDELIINI Robineau-Desvoidy, 1863
Genus CALODEXIA Wulp, 1891

= *Eucalodexia* Townsend, 1908 = *Oestrogaster* Townsend, 1912 = *Oestrogastropsis* Townsend, 1915 = *Oestrogastrodes* Townsend, 1915 = *Ommaleskia* Townsend, 1917 = *Parathelaira* Townsend, 1919 = *Calothelaira* Townsend, 1927 = *Chaetonalia* Curran, 1934 = *Euoestrogaster* Townsend, 1935 = *Euoestrogastrodes* Townsend, 1935 = *Monoestrogaster* Townsend, 1939 = *Nicetria* Reinhard, 1953.

Calodexia fasciata Curran, 1934. **Type locality:** Panama, Barro Colorado Island, Canal Zone. **Distribution:** Brazil (São Paulo), Panama. **Reference:** Curran (1934).

Material examined: 3♀♀, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 14-17.i.2018, Nihei, Alvarez & Baldassio col. [MZUSP].

Comments: This is the first record of this species for Brazil.

Genus TETTIGONIOPHAGA Guimarães, 1978

Tettigoniophaga vanini Guimarães, 1978. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Guimarães (1978b).

Tribe GONIINI Lioy, 1864
Genus LESCHENAULTIA Robineau-Desvoidy, 1830

= *Blepharipeza* Macquart, 1844 = *Rileyia* Brauer & Bergenstamm, 1893 = *Rileyomyia* Townsend, 1893

= *Parachaeta* Coquillett, 1897 = *Echinomasicera* Townsend, 1915 = *Harrisioopsis* Townsend, 1927 = *Parachaetopsis* Blanchard, 1959.

Leschenaultia cilipes Robineau-Desvoidy, 1830 (= *Tachina leucophrys* Wiedemann, 1830 = *Blepharipeza rufipalpis* Macquart, 1843 = *Tachina latifrons* Walker, 1852 = *Masicera nigricalyptrata* Macquart, 1855 = *Harrisioopsis spinosa* Townsend, 1927). **Type locality:** "Surinam". **Distribution:** Bolivia, Brazil (Amazonas, Bahia, Mato Grosso, Mato Grosso do Sul, Goiás, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Ecuador, Mexico, Paraguay, Peru, Suriname, Venezuela, Uruguay. **Reference:** Toma & Guimarães (2002).

Tribe EUTHELAIRINI Townsend, 1919
Genus CEROTACHINA Arnaud, 1963

Cerotachina elegantula Arnaud, 1963. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Arnaud Jr. (1963).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis S.P. [São Paulo], iii.1971, J.H. Guimarães col. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Genus NEOMINTHO Brauer & Bergenstamm, 1891

= *Eupelecotheca* Townsend, 1919 = *Euthelairopsis* Townsend, 1927 = *Pantagathus* Reinhard, 1935.

Neomintho macilenta (Wiedemann, 1830) (*Tachina*) (= *Euthelairopsis brasiliensis* Townsend, 1927). **Type locality:** "Brazil". **Distribution:** Brazil (São Paulo), Trinidad and Tobago. **References:** O'Hara et al. (2020); de Paula et al. (2024).

Material examined: 1♂, Est. Biol. [Estação Biológica de] BORACEIA, Salesópolis, S.P. [São Paulo], 850 m, Rabello col. [MZUSP].

Subfamily PHASIINAE Rondani, 1862
Tribe GYMNOSOMATINI Macquart, 1834
Genus TRICHOPODA Berthold, 1827
Subgenus GALACTOMYIA Townsend, 1908

= *Trichopodopsis* Townsend, 1913.

Trichopoda (Galactomyia) pennipes (Fabricius, 1781) (*Musca*) (= *Musca pennipes* Fabricius, 1781 = *Thereva pennipes* Fabricius, 1805 = *Thereva hirtipes* Fabricius, 1805 = *Ocyptera ciliata* Fabricius, 1805 = *Phasia jugatoria* Say, 1829 = *Trichopoda flavicornis* Robineau-Des-

voidy, 1830 = *Trichopoda haitensis* Robineau-Desvoidy, 1830 = *Trichopoda cilipes* Wiedemann, 1830 = *Trichopoda nigripes* Wulp, 1892 = *Trichopodopsis giacomellii* Blanchard, 1966 = *Eutrichopodopsis funebris* Blanchard, 1966 = *Eutrichopodopsis nitens* Blanchard, 1966 = *Eutrichopodopsis imitans* Blanchard, 1966 = *Eutrichopodopsis similis* Blanchard, 1966 = *Eutrichopodopsis bruchi* Blanchard, 1966 = *Trichopodopsis nigrifrontalis* Blanchard, 1966 = *Trichopodopsis bosqi* Blanchard, 1966 = *Trichopodopsis gustavoi* Mallea, Mácola, García, Bahamondes, Suárez & Lanati, 1977). **Type locality:** "North America". **Distribution:** Argentina, Brazil (Espírito Santo, Mato Grosso do Sul, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Canada, Costa Rica, Haiti, Hawaii (introduced), Panama, Puerto Rico, Mexico, New Zealand (introduced), USA. **Reference:** Dios & Nihei (2020).

Material examined: 1♂, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia, 23°39'14"S 45°53'25"W, 11-13.ii.2012, Exp. [Expedição, Expedition] MZUSP [MZUSP].

Tribe STRONGYGASTRINI Townsend, 1936
Genus STRONGYGASTER Macquart, 1834

= *Tamiclea* Macquart, 1836 = *Eratia* Robineau-Desvoidy, 1863 = *Etheria* Robineau-Desvoidy, 1863 = *Cristoforia* Rondani, 1868 = *Androphana* Brauer & Bergenstamm, 1889.

Strongygaster brasiliensis (Townsend, 1929) (*Hyalomyodes*) (= *Hyalomyodes argentinensis* Blanchard, 1942). **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Argentina, Brazil (Minas Gerais, Paraná, São Paulo). **References:** Guimarães (1978a); Castro-Guedes et al. (2018).

Material examined: 1♀, Brasil, São Paulo, Salesópolis, Est. [Estação] Biológica [de] Boraceia, coleta ativa [sweeping], 06-20.ii.2017, Cols: Alvarado, Sebastián, Camargo, Sofia e Souza, Caroline [MZUSP].

Subfamily TACHININAE Robineau-Desvoidy, 1830
Tribe ICELIINI Townsend, 1936
Genus ICELIOPSIS Guimarães, 1976

Iceliopsis borgmeieri Guimarães, 1976. **Type locality:** Brazil, São Paulo, Campos do Jordão (Eugênio Lefevre). **Distribution:** Brazil (Rio de Janeiro, São Paulo), USA. **References:** Guimarães (1976); Stireman III & Dell (2017).

Tribe LESKIINI Townsend, 1919
Genus GENEIA Rondani, 1850

= *Leskiomima* Brauer & Bergenstamm, 1891 = *Dejeaniopalpus* Townsend, 1916 = *Geneopsis*

Townsend, 1927 = *Jaynesleskia* Townsend, 1934
= *Geneoglossa* Townsend, 1935 = *Leskiella* James, 1947.

Geneamajor (Townsend, 1927) (*Geneopsis*). **Type locality:** Brazil, São Paulo, Itaquaquacetuba. **Distribution:** Brazil (São Paulo), Paraguay. **Reference:** Nunez & Couri (2011).

Genea paulistana Nunez & Couri, 2011. **Type locality:** Brazil, São Paulo, Itaquaquacetuba. **Distribution:** Brazil (São Paulo). **Reference:** Nunez & Couri (2011).

Material examined: 1♂, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis – S.P., 26.iv.1965, J.H. Guimarães col. [MZUSP]. 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis – S.P., Brasil, 18.iii.1962, K. Lenko col. [MZUSP].

Tribe MYIOPHASIINI Townsend, 1908 Genus CHOLOMYIA Bigot, 1884

= *Acromiodexia* Townsend, 1931.

Cholomyia inaequipes Bigot, 1884 (= *Musca longipes* Fabricius, 1805 = *Thelairoides basalis* Giglio-Tos, 1893 = *Cholomyia nigriceps* Williston, 1908 = *Metadexia flavipes* Johnson in Coquillett (1905) (*nomen nudum*)). **Type locality:** "Mexico". **Distribution:** Brazil (Amazonas, Bahia, Goiás, Mato Grosso, Mato Grosso do Sul, Minas Gerais, Pará, Rio de Janeiro, Rondônia, Santa Catarina, São Paulo), Colombia, Guatemala, Guyana, Peru, Mexico, USA, Venezuela. **References:** Santis & Nihei (2016); Palacios-Torres et al. (2023); de Paula et al. (2024).

Material examined: 1♂, Salesópolis: Estação Biológica de Boraceia, 850 m, 30.i.1968, Rabello col. [MZUSP]. 9♀♀, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 21.v-28.vi.2008, Nihei, Figueiredo & Andrade col. [MZUSP]. 1 undetermined sex, Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia, 14-17.i.2018, Nihei, Alvarez & Baldassio col. [MZUSP].

Tribe NEMORAEINI Townsend, 1932 Genus MACROMYIA Robineau-Desvoidy, 1830

= *Gymnostylia* Macquart, 1835 = *Tropidopsis* Brauer & Bergenstamm, 1889 = *Xanthohystricia* Townsend, 1931.

Macromyia pyrrhaspis (Wiedemann, 1830) (*Tachina*). **Type locality:** Brazil. **Distribution:** Bolivia, Brazil (Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, Santa Catarina, São Paulo), Ecuador, Guatemala, Guyana, Mexico, Peru. **References:** Reinhard (1968); O'Hara et al. (2020).

Tribe ORMIINI Townsend, 1915 Genus ORMIOPHASIA Townsend, 1919

= *Pseudormia* Séguy, 1926 = *Pseudoneoptera* Séguy, 1926 = *Plagiatormia* Séguy, 1926.

Ormiophasia cruzi Tavares, 1964. **Type locality:** Brazil, Guanabara [Rio de Janeiro], Gávea. **Distribution:** Argentina, Brazil (Bahia, Espírito Santo, Pará, Paraná, Rio de Janeiro, Santa Catarina, São Paulo), Panama, Paraguay. **Reference:** Gudín & Nihei (2019).

Ormiophasia lanei Tavares, 1964. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **References:** Tavares (1964); Gudín & Nihei (2019).

Ormiophasia manguinhos Gudín & Nihei, 2019. **Type locality:** Brazil, Paraná, São José dos Pinhais. **Distribution:** Brazil (Paraná, Rio de Janeiro, São Paulo). **Reference:** Gudín & Nihei (2019).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Salesópolis, São Paulo – Brasil, 18.x.1960, K. Lenko col. [MZUSP].

Tribe POLIDEINI Brauer & Bergenstamm, 1889 Genus HYSTRICIA Macquart, 1844

= *Hystricia* Rondani, 1863 (unjustified emendation)
= *Hystriciopsis* Townsend, 1914 (*nomen nudum*)
= *Hystriciopsis* Townsend, 1914 = *Bombyliopsis* Townsend, 1915 = *Hystriciella* Engel, 1920
= *Engelomyia* Townsend, 1931.

Hystricia vargas Curran, 1942. **Type locality:** Brazil, Santa Catarina, Seara, Nova Teutônia. **Distribution:** Brazil (Santa Catarina, São Paulo). **Reference:** Curran (1942).

Material examined: 1♂, 1♀, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 17.i.2018, Shannon (peixe e camarão) [fish and shrimp], Alvarez, D., Nihei, S. & Baldassio, L. cols. [MZUSP].

Comments: This is the first record of this species for the state of São Paulo.

Tribe TACHINIINI Rondani, 1830 Genus ABEPALPUS Townsend, 1931

Abepalpus archytoides Townsend, 1931. **Type locality:** Brazil, São Paulo. **Distribution:** Brazil (São Paulo). **Reference:** Townsend (1931).

Material examined: 1♂, 2♀♀, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 30.i.2008, Nihei, Lamas e eq. col. [MZUSP].

Genus ADEJEANIA Townsend, 1913

= *Trichodejeania* Townsend, 1913 = *Echinotachina* Townsend, 1913.

Adejeania andina (Townsend, 1912) (*Dejeania*). **Type locality:** Peru, Ollachea, Canyon of San Gabán River. **Distribution:** Brazil (Distrito Federal, Mato Grosso do Sul, Minas Gerais, Paraná, Rio de Janeiro, Rio Grande do Sul, São Paulo), Peru. **Reference:** Guimarães (1966).

Material examined: 1♂, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia – área do lago [lake area], 23°38'29"S, 45°51'22"W, 21.iv.2012, Gudín, Dias, Dios, Alcántara, Sato & Tamakoshi col. [MZUSP].

Adejeania grandis Guimarães, 1966. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Guimarães (1966).

Adejeania thompsoni Guimarães, 1966. **Type locality:** Brazil, São Paulo, Salesópolis, Estação Biológica de Boraceia. **Distribution:** Brazil (São Paulo). **Reference:** Guimarães (1966).

Genus DIAPHANOMYIA Townsend, 1917

= *Xanthozonella* Townsend, 1927.

Diaphanomyia aurifacies (Robineau-Desvoidy, 1830) (*Jurinia*) (= *Echinomyia ludens* Walker, 1860 = *Paragymnomma diaphana* Brauer & Bergenstamm, 1891 = *Xanthozonella brasiliensis* Townsend, 1927). **Type locality:** "Brazil". **Distribution:** Brazil (São Paulo), Venezuela. **Reference:** O'Hara *et al.* (2020).

Material examined: 1♀, Est. Biol. [Estação Biológica de] Boraceia, Mun. [Município, Municipality] Salesópolis, SP, Brasil, iii.1969, N. Papavero col. [MZUSP]. 1♀, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 01.ix.2008, Nihei, Figueiredo & Leite col. [MZUSP]. 1♂, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica] de Boraceia – mata [forest], 23°38'29"S, 45°51'22"W, 21.iv.2012, Gudín, Dias, Dios, Alcántara, Sato & Tamakoshi col. [MZUSP]. 1♀, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, Trilha caixa d'água [water tank trail] – mata [forest], 23°38'29"S, 45°51'22"W, 04-07.ix.2012, F. Gudín col. [MZUSP]. 1♀, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, Trilha dos Pilões, 23°38'29"S, 45°51'22"W, 31.iii.2017, Alvarez & Nihei col. [MZUSP]. 1♀, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 14-17.i.2018, Nihei, Alvarez & Baldassio col. [MZUSP].

Genus EUBISCHOFIMYIA Townsend, 1927

Eubischofimyia analis Townsend, 1927. **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Brazil (São Paulo). **Reference:** Townsend (1927).

Material examined: 1♀, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, Trilha dos Pilões, 23°38'29"S, 45°51'22"W, 31.iii.2017, Alvarez & Nihei col. [MZUSP].

Genus ITACUPHOCERA Townsend, 1927

Itacuphocera ocellaris Townsend, 1927. **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Brazil (São Paulo). **Reference:** Townsend (1927).

Material examined: 1♂, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, Trilha caixa d'água [water tank trail] – mata [forest], 23°38'29"S, 45°51'22"W, 04-07.ix.2012, F. Gudín col. [MZUSP].

Genus JURINIA Robineau-Desvoidy, 1830

= *Proepalpus* Townsend, 1927.

Jurinia paulensis (Townsend, 1927) (*Proepalpus*). **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Brazil (São Paulo). **Reference:** Townsend (1927).

Material examined: 1♀, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 14-17.i.2018, Nihei, Alvarez & Baldassio col. [MZUSP].

Genus MICROGYMNOMMA Townsend, 1916

Microgymnomma paulensis Townsend, 1929. **Type locality:** Brazil, São Paulo, Itaquaquecetuba. **Distribution:** Brazil (São Paulo). **Reference:** Townsend (1929).

Material examined: 1♀, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 02.viii-01.ix.2008, Nihei, Figueiredo & Leite col. [MZUSP]. 1♀, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 01.ix.2008, Fernandes col. [MZUSP]. 1♀, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia – mata [forest], 23°38'29"S, 45°51'22"W, 30.iv-01.v.2011, Nihei e eq. col. [MZUSP].

Genus ZONOEPALPUS Townsend, 1927

Zonoepalpus testaceus (Robineau-Desvoidy, 1830) (*Jurinia*). **Type locality:** Brazil, Rio Grande do Sul. **Distribution:** Brazil (Rio Grande do Sul, São Paulo). **Reference:** Robineau-Desvoidy (1830).

Material examined: 1♀, Brasil, SP, Salesópolis, Est. Biol. [Estação Biológica de] Boraceia, Trilha caixa d'água [water tank trail] – mata [forest], 23°38'29"S, 45°51'22"W, 04-07.ix.2012, F. Gudín col. [MZUSP]. 1♂, 1♀, Brasil, SP, Salesópolis, E.B. [Estação Biológica de] Boraceia, 23°38'29"S, 45°51'22"W, 14-17.i.2018, Nihei, Alvarez & Baldassio col. [MZUSP].

DISCUSSION

This study presents the first inventory of Diptera species from the EBB, compiling 193 species, of which the

type species is from EBB, and documenting 56 new records for the state of São Paulo and 13 new records for Brazil (see Table 2). These findings highlight the EBB as a key locality for Diptera biodiversity within the Atlantic Forest hotspot (Myers *et al.*, 2000), making it one of the most extensively sampled sites for flies in well-preserved areas of the biome. However, it is worth noting that no long-term sampling project specifically targeting Diptera has ever been conducted in the area, suggesting that the actual diversity is still underestimated. Protected areas are, on average, effective in conserving more species and individuals than unprotected sites, particularly when they reduce intensive land uses and safeguard primary or mature secondary vegetation (Gray *et al.*, 2016), as is the case of the EBB.

Compared to the Diptera fauna of São Paulo State and Brazil, the EBB's species richness (721 species) accounted for 32% of all dipterans recorded in the state and about 7% of those in the country (Rafael *et al.*, 2025) (see Table 3). Certain families stood out, particularly Mycetophilidae, of which the EBB's fauna of the family represented 59% of all Mycetophilidae species recorded in São Paulo and 31% of those in Brazil. Compared with inventories based on continuous overall Diptera sampling (*e.g.*, Riccardi *et al.*, 2022; Lamas *et al.*, 2023) or dedicated to a particular family (*e.g.*, Fachin *et al.*, 2023; Machado & Fachin, 2025), the number of species documented here may seem modest. These percentages, however, come from scattered publications, due to the efforts of a few experts, rather than a systematic inventory of the EBB. This likely explains the disproportionately higher number of records for Mycetophilidae compared to species-rich families such as Phoridae and Cecidomyiidae (Tables 2 and 3). This discrepancy can be attributed, at least in part, to historical differences in the number of taxonomists with expertise in the Neotropical fauna working on these families.

Oliveira *et al.* (2024) noted that Bibionomorpha species are found in all Brazilian states, with São Paulo having the highest number of records (397 species), primarily in the Atlantic Forest. This pattern may reflect a research bias, as specialists in this group are based in institutions within the state and have greater access to material. Notably, John Lane (1905-1963), played a key role in this trend, dedicating much of his work to studying various "Nematocera" families, particularly Mycetophilidae. He remains the entomologist who described the most Bibionomorpha species from the Atlantic Forest (Oliveira *et al.*, 2024).

Since the official establishment of the EBB in 1938 (Duarte *et al.*, 2025), 193 species have been described based on material collected within its boundaries, with the most recent *Leinendera carrerai* Camargo, Vieira & Rafael, 2019 (Asilidae) published in 2019 (Camargo *et al.*, 2019). Additionally, 583 other species have been recorded at EBB, of which 57 are reported for the first time, with the latest record published in 2024 (Carmo-Neto *et al.*, 2024). This underscores how even a well-studied area, with over 85 years of research, remains a valuable source of biodiversity yet to be discovered, studied, and documented.

Table 3. Comparison between the number of species per family from EBB, the state of São Paulo (SP), and Brazil (BR). Distributional data of the families marked with (*) are probably not updated on the CTFB website; therefore, the numbers for the state of São Paulo compared to EBB are discrepant.

Family	EBB	SP	BRAZIL
Tipulidae	6	50	162
Limoniidae	17	25	481
Blephariceridae	1	9	32
Bibionidae	3	16	50
Ditomyiidae	4	9	11
Keroplastidae	13	39	90
Mycetophilidae	136	230	432
Sciaridae	5	37	91
Cecidomyiidae	1	62	303
Rangomaramidae	1	2	2
Anisopodidae	6	8	23
Scatopsidae	1	3	5
Corethrellidae	8	22	58
Chaoboridae	2	3	10
Simuliidae	13	50	99
Ceratopogonidae	1	90	531
Chironomidae	30	292	682
Rhagionidae	3	5	20
Tabanidae	43	117	495
Stratiomyidae	21	94	345
Acroceridae	2	5	31
Bombyliidae	3	41	115
Asilidae	40	141	478
Empididae	2	16	163
Hybotidae	11	32	148
Brachymeridae	2	3	3
Dolichopodidae	5	19	232
Phoridae	6	89	897
Syrphidae	41	116	613
Pipunculidae	5	43	160
Micropezidae	10	22	131
Neriidae	1	3	17
Tanypezidae	1	4	9
Syringogastridae	1	3	9
*Conopidae	3	0	100
Platystomatidae	1	3	5
Tephritidae	6	39	301
Pyrgotidae	8	22	34
Lauxaniidae	6	13	112
Sciomyzidae	1	16	33
Clusiidae	2	22	145
Agromyzidae	1	39	131
*Aulacigastridae	1	0	8
Chloropidae	7	27	151
Heleomyzidae	6	10	15
Sphaeroceridae	1	8	83
Curtonotidae	1	6	19
Drosophilidae	86	110	395
Diastatidae	1	1	1
Ephydriidae	1	5	150
Hippoboscidae	3	16	30
Nycteribiidae	1	14	28
*Muscidae	62	22	377
Calliphoridae	5	19	38
Mesembrinellidae	8	9	16
Sarcophagidae	16	80	390
Tachinidae	49	63	826
	721	2244	10316

Specimens collected over more than these 85 years at the EBB are deposited in the entomological collections of the MZUSP, available for specialists of all groups. The Diptera collection cabinets of the MZUSP may contain representatives of many of the remaining 45 families known from Brazil (Rafael *et al.*, 2024b) but not recorded in this study. Taxonomic groups that still lack specialists may be studied in the future, underscoring both the importance of scientific museums and the need for more experts in taxonomy.

This highlights the need to establish more research sites with structured access and facilities for scientists and students, both within the Atlantic Forest and across other Brazilian biomes, to deepen our understanding of biodiversity. Additionally, it is crucial to emphasize the need for specialized expertise in taxonomy and fieldwork, with ongoing training for specialists being essential for advancing our knowledge in this field (Agnarsson & Kuntner, 2007; Engel *et al.*, 2021; Petrović, 2022; Löbl *et al.*, 2023).

This updated checklist provides a strong foundation for further studies on taxonomy, biogeography, evolution, and other aspects of Diptera from the Atlantic Forest. By cataloging a diverse number of species and documenting their distribution, this resource enables a deeper understanding of the ecological roles that Diptera play within this unique biome. The checklist is also a valuable tool for future conservation efforts as it highlights areas with high species richness and potential gaps in knowledge. Ultimately, this work enables more comprehensive investigations into the complex interactions between Diptera and their environment, as well as their potential responses to environmental changes in the Atlantic Forest.

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REFERENCES

- Aczél, M. 1956a. Revisión parcial de las Pyrgotidae Neotropicales y Antárticas, con sinopsis de los géneros y especies (Diptera, Acalyprtratae). *Revista Brasileira de Entomologia*, 5: 1-70.
- Aczél, M. 1956b. Revisión parcial de las Pyrgotidae Neotropicales y Antárticas, con sinopsis de los géneros y especies (Diptera, Acalyprtratae). *Revista Brasileira de Entomologia*, 6: 1-38.
- Adler, P.H. 2025. *World blackflies (Diptera: Simuliidae): a fully revised edition of the taxonomic and geographic inventory*. Available: <https://biomia.sites.clemson.edu/pdfs/blackflyinventory.pdf>. Access: 20/08/2025.
- Agnarsson, I. & Kuntner, M. 2007. Taxonomy in a changing world: Seeking solutions for a science in crisis. *Systematic Biology*, 56(3): 531-539. Available: <https://doi.org/10.1080/10635150701424546>. Access: 03/04/2025.
- Albuquerque, L.P. 1980. Estudo dos Micropezídeos da Bacia Amazônica. II – Redescrição de três espécies e conhecimento de duas espécies novas para a ciência de *Taeniaptera* Macquart, 1835 (Diptera-Micropezidae). *Acta Amazonica*, 10(4): 863-881. Available: <https://doi.org/10.1590/1809-43921980104863>. Access: 03/04/2025.
- Aldrich, J.M. 1928. New Diptera or two-winged flies from South America. *Proceedings of the United States National Museum*, 74(2746): 1-25. Available: <https://doi.org/10.5479/si.00963801.74-2746.1>.
- Ale-Rocha, R. 2001. Descrição de *Oropezzella pseudotetraocellata* sp. nov. (Diptera, Empididae, Ocydromiinae). *Iheringia, Série Zoologia*, 91: 85-88. Available: <https://doi.org/10.1590/S0073-47212001000200012>. Access: 03/04/2025.
- Ale-Rocha, R. 2004. Revisão das espécies sul-americanas de *Euhabus* (Diptera, Hybotidae, Hybotinae) do grupo *purpureus*. *Iheringia, Série Zoologia*, 94(4): 357-373. Available: <https://doi.org/10.1590/S0073-47212004000400003>.
- Alexander, C.P. & Alexander, M.M. 1970. Family Tipulidae. In: Papavero, N. (Ed.). *A Catalogue of the Diptera of the Americas South of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo. 259p.
- Alvim, E.; Ale-Rocha, R. & Bravo, F. 2011. *Apoxyria hirtuosa* (Wiedemann, 1821) comb. n., lectotype designation, redescription and identification key to species of *Apoxyria* Schiner, 1866 (Asilidae, Laphriinae). *Zookeys*, 125: 51-57. Available: <https://doi.org/10.3897/zookeys.125.1790>. Access: 03/04/2025.
- Alvim, E.; Ale-Rocha, R. & Bravo, F. 2014. Taxonomic revision of *Neodiogmites* Carrera, 1949 (Diptera, Asilidae) and description of two new species. *Zootaxa*, 3861(2): 101-126. Available: <https://doi.org/10.11646/zootaxa.3861.2.1>. Access: 03/04/2025.
- Amaral, A.P.; Mariano, R. & Pinho, L.C. 2023. Description of five new species of frog-biting midges (Diptera, Corethrellidae) from Brazil and examination of the new morphological characters with utility for taxonomic and phylogenetic studies. *European Journal of Taxonomy*, 874: 1-120. Available: <https://doi.org/10.5852/ejt.2023.874.2135>. Access: 03/04/2025.
- Amaral, S.; Metzger, J.P.; Rosa, M.; Adorno, B.V.; Gonçalves, G.C. & Pinto, L.F.G. 2025. Alarming patterns of mature forest loss in the Brazilian Atlantic Forest. *Nature Sustainability*, 8: 256-264. Available: <https://doi.org/10.1038/s41893-025-01508-w>. Access: 03/04/2025.
- Ament, D.C. & Amorim, D.S. 2016. Taxonomic revision of *Coniceromyia* Borgmeier (Diptera: Phoridae), with the description of three new species from Brazil. *Zootaxa*, 4087(1): 1-087. Available: <https://doi.org/10.11646/zootaxa.4086.1.1>. Access: 03/04/2025.
- Amorim, D.S. 2009. Catalogue of Neotropical Diptera. Scatopsidae. *Neotropical Diptera*, 4: 1-18.
- Amorim, D.S. & Falaschi, R.L. 2010. A second known species of *Eratomyia* Amorim & Rindal (Diptera, Rangomaramidae, Chiletichinae) from Colombia. *Zootaxa*, 2641(1): 55-61. Available: <https://doi.org/10.11646/zootaxa.2641.1.6>. Access: 03/04/2025.
- Amorim, D.S. & Falaschi, R.L. 2012. Catalogue of Neotropical Diptera. Rangomaramidae. *Neotropical Diptera*, 21: 1-7.
- Amorim, D.S. & Oliveira, S.S. 2008. Eleven new species of the genus *Cluzobra* Edwards (Diptera, Mycetophilidae, Sciophilinae) from the Atlantic Forest of Brazil. *Zootaxa*, 1920(1): 1-28. Available: <https://doi.org/10.11646/zootaxa.1920.1.1>. Access: 03/04/2025.

- Amorim, D.S. & Oliveira, S.S. 2013. Types of Neotropical Mycetophilidae (Diptera) at the Natural History Museum collection, London. *Zootaxa*, 3726(1): 1-119. Available: <https://doi.org/10.11646/zootaxa.3726.1.1>. Access: 03/04/2025.
- Andersen, T. & Mendes, H.F. 2007. Five enigmatic new orthoclad genera from Brazil (Diptera: Chironomidae, Orthoclaadiinae). In: Andersen, T. (Ed). *Contributions to the systematics and ecology of aquatic Diptera. A tribute to Ole A. Sæther*. Columbus, Ohio, The Caddis Press. p. 17-52.
- Andersen, T. & Mendes, H.F. 2012. *Maximberus maxi* n. gen., n. sp. from Southern and Southeastern Brazil (Diptera: Chironomidae, Orthoclaadiinae). *Biota Neotropica*, 12(1): 117-122. Available: <https://doi.org/10.1590/S1676-06032012000100011>. Access: 03/04/2025.
- Andersen, T.; Donato, M.; Hagenlund, L.K.; Mauad, M. & Mendes, H.F. 2018. A review of neotropical *Axarus*, with the description of five new species (Diptera: Chironomidae). *Studies on Neotropical Fauna and Environment*, 53(3): 167-183. Available: <https://doi.org/10.1080/01650521.2018.1447337>. Access: 03/04/2025.
- Andersen, T.; Sæther, O.A. & Mendes, H.F. 2010a. Neotropical *Allocladius* Kieffer, 1913 and *Pseudosmittia* Edwards, 1932 (Diptera: Chironomidae). *Zootaxa*, 2472(1): 1-77. Available: <https://doi.org/10.11646/zootaxa.2472.1.1>. Access: 03/04/2025.
- Andersen, T.; Mendes, H.F. & Pinho, L.C. 2010b. Four new species of *Saetherocladus* Andersen et Mendes from Mata Atlântica, Brazil (Diptera: Chironomidae: Orthoclaadiinae). *Zootaxa*, 2608(1): 45-56. Available: <https://doi.org/10.11646/zootaxa.2608.1.3>.
- Andersen, T.; Sæther, O.A. & Contreras-Ramos, A. 2011a. New species and records of *Nandeva* Wiedenbrug, Reiss et Fittkau (Chironomidae: Chironominae). *Zootaxa*, 3136(1): 45-60. Available: <https://doi.org/10.11646/zootaxa.3136.1.2>. Access: 03/04/2025.
- Andersen, T.; Mendes, H.F. & Pinho, L.C. 2011b. A new species of *Saetherocryptus* Andersen et Mendes, 2007 from Brazil (Diptera: Chironomidae, Orthoclaadiinae). *Biota Neotropica*, 11(4): 73-76. Available: <https://doi.org/10.1590/S1676-06032011000400007>. Access: 03/04/2025.
- Andersen, T.; Mendes, H.F. & Pinho, L.C. 2017. Two new Neotropical Chironominae genera (Diptera: Chironomidae). *Chironomus Journal of Chironomidae Research*, 30: 26-54. Available: <https://doi.org/10.5324/cjcr.v0i30.2029>. Access: 03/04/2025.
- Arnaud Jr., P.H. 1963. Systematic studies in the tribe Neominthoini (Diptera, Tachinidae). *American Museum Novitates*, 2135: 1-55.
- Arndt, E. & Costa, C. 2001. Parasitism of Neotropical Tiger Beetles (Coleoptera: Carabidae: Cicindelinae) by *Anthrax* (Diptera: Bombyliidae). *Studies on Neotropical Fauna and Environment*, 36(1): 63-66. Available: <https://doi.org/10.1076/snfe.36.1.63.8885>. Access: 03/04/2025.
- Artigas, J.N.; Lewis, P.D. & Parra, L.E. 2005. Review and phylogeny of the genus *Tillobroma* Hull with the description of ten new species and its relation with the genus *Hypenetes* Loew (Diptera, Asilidae, Stenopogoninae). *Revista Chilena de Historia Natural*, 78(3): 519-588. Available: <https://doi.org/10.4067/S0716-078X2005000300012>. Access: 03/04/2025.
- Bächli, G. 2024. *TaxoDros: The Database on Taxonomy of Drosophilidae*, v. 1.04, Database 2024/3. Available: <https://www.taxodros.uzh.ch>. Access: 13/10/2024.
- Barretto, M.P. 1946. Estudos sobre tabânidas brasileiros. II. Sobre o gênero *Catachlorops* Lutz, 1909, com descrições de sete espécies novas (Diptera, Tabanidae). *Anais da Faculdade de Medicina, Universidade de São Paulo*, 22: 151-183.
- Barretto, M.P. 1947. Estudos sobre tabânidas brasileiros. IV. Sobre o gênero *Acanthocera* Macq., 1834, com as descrições de cinco novas espécies (Diptera, Tabanidae). *Anais da Faculdade de Medicina, Universidade de São Paulo*, 23: 89-115.
- Barretto, M.P. 1948. Estudos sobre tabânidas brasileiros. V. Sobre o gênero *Amphichlorops* Lutz, 1911, com as descrições de quatro espécies novas (Diptera, Tabanidae). *Revista de Entomologia*, 19(3): 401-417.
- Barretto, M.P. 1950. Estudos sobre tabânidas brasileiros. XIII. O gênero *Phaetotabanus* Lutz e descrição de dois novos gêneros (Diptera, Tabanidae). *Anais da Faculdade de Medicina, Universidade de São Paulo*, 25: 89-10.
- Barros, L.M.; Freitas-Silva, R.P. & Ale-Rocha, R. 2019. First records of *Leptopezella* Sinclair & Cumming (Diptera: Hybotidae: Ocydromiinae) from Brazil. *Zootaxa*, 4615(2): 397-400. Available: <https://doi.org/10.11646/zootaxa.4615.2.12>. Access: 03/04/2025.
- Bellodi, C.F.; Fusari, L.M. & Roque, F.O. 2016. New species and records of *Oukuriella* Epler, 1986 from the Neotropical region (Diptera: Chironomidae). *Zootaxa*, 4078(1): 187-196. Available: <https://doi.org/10.11646/zootaxa.4078.1.17>. Access: 03/04/2025.
- Bequaert, J.C. 1954. The Hippoboscidae or louse-flies (Diptera) of mammals and birds. Part II. Taxonomy, evolution and revision of American genera and species. *Entomologica Americana, New Series*, 34: 1-232.
- Bernardi, N. 1991. Notas sobre o gênero *Leptopyrgota* Hendel, com descrição de vinte e uma novas espécies do Brasil (Diptera, Pyrgotidae). *Revista Brasileira de Zoologia*, 7(3): 327-350. Available: <https://doi.org/10.1590/S0101-81751990000300015>. Access: 03/04/2025.
- Blatch, S.A.; Thompson, F.C. & Zumbado, M.A. 2003. A review of the Mesoamerican flower flies of the genus *Meromacrus* (Diptera: Syrphidae) including the description of a new species. *Studia Dipterologica*, 10: 13-36. Available: <https://doi.org/10.3390/insects11110791>. Access: 03/04/2025.
- Borges, Z.M. & Couri, M.S. 2009. Revision of *Toxomerus* Macquart, 1855 (Diptera: Syrphidae) from Brazil with synonymic notes, identification key to the species and description of three new species. *Zootaxa*, 2179: 1-72. Available: <https://doi.org/10.11646/zootaxa.2179.1.1>. Access: 03/04/2025.
- Borges, Z.M. & Pamplona, D.M. 2003. Revision of the Neotropical *Xanthandrus* Verrall (Diptera, Syrphidae). *Revista Brasileira de Entomologia*, 47(2): 155-167. Available: <https://doi.org/10.1590/S0085-56262003000200002>. Access: 03/04/2025.
- Borgmeier, T. 1960. Geflügelte und ungeflügelte Phoridae aus der neotropischen Region, nebst Beschreibung von sieben neuen Gattungen. *Studia Entomologica*, 3: 257-374.
- Borkent, A. 2008. The Frog-biting midges of the world (Corethrellidae: Diptera). *Zootaxa*, 1804: 1-456. Available: <https://doi.org/10.11646/zootaxa.1804.1.1>. Access: 03/04/2025.
- Borkent, A. 2014. World catalog of extant and fossil Chaoboridae (Diptera). *Zootaxa*, 3796(3): 469-493. Available: <https://doi.org/10.11646/zootaxa.3796.3.4>. Access: 03/04/2025.
- Borkent, C.J. & Wheeler, T.A. 2013. Phylogeny of the tribe Sciophilini (Diptera: Mycetophilidae: Sciophilinae). *Systematic Entomology*, 38(2): 407-427. Available: <https://doi.org/10.1111/syen.12002>. Access: 03/04/2025.
- Brown, B.V. 1987. Classification, reconstructed phylogeny and geographic history of the Neotropical phorid flies of the genus *Gymnophora* (Diptera: Phoridae). *Journal of Natural History*, 21(6): 1477-1524. Available: <https://doi.org/10.1080/00222938700770941>. Access: 03/04/2025.
- Brown, B.V. 2016. Two new bee-killing flies from Brazil (Insecta: Diptera: Phoridae: Melaloncha). *Biodiversity Data Journal*, 4: 1-9, e7715. Available: <https://doi.org/10.3897/BDJ.4.e7715>. Access: 03/04/2025.
- Brown, B.V.; Borkent, A.; Cumming, J.M.; Wood, D.M.; Woodley, N.E. & Zumbado, M.A. 2009. *Manual of Central America Diptera*. Volume 1. Ottawa, NRC Research Press. 714p.
- Brown, B.V.; Hash, J.M.; Hartop, E.A.; Porras, W. & Amorim, D.S. 2017. Baby Killers: Documentation and evolution of scuttle fly (Diptera: Phoridae) parasitism of ant (Hymenoptera: Formicidae) Brood. *Biodiversity*

- Data Journal*, 5: 1-9, e11277. Available: <https://doi.org/10.3897/BDJ.5.e11277>. Access: 03/04/2025.
- Buenaventura, E. & Pape, T. 2013. Revision of the New World genus *Peckia* Robineau-Desvoidy (Diptera: Sarcophagidae). *Zootaxa*, 3622(1): 1-87. Available: <https://doi.org/10.11646/zootaxa.3622.1.1>. Access: 03/04/2025.
- Calhau, J.; Coelho, L.A.; Kawada, R.; Lima, F.V.O. & Guillermo-Ferreira, R. 2016. Review of *Rhinotora* (Diptera, Heleomyzidae) with description of a new species and key to all known heleomyzid species from Brazil. *Zootaxa*, 4138(3): 513-533. Available: <https://doi.org/10.11646/zootaxa.4138.3.5>. Access: 03/04/2025.
- Câmara, J.T. & Rafael, J.A. 2016. *Neoplasta* Coquillett (Diptera: Empididae: Hemerodromiinae) from Brazil: new species and male description of *N. fortiseta* Smith. *Zootaxa*, 4084(2): 218-232. Available: <https://doi.org/10.11646/zootaxa.4084.2.3>. Access: 03/04/2025.
- Camargo, A. & Soares, M.M.M. 2024. Redescription of *Cerotainia brasiliensis* Schiner, 1867 (Diptera: Asilidae: Laphriinae). *Zeitschrift der Arbeitsgemeinschaft Österreichischer Entomologen*, 76: 33-44.
- Camargo, A.; Vieira, R. & Rafael, J.A. 2019. Revision of *Leinendera* Carrera, 1945 (Diptera: Asilidae: Asilinae) with description of two new species. *Zootaxa*, 4657(2): 291-316. Available: <https://doi.org/10.11646/zootaxa.4657.2.4>. Access: 03/04/2025.
- Camras, S. & Parrillo, P.P. 1985. Review of the New World *Stylogaster* (Diptera Conopidae). *Annals of the Entomological Society of America*, 78(1): 111-126. Available: <https://doi.org/10.1093/aesa/78.1.111>. Access: 03/04/2025.
- Carmo-Neto, A.M. do, Lamas, C.J.E. & Urso-Guimarães, M.V. 2024. The genus *Anaretella* Enderlein 1911 (Diptera: Cecidomyiidae: Lestremiinae) in South America, with description of a new species from Brazil. *Studies on Neotropical Fauna and Environment*, 59(3): 1228-1236. Available: <https://doi.org/10.1080/01650521.2024.2353008>. Access: 03/04/2025.
- Carrera, M. 1945a. Estudo sobre os gêneros *Glaphyropyga* e *Senoprosopis* com descrição de novo gênero e novas espécies. *Papéis Avulsos do Departamento de Zoologia*, 5(19): 175-192. Available: <https://doi.org/10.11606/0031-1049.1945.5p175-192>. Access: 03/04/2025.
- Carrera, M. 1945b. Pequenas notas sobre Asilidae (Diptera) I. Sobre algumas espécies dos gêneros *Townsendia*, *Hyphenetes* e *Aphamartania*, II. Descrição de uma nova espécie de *Hybozelodes* (Laphriinae). *Papéis Avulsos do Departamento de Zoologia*, 5(18): 167-174. Available: <https://doi.org/10.11606/0031-1049.1945.5p167-174>. Access: 03/04/2025.
- Carrera, M. 1949. Contribuição ao conhecimento dos Asilidae Neotropicais (Diptera). I. Sobre as espécies brasileiras com esporão na tibia. *Arquivos de Zoologia do Estado de São Paulo*, 7(1): 1-148. Available: <https://doi.org/10.11606/issn.2176-7793.195171-148>. Access: 03/04/2025.
- Carrera, M. 1952a. Sobre o gênero *Threnia* Schiner, 1866 (Diptera, Asilidae). *Papéis Avulsos do Departamento de Zoologia*, 10(12): 235-252. Available: <https://doi.org/10.11606/0031-1049.1952.10p235-252>. Access: 03/04/2025.
- Carrera, M. 1952b. Sobre a tribo Megapodini (Diptera, Asilidae, Dasygogninae). *Arquivos de Zoologia do Estado de São Paulo*, 8(2): 53-88. Available: <https://doi.org/10.11606/issn.2176-7793.1955853-88>. Access: 03/04/2025.
- Carrera, M. 1958. Dipteros de Boraceia. I. Asilidae. *Papéis Avulsos do Departamento de Zoologia*, 13(12): 141-154. Available: <https://doi.org/10.11606/0031-1049.1958.13.p141-154>. Access: 03/04/2025.
- Carrera, M. & Vulcano, M.A. 1961. Relação de alguns Asilidae (Diptera) e suas presas (IV). *Revista Brasileira de Entomologia*, 10: 67-80.
- Carvalho-Filho, F. da S. & Esposito, M.C. 2009. A review of the flower fly genus *Ornidia* Lepeletier & Serville (Diptera: Syrphidae) with the description of a new species from Brazil. *Zootaxa*, 2014: 59-64. Available: <https://doi.org/10.11646/zootaxa.2014.1.6>. Access: 03/04/2025.
- Castro-Guedes, C.F.; Dios, R.V.P. & Almeida, L.M. 2018. Parasitism of *Harmonia axyridis* (Pallas) (Coleoptera: Coccinellidae) by *Strongygaster brasiliensis* (Towsend) (Diptera: Tachinidae). *EntomoBrasilis*, 11(1): 49-51. Available: <https://doi.org/10.12741/ebrazilis.v11i1.713>. Access: 03/04/2025.
- Cezar, L.A.; Fisher, E.M. & Lamas, C.J.E. 2013. Four new species of *Oidardis* Hermann, 1912 (Diptera, Asilidae, Laphriinae, Atomosiini) from two major faunistic surveys in the Atlantic Rainforest. *ZooKeys*, 350: 47-74. Available: <https://doi.org/10.3897/zookeys.350.6096>. Access: 03/04/2025.
- Coher, E.I. 1959. A synopsis of American Mycomyiini with description of new species (Diptera – Mycetophilidae). *Entomologica Americana, New Series*, 38(1): 1-155.
- Cordeiro, D.P.; Zocca, C.; Ghilardi-Lopes, N.P. 2024. New records of the flower fly *Lejops barbiellinii* (Ceresa, 1934) (Diptera, Syrphidae) in the Atlantic Forest: integrating collection and citizen science data. *Entomological Communications*, 6: 1-4, ec06039. Available: <https://doi.org/10.37486/2675-1305.ec06039>. Access: 03/04/2025.
- Coscarón, S. & Iide, P. 2003. The subgenus *Scaptia* (*Lepmia*) Fairchild: Redescription of females and description of a male (Diptera: Tabanidae: Pangoniinae). *Memórias do Instituto Oswaldo Cruz*, 98(6): 757-760. Available: <https://doi.org/10.1590/S0074-02762003000600008>. Access: 03/04/2025.
- Coscarón, S. & Papavero, N. 2009. Catalogue of neotropical Diptera. Tabanidae. *Neotropical Diptera*, 16: 1-199.
- Coscarón, S.; Coscarón-Arias, C.L. & Papavero, N. 2008. Catalogue of neotropical Diptera. Simuliidae. *Neotropical Diptera*, 2: 1-90.
- Costa, D.N.R.; Mathis, W.N. & Marinoni, L. 2016. A revision of the shore-fly genus *Lamproclasiopa* Hendel (Diptera: Ephydriidae). *ZooKeys*, 631: 1-99. Available: <https://doi.org/10.3897/zookeys.631.10718>. Access: 03/04/2025.
- Costa, S.C.; Pirani, G. & Mathis, W.N. 2023. First record of Diastatidae (Diptera: Ephydroidea) from Brazil, with the description of a new species. *Zootaxa*, 5278(2): 378-386. Available: <https://doi.org/10.11646/zootaxa.5278.2.10>. Access: 03/04/2025.
- Couri, M.S. 2005. *Bithoracochaeta* Stein: descriptions and first records from Colombia. *Papéis Avulsos de Zoologia*, 45(21): 255-259. Available: <https://doi.org/10.1590/S0031-10492005002100001>. Access: 03/04/2025.
- Cunha, A.M. & Lamas, C.J.E. 2004a. Redescription of the pupae of *Hyperalonia morio morio* (Fabricius), 1775 (Diptera, Bombyliidae, Anthracinae, Exoprosopini). *Zootaxa*, 658(1): 1-5. Available: <https://doi.org/10.11646/zootaxa.658.1.1>. Access: 03/04/2025.
- Cunha, A.M. & Lamas, C.J.E. 2004b. Description of five *Anthrax* Scopoli puparia (Diptera, Bombyliidae, Anthracinae, Anthracini). *Zootaxa*, 741(1): 1-14. Available: <https://doi.org/10.11646/zootaxa.741.1.1>. Access: 03/04/2025.
- Curran, C.H. 1934. Review of the tachinid genus *Calodexia* Van der Wulp (Diptera). *American Museum Novitates*, 685: 1-21.
- Curran, C.H. 1942. American Diptera. *Bulletin of the American Museum of Natural History*, 80: 51-84.
- Czerny, L. 1932. Tyliden und Neriiden des zoologischen Museums in Hamburg (Dipt.). *Stettiner Entomologische Zeitung*, 93: 267-302.
- d'Andretta Jr., C. & Vulcano, M.A. 1950. Espécies neotropicais da família Simuliidae (Diptera, Nematocera). VI – Redescricao do *Simulium pertinax* Kollar, 1932. *Papéis Avulsos do Departamento de Zoologia*, 9: 193-231. Available: <https://doi.org/10.11606/0031-1049.1950.9p193-213>. Access: 03/04/2025.
- De Meyer, M. 1996. World catalogue of Pipunculidae. *Studiedocumenten van het K.B.I.N.*, 86: 1-127.
- de Paula, L.C.B.; Dios, R. de V.P.; Gudín, F.M.; Santis, M.D. de; Alvarez-García, D.M.; Antunes Júnior, M.; Freire, B.V.; Marques, F.P. de L.; Lahr, D.J.G. & Nihei, S.S. 2024. Phylogenomic analysis of Tachinidae (Diptera: Ca-

- lypratae: Oestroidea): a transcriptomic approach to understanding the subfamily relationships. *Cladistics*, 40(1): 64-81. Available: <https://doi.org/10.1111/cla.12562>. Access: 03/04/2025.
- Dean, W. 1996. *A Ferro e Fogo – A História e a devastação da Mata Atlântica Brasileira*. São Paulo, Cia. das Letras. 2004. 484p.
- Dios, R. de V.P. & Nihei, S.S. 2020. Taxonomic revision of the genus *Trichopoda* Berthold, 1827 (Diptera: Tachinidae: Phasiinae), with emphasis on the Neotropical fauna. *Zootaxa*, 4870(1): 1-104. Available: <https://doi.org/10.11646/zootaxa.4870.1.1>. Access: 03/04/2025.
- Dios, R. de V.P. & Santis, M.D. 2019. A new synonym for *Zelia* Robineau-Desvoidy, 1830 (Diptera, Tachinidae), the genus *Opsozelia* Townsend, 1919, with the description of three new species. *ZooKeys*, 880: 113-133. Available: <https://doi.org/10.3897/zookeys.880.35482>. Access: 03/04/2025.
- Duarte, M.; Silveira, L.F. & Casari, S.A. 2024. *Estação Biológica de Boraceia: contribuição da Universidade de São Paulo para o estudo e a conservação da Mata Atlântica/Boraceia Biological Station: contribution of the University of São Paulo to the study and conservation of the Atlantic Forest*. São Paulo, Museu de Zoologia da USP. 120p.
- Duarte, M.; Silveira, L.F. & Lamas, C.J.E. 2025. Celebration of the 70th anniversary of the Estação Biológica de Boraceia (Salesópolis, São Paulo, Brazil): science, conservation, and commitment to future generations. *Papéis Avulsos de Zoologia*, 65(special issue1): 1-4, e234164. Available: <https://doi.org/10.11606/1807-0205/2025.65.special-issue-1.01>. Access: 03/04/2025.
- Duret, J.P. 1977. Notas sobre el género *Austrosynapha* Tonnoir, 1929. (Diptera, Mycetophilidae). *Neotropica*, 23(69): 69-80.
- Duret, J.P. 1980a. Dos subgéneros y tres especies nuevas de *Austrosynapha* Tonnoir, 1929 (Diptera Mycetophilidae). *Neotropica*, 26(76): 145-153.
- Duret, J.P. 1980b. Notas sobre el género *Tetragoneura* Winnertz, 1846 (Diptera, Mycetophilidae). *Acta Zoologica Lilloana*, 36(1): 103-119.
- Dutra, M.C.P. & Carmo, D.D.D. 2024. An illustrated list for the Tabanidae (Diptera: Brachycera) from thirteen localities of the São Paulo state and re-description of *Catachlorops (Amphichlorops) flavus* (Wiedemann). *Studies on Neotropical Fauna and Environment*, 59(3): 1-51. Available: <https://doi.org/10.1080/01650521.2024.2343167>. Access: 03/04/2025.
- Edwards, F.W. 1938. Bibionidae (Diptera) collected by Mr. F. Plaumann in Brazil. *The Annals and Magazine of Natural History, Serie 11*, (2): 321-330. Available: <https://doi.org/10.1080/00222933808526855>. Access: 03/04/2025.
- Edwards, F.W. 1941. Mycetophilidae (Diptera) collected by the expedition to Mato Grosso of Brazilian Zoological Club, in July 1939. *Revista de Entomologia*, 12(1-2): 303-314.
- Enderlein, G. 1922. Klassifikation der Micropeziden. *Archiv für Naturgeschichte (A)*, 88: 140-229.
- Engel, M.S.; Ceriaco L.M.P.; Daniel, G.M.; Dellapé, P.M.; Löbl, I.; Marinov, M.; Reis, R.E.; Young, M.T.; Dubois, A.; Agarwal, I.; Lehmann, A.P.; Alvarado, M.; Alvarez, N.; Andreone, F.; Araujo-Vieira, K.; Ascher, J.S.; Baêta, D.; Baldo, D.; Bandeira, S.A & Zacharie, C.K. 2021. The taxonomic impediment: a shortage of taxonomists, not the lack of technical approaches. *Zoological Journal of the Linnean Society*, 193(2): 381-387. Available: <https://doi.org/10.1093/zoolin/zlab072>. Access: 03/04/2025.
- Evenhuis, N.L. 2006. Catalog of the Keroplatidae of the World (Insecta: Diptera). *Bishop Museum Bulletins in Entomology*, 13: 1-178.
- Evenhuis, N.L. & Greathead, D.J. 1999. *World catalog of bee flies (Diptera: Bombyliidae)*. Leiden, Backhuys Publishers. 756p.
- Fachin, D.A. & Amorim, D.S. 2015. Taxonomic revision and cladistic analysis of the Neotropical genus *Acrochaeta* Wiedemann, 1830 (Diptera: Stratiomyidae: Sarginae). *Zootaxa*, 4050(1): 1-110. Available: <https://doi.org/10.11646/zootaxa.4050.1.1>. Access: 03/04/2025.
- Fachin, D.A.; Amaral, E.M. & Falaschi, R.L. 2024. Puparium of *Merosargus cingulatus* Schiner, 1868 and *Ptecticus lanei* James, 1941 (Diptera: Stratiomyidae: Sarginae), with new geographical records for the species and a list of all known immatures of the subfamily. *Zootaxa*, 5406(3): 421-440. Available: <https://doi.org/10.11646/zootaxa.5406.3.2>. Access: 03/04/2025.
- Fachin, D.A.; Buzati, V.R.D.S.; Silva, V.C. & Onody, H.C. 2023. Soldier flies (Diptera: Stratiomyidae) on semideciduous seasonal forest fragments, with a list of species for São Paulo State, Brazil, and two new records of species for the country. *Revista Brasileira de Entomologia*, 67: 315-359. Available: <https://doi.org/10.1590/1806-9665-rbent-2023-0006>. Access: 24/08/2025.
- Fairchild, G.B. 1984. Notes on Neotropical Tabanidae (Dipt.). – XX. The larger species of *Tabanus* of eastern South America. *Contributions of the American Entomological Institute*, 21(3): 1-50.
- Fairchild, G.B. & Wilkerson, R.C. 1986. A review of the Neotropical genus *Stypommisa* (Dipt.: Tabanidae). *Contributions of the American Entomological Institute*, 22(5): 1-61.
- Falaschi, R.L. & Amorim, D.S. 2009. Review of the Neotropical species of *Nervijuncta* Marshall, 1896 (Diptera, Ditomiyidae). *Zootaxa*, 2219(1): 18-30. Available: <https://doi.org/10.11646/zootaxa.2219.1.2>. Access: 03/04/2025.
- Falaschi, R.L.; Albertoni, F.F. & Maria Fusari, L. 2014. A new species of *Forcipomyia (Microhelea)* Meigen (Insecta: Diptera: Ceratopogonidae) from the Neotropical region. *Zootaxa*, 3878(4): 379-389. Available: <https://doi.org/10.11646/zootaxa.3878.4.4>. Access: 03/04/2025.
- Falaschi, R.L.; Amaral, E.M. & Lamas, C.J.E. 2020. Catalogue of Rangomaramidae (Diptera: Bibionomorpha) types housed in the collection of the Museu de Zoologia da Universidade de São Paulo, Brazil. *Papéis Avulsos de Zoologia*, 60(15): 1-4, e20206015. Available: <https://doi.org/10.11606/1807-0205/2020.60.15>. Access: 03/04/2025.
- Falaschi, R.L.; Oliveira, S.S. & Lamas, C.J.E. 2016. Catalogue of Anisopodidae (Diptera: Bibionomorpha) types housed in the collection of the Museu de Zoologia da Universidade de São Paulo, Brazil. *Revista Brasileira de Entomologia*, 60: 24-29. Available: <https://doi.org/10.1016/j.rbe.2015.11.006>. Access: 03/04/2025.
- Ferro, G.B. & de Carvalho, C.J.B. 2014. A pictorial key and diagnosis of the Brazilian genera of Micropezidae (Diptera, Neriioidea). *Revista Brasileira de Entomologia*, 58(1): 52-62. Available: <https://doi.org/10.1590/S0085-56262014000100009>. Access: 03/04/2025.
- Ferro, G.B. & Marshall, S.A. 2018. Revision of the Neotropical ant-like genus *Cardiacephala* Macquart, including *Plocoscelus* Enderlein syn. nov. (Diptera: Micropezidae, Taeniapterinae). *Zootaxa*, 4429(3): 401-458. Available: <https://doi.org/10.11646/zootaxa.4429.3.1>. Access: 03/04/2025.
- Fisher, E.M. 1986. *A Reclassification of the Robber Fly Tribe Andrenosomini, with a revision of the genus Dasyllis Loew (Diptera: Asilidae)*. (Unpublished Doctoral Thesis). Riverside, University of California. 379p.
- Fitzgerald, S.J. 1998. Eighteen new species of Neotropical *Plecia* (Diptera: Bibionidae) and taxonomic notes on the genus. *Transactions of the American Entomological Society*, 124(2): 133-166.
- Fitzgerald, S.J. 2021. *Penthetria* Meigen (Diptera: Bibionidae): Revision of new World species and world catalog. *Zootaxa*, 4926(4): 451-500. Available: <https://doi.org/10.11646/zootaxa.4926.4.1>. Access: 03/04/2025.
- Fitzgerald, S.J. 2023. Bibionidae (Diptera) of Guatemala. In: Schuster, J.C.; Yoshimoto, J. & Sierra, J.M. (Eds.). *Biodiversidad de Guatemala*. Guatemala, Universidad del Valle de Guatemala. v. 3, cap. 6, p. 95-104.
- Footo, R.H. 1967. Family Tephritidae (Trypetidae, Trupaneidae). *Catalogue of the Diptera of the Americas South of the United States*, São Paulo, Secretaria da Agricultura. n. 57, 91p.
- Fusari, L.M.; Bellodi, C.F. & Roque, F.O. 2014. A new species of sponge-dwelling *Oukuriella* (Chironomidae) from Brazil. *Zootaxa*, 3764(4): 418-426. Available: <https://doi.org/10.11646/zootaxa.3764.4.2>. Access: 03/04/2025.

- Gaimari, S.D. & Silva, V.C. 2020. A conspectus of Neotropical Lauxaniidae (Diptera: Lauxaniodea). *Zootaxa*, 4862(1): 1-217. Available: <https://doi.org/10.11646/zootaxa.4862.1.1>. Access: 03/04/2025.
- Gil-Azevedo, L.H. 2010. Review and phylogeny of *Lutzsimulium* (Diptera: Simuliidae). *Zoologia*, 27: 761-788. Available: <https://doi.org/10.1590/S1984-46702010000500014>. Access: 03/04/2025.
- Gil-Azevedo, L.H. & Lamas, C.J.E. 2021. An illustrated catalogue of the types of Blephariceridae (Diptera) in the collection of Museu de Zoologia da Universidade de São Paulo, Brazil. *Papéis Avulsos de Zoologia*, 61: e20216161. Available: <https://doi.org/10.11606/1807-0205/2021.61.61>. Access: 03/04/2025.
- González, C.T.; Wcislo, W.T.; Cambra, R.; Wheeler, T.A. & Fernández-Marín, H. 2016. A new ectoparasitoid species of *Pseudogaurax* Malloch, 1915 (Diptera: Chloropidae), attacking the fungus-growing ant, *Apterostigma dentigerum* Wheeler, 1925 (Hymenoptera: Formicidae). *Annals of the Entomological Society of America*, 109(4): 639-645. Available: <https://doi.org/10.1093/aesa/saw023>. Access: 03/04/2025.
- Gottschalk, M.S.; Hofmann, P.R.P. & Valente, V.L.S. 2008. Diptera, Drosophilidae: historical occurrence in Brazil. *Check List*, 4(4): 485-518. Available: <https://doi.org/10.15560/4.4.485>. Access: 03/04/2025.
- Gracioli, G.; Autino, A.G. & Claps, G.L. 2007. Catalogue of American Nycteribiidae (Diptera, Hippobocoidea). *Revista Brasileira de Entomologia*, 51(2): 142-159. Available: <https://doi.org/10.1590/S0085-56262007000200004>. Access: 03/04/2025.
- Gray, C.; Hill, S.; Newbold, T.; Hudson, L.N.; Börger, L.; Contu, S.; Hoskins, A.J.; Ferrier, S.; Purvis, A. & Scharlemann, J.P.W. 2016. Local biodiversity is higher inside than outside terrestrial protected areas worldwide. *Nature Communications*, 7: 1-7, e12306. Available: <https://doi.org/10.1038/ncomms12306>. Access: 20/08/2025.
- Gudin, F.M. & Nihei, S.S. 2019. Taxonomic revision of the Neotropical genus *Ormiophasia* Townsend, 1919 (Diptera: Tachinidae), with the description of eight new species. *Zootaxa*, 4643(1): 1-74. Available: <https://doi.org/10.11646/zootaxa.4643.1.1>. Access: 03/04/2025.
- Guimarães, J.H. 1966. Revisão parcial do gênero *Adejeania* Townsend, 1913 (Diptera, Tachinidae), com especial referência às espécies brasileiras. *Arquivos de Zoologia*, 14: 155-196. Available: <https://doi.org/10.11606/issn.2176-7793.196614155-196>. Access: 03/04/2025.
- Guimarães, J.H. 1972. A review of the genus *Trichodura* Macquart (Diptera, Tachinidae). *Arquivos de Zoologia*, 22: 1-25. Available: <https://doi.org/10.11606/issn.2176-7793.v22i1p1-25>. Access: 03/04/2025.
- Guimarães, J.H. 1976. A review of the tribe iceliini (Diptera, Tachinidae) with descriptions of one new genus and two new species from Brazil. *Studia Entomologica*, 19: 173-186.
- Guimarães, J.H. 1977a. A review of the tribe Oestrophasiini Brauer & Bergenstamm (Diptera, Tachinidae). *Papéis Avulsos de Zoologia*, 30(15): 215-238. Available: <https://doi.org/10.11606/0031-1049.1977.30.p215-238>. Access: 03/04/2025.
- Guimarães, J.H. 1977b. A revision of the genus *Paratheresia* Townsend (Diptera: Tachinidae, Theresiini). *Papéis Avulsos de Zoologia*, 30(18): 267-288. Available: <https://doi.org/10.11606/0031-1049.1977.30.p267-288>. Access: 03/04/2025.
- Guimarães, J.H. 1977c. A systematic revision of the Mesembrinellidae, stat. nov. (Diptera, Cyclorrhapha). *Arquivos de Zoologia*, 29(1): 1-109. Available: <https://doi.org/10.11606/issn.2176-7793.v29i1p1-109>. Access: 03/04/2025.
- Guimarães, J.H. 1978a. *Hyalomyodes brasiliensis* Townsend (Diptera, Tachinidae), a parasite of the introduced pest *Lagria villosa* Fabricius (Coleoptera, Lagriidae). *Papéis Avulsos de Zoologia*, 32(8): 35-40. Available: <https://doi.org/10.11606/0031-1049.1978.32.p35-40>. Access: 03/04/2025.
- Guimarães, J.H. 1978b. Note on Neotropical Oedematocerini, with a new genus and species Hagenfrom Brazil (Diptera, Tachinidae). *Papéis Avulsos de Zoologia*, 31(19): 299-305. Available: <https://doi.org/10.11606/0031-1049.1978.31.p299-305>. Access: 03/04/2025.
- Guimarães, J.H. 1980. Revision of the south american Uramyini (Diptera, Tachinidae). *Papéis Avulsos de Zoologia*, 33(10): 191-219. Available: <https://doi.org/10.11606/0031-1049.1980.33.p191-219>. Access: 03/04/2025.
- Guimarães, J.H. 1982. A study of the South American Sophiini, with the description of new genera and species from Brazil (Diptera, Tachinidae). *Revista Brasileira de Entomologia*, 26(2): 163-171.
- Guimarães, J.H. & Papavero, N. 1966. A contribution to the knowledge of the neotropical Rhinotoridae (Diptera, Acalypratae). *Papéis Avulsos do Departamento de Zoologia*, 18(23): 261-269. Available: <https://doi.org/10.11606/0031-1049.1966.18p261-269>. Access: 03/04/2025.
- Hagenlund, L.K.; Andersen, T. & Mendes, H.F. 2010. New species of *Lopescladius* (*Cordiella*) Coffman et Roback (Chironomidae: Orthocla-diinae) from Brazil. *Zootaxa*, 2728(1): 39-49. Available: <https://doi.org/10.11646/zootaxa.2728.1.3>. Access: 03/04/2025.
- Hardy, D.E. 1945. Revision of Nearctic Bibionidae, including Neotropical *Plecia* and *Penthetria* (Diptera). *Kansas University Science Bulletin*, 30(15): 367-547.
- Hardy, D.E. 1954. Neotropical Dorilaidae studies, Part III. Brazilian species and key to the known species of *Dorilas* sens. lat. *Boletim do Museu Nacional do Rio de Janeiro*, 123: 1-60.
- Hardy, D.E. 1966. Family Bibionidae. In: Papavero, N. (Ed.). *A Catalogue of the Diptera of the Americas south of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo, 1-20.
- Haseyama, K.L.F.; Shimabukuro, P.H.F.; Kirst, F.D. & Falaschi, R.L. 2024. A questionnaire survey of the Brazilian dipterological research Community. *Zoologia (Curitiba)*, 41: 1-2, e23012. Available: <https://doi.org/10.1590/S1984-4689.v41.e23012>. Access: 03/04/2025.
- Henao-Sepúlveda, C.; Wolff, M. & Amorim, D.S. 2019. Revision of the Neotropical *Neuratelia* Rondani (Diptera, Mycetophilidae, Sciophilinae): two new species, a new combination, and a new synonym. *ZooKeys*, 861: 63-79. Available: <https://doi.org/10.3897/zookeys.861.32835>. Access: 03/04/2025.
- Hennig, W. 1935. Revision der Tyliden (Dipt., Acalypt.). I. Teil: Die Taenipterinae Amerikas. *Stettiner Entomologische Zeitung*, 96: 27-67.
- Henriques, A.L. 1997. A coleção de Tabanidae (Insecta-Diptera) do Instituto Nacional de Pesquisas da Amazônia (INPA), Manaus, Amazonas, Brasil. *Boletim Museu Paraense Emílio Goeldi, Zoologia*, 11(1): 57-99.
- Henriques, A.L. & Gorayeb, I.S. 1993. A coleção de Tabanidae (Insecta: Diptera) do Museu Paraense Emílio Goeldi, Belém, Pará, Brasil. *Goeldiana, Zoologia*, 20: 1-23.
- Henriques, A.L. & Rafael, J.A. 1992. Notes on the neotropical genus *Acanthocera* Macquart (Diptera, Tabanidae) with description of four new species. *Goeldiana, Zoologia*, 13: 1-13.
- Henriques, A.L. & Rafael, J.A. 1995. Revisão do gênero neotropical *Acanthocera* Macquart (Diptera, Tabanidae). *Acta Amazonica*, 23(4): 403-440. Available: <https://doi.org/10.1590/1809-43921993234440>. Access: 03/04/2025.
- Hull, F.M. 1942. The flies of the genus *Meromacrus* (Syrphidae). *American Museum Novitates*, 1200: 1-11.
- Hull, F.M. 1949. The genus *Baccha* from the New World. *Entomologica Americana*, 27(3/4): 89-291, 1947.
- liide, P. 1966. Estudo sobre as espécies brasileiras do gênero *Chrysochlorina* James, 1939 (Diptera, Stratiomyidae). *Arquivos de Zoologia do Estado de São Paulo*, 14(2): 69-113. Available: <https://doi.org/10.11606/issn.2176-7793.19661469-113>. Access: 03/04/2025.

- James, M.T. 1977. The South American species of *Oplachantha* (Diptera: Stratiomyidae). *The Canadian Entomologist*, 109(2): 305-315. Available: <https://doi.org/10.4039/Ent109305-2>. Access: 03/04/2025.
- James, M.T. & McFadden, M.W. 1971. The genus *Merosargus* in Middle America and the Andean Subregion (Diptera: Stratiomyidae). *Melanderia*, 7(2): 1-76.
- Klymko, J. & Marshall, S.A. 2011. Systematics of New World *Curtonotum* Macquart (Diptera: Curtonotidae). *Zootaxa*, 3079(1): 1-110. Available: <https://doi.org/10.11646/zootaxa.3079.1.1>. Access: 03/04/2025.
- Kosmann, C.; Mello, R.P. de; Harterreiten-Souza, E.S. & Pujol-Luz, J.R. 2013. A list of current valid blow fly names (Diptera: Calliphoridae) in the Americas South of Mexico with key to the Brazilian species. *EntomoBrasilis*, 6(1): 74-85. Available: <https://doi.org/10.12741/ebrazilis.v6i1.266>. Access: 03/04/2025.
- Krolow, T.K. & Henriques, A.L. 2010. Taxonomic revision of the New World genus *Chlorotabanus* Lutz, 1913 (Diptera: Tabanidae). *Zootaxa*, 2656(1): 1-40. Available: <https://doi.org/10.11646/zootaxa.2656.1.1>. Access: 03/04/2025.
- Kurina, O.; Hippa, H. & Amorim, D.S. 2018. A contribution to the systematics of the genus *Manota* Williston (Diptera: Mycetophilidae) in Brazil. *Zootaxa*, 4472(1): 1-59. Available: <https://doi.org/10.11646/zootaxa.4472.1.1>. Access: 03/04/2025.
- Lamas, C.J.E.; Fachin, D.A.; Falaschi, R.L.; Alcantara, D.M.C.; Ale-Rocha, R.; Amorim, D.S.; Araújo, M.X.; Ascendino, S.; Baldassio, L.; Bellodi, C.F.; Bravo, F.; Calhau, J.; Capellari, R.S.; Carmo-Neto, A.M.; Cegolin, B.M.; Couri, M.S.; de Carvalho, C.J.B.; Dios, R.V.P.; Falcon, A.V.G.; Fusari, L.M.; Garcia, C.A.; Gil-Azevedo, L.H.; Gomes, M.M.; Graciolli, G.; Gudín, F.M.; Henriques, A.L.; Krolow, T.K.; Mendes, L.L.; Limeira-de-Oliveira, F.; Maia, V.C.; Marinoni, L.; Mello, R.L.; Mello-Patiu, C.A.; Morales, M.N.; Oliveira, S.S.; Patiú, C.; Proença, B.; Pujol-Luz, C.V.A.; Pujol-Luz, J.R.; Rafael, J.A.; Riccardi, P.R.; Rodrigues, J.P.V.; Roque, F.O.; Sallum, M.A.M.; Santis, M.D.; Santos, C.M.D.; Santos, J.R.; Savaris, M.; Shimabukuro, P.H.F.; Silva, V.C.; Schelesky-Prado, D.C.; Silva-Neto, A.M.; Camargo, A.; Sousa, V.R.; Urso-Guimarães, M.V.; Wiedenbrug, S.; Yamaguchi, C. & Nihei, S.S. 2023. The SISBIOTA-Diptera Brazilian Network: A long-term survey of Diptera from unexplored Brazilian Western Arc of Amazon, Cerrado, and Pantanal. *Revista Brasileira de Entomologia*, 67(4): 1-19, e20230051. Available: <https://doi.org/10.1590/1806-9665-rbent-2023-0051>. Access: 12/12/2024.
- Lane, J. 1948a. Mycetophilidae de Boracéia, São Paulo (Diptera, Mycetophilidae). *Revista de Entomologia*, 19(1-2): 231-278.
- Lane, J. 1948b. "Mycetophilidae" do Brasil (Diptera, Nematocera). *Revista Brasileira de Biologia*, 8(2): 247-254.
- Lane, J. 1950. New Brazilian "*Leia*" Meigen, 1818 (Diptera, Mycetophilidae). *Revista Brasileira de Biologia*, 10: 121-131.
- Lane, J. 1952a. Some new Brazilian Mycetophilidae (Diptera, Nematocera). *Dusenía*, 3(2): 131-140.
- Lane, J. 1952b. Neotropical *Mycetophila* (Diptera, Mycetophilidae). *Dusenía*, 3(6): 421-434.
- Lane, J. 1952c. Neotropical "*Tetragoneura*" (Diptera, Mycetophilidae, Sciophilinae). *Revista Brasileira de Biologia*, 12(4): 401-409.
- Lane, J. 1954a. Neotropical Gnoristini (Diptera, Mycetophilidae). *Revista Brasileira de Entomologia*, 1: 93-112.
- Lane, J. 1954b. Revision of the genus *Epicrypta* Winnertz, 1863 in the neotropical region. *Revista Brasileira de Entomologia*, 2: 111-138.
- Lane, J. 1956. New Mycetophilidae from the neotropics (Diptera, Mycetophilidae). *Revista Brasileira de Entomologia*, 5: 147-160.
- Lane, J. 1958a. Mycetophilidae, chiefly from Argentina. In: International Congress of Entomology, Montreal, 1956. *Proceedings*. v. 1, p. 143-162.
- Lane, J. 1958b. Further new "*Mycetophila*" (Diptera, Mycetophilidae, Mycetophilinae). *Revista Brasileira de Biologia*, 18(4): 397-408.
- Lane, J. 1959. Note on Neotropical "Mycetophilidae" (Diptera, Nematocera). *Revista Brasileira de Biologia*, 19(2): 183-190.
- Lane, J. & d'Andretta Jr., C. 1956. Brazilian Blepharoceridae (Diptera, Nematocera). *Annals and Magazine of Natural History, Serie 12*, (9): 117-201. Available: <https://doi.org/10.1080/00222935608655806>. Access: 03/04/2025.
- Lane, J. & d'Andretta Jr., C. 1958. Neotropical Anisopodidae (Diptera, Nematocera). *Studia Entomologica*, 1: 497-528.
- Lima, A.M.A. & Silva, V.C. 2015. Four new Neotropical species of *Trigonometopus* Macquart, 1835 (Diptera, Lauxaniidae). *Papéis Avulsos de Zoologia*, 55(9): 131-142. Available: <https://doi.org/10.1590/0031-1049.2015.55.09>. Access: 03/04/2025.
- Lima, S.; Vieira, R.; Camargo, A. & Chagas, C. 2017. *Ommatius*: synonyms, new record, redescription of *Ommatius erythropus* and description of the female of *Ommatius trifidus* (Diptera: Asilidae: Ommatiinae). *Zoologia*, 34: 1-11. Available: <https://doi.org/10.3897/zoologia.34.e20784>. Access: 03/04/2025.
- Löbl, I.; Klausnitzer, B.; Hartmann, M. & Krell, F.T. 2023. The silent extinction of species and taxonomists – an appeal to science policymakers and legislators. *Diversity*, 15(10): 1-17, 1053. Available: <https://doi.org/10.3390/d15101053>. Access: 03/04/2025.
- Lonsdale, O. 2019. Review of the families Tanypezidae and Strongylophthalmyiidae, with a revision of *Neotanypeza Hendel* (Diptera: Schizophora). *Smithsonian Contributions to Zoology*, 641: 1-60.
- Lonsdale, O. & Marshall, S.A. 2007. Revision of the New World *Heteromeria* (Diptera: Clusiidae: Clusiodinae). *Beiträge Zur Entomologie = Contributions to Entomology*, 57(1): 37-80. Available: <https://doi.org/10.21248/contr.entomol.57.1.37-80>. Access: 03/04/2025.
- Lonsdale, O. & Marshall, S.A. 2012. *Sobarocephala* (Diptera: Clusiidae: Sobarocephalinae) – subgeneric classification and revision of the New World species. *Zootaxa*, 3370: 1-307. Available: <https://doi.org/10.11646/zootaxa.3370.1.1>. Access: 03/04/2025.
- Löwenberg-Neto, P. & de Carvalho, C.J.B. 2013. Muscidae (Insecta: Diptera) of Latin America and the Caribbean: geographic distribution and check-list by country. *Zootaxa*, 3650: 1-147. Available: <https://doi.org/10.11646/zootaxa.3650.1.1>. Access: 03/04/2025.
- Maa, T.C. 1962. Notes on the Hippoboscidae (Diptera). *Pacific Insects*, 4(3): 583-614.
- Machado, G.L.C.M. & Fachin, D.A. 2025. Only the beginning: the high species diversity of soldier flies (Diptera: Stratiomyidae) in a Cerrado protected area of semideciduous seasonal forests in Goiás, Brazil. *Revista Brasileira de Entomologia*, 69(1): 1-20, e20240134. Available: <https://doi.org/10.1590/1806-9665-rbent-2024-0134>. Access: 24/08/2025.
- Madeira-Ott, T.; Souza, C.M.; Bunde, P.R.; Ries, A.C.; Blochtein, B. & Thyssen, P.J. 2022. Forensically relevant flesh flies (Diptera, Sarcophagidae, Sarcophaginae) of Southern Brazil. *Journal of Medical Entomology*, 59(2): 488-507. Available: <https://doi.org/10.1093/jme/tjab210>. Access: 03/04/2025.
- MapBiomias. 2023. *Destaques do Mapeamento Anual da Cobertura e Uso da Terra no Brasil 1985 a 2021: Mata Atlântica*. Available: <https://brasil.mapbiomas.org>. Access: 20/08/2025.
- Marques, D.W.A. & Rafael, J.A. 2024. *Pipunculidae in Catálogo Taxonômico da Fauna do Brasil*. Available: <http://fauna.jbrj.gov.br/fauna/faunadobrasil/1338>. Access: 24/09/2024.
- Marques, M.C.M.; Trindade, W.; Bohn, A. & Grelle, C.E.V. 2021. The Atlantic Forest: An introduction to the megadiverse Forest of South America. In: Marques, M.C.M. & Grelle, C.E.V. (Eds.). *The Atlantic Forest: history, biodiversity, threats and opportunities of the mega-diverse forest*.

- Cham, Springer International Publishing. p. 3-23. Available: https://doi.org/10.1007/978-3-030-55322-7_1.
- Marshall, S.A. 2020. Revision of the genus *Systellapha* Enderlein (Micropezidae, Taeniapterinae). *Zootaxa*, 4751(2): 369-376. Available: <https://doi.org/10.11646/zootaxa.4751.2.11>. Access: 03/04/2025.
- Matile, L. 1996. Révision des *Cluzobra* néotropicaux (Diptera: Mycetophilidae). *Annales de la Société Entomologique de France*, 32(1): 3-57. Available: <https://doi.org/10.1080/21686351.1996.12278851>. Access: 03/04/2025.
- Mello, R.L. & Lamas, C.J.E. 2011. A catalogue of types of Conopoidea, Diopsoidea, Nerioida and Tephritoidea (Diptera, Schizophora) in the collection of the Museu de Zoologia da Universidade de São Paulo. *Revista Brasileira de Entomologia*, 55(2): 187-205. Available: <https://doi.org/10.1590/S0085-56262011005000021>. Access: 03/04/2025.
- Mello, R.L.; Lamas, C.J.E. & Rafael, J.A. 2010. Revision of the Neotropical genus *Carrerapyrgota* Aczél (Diptera, Pyrgotidae) with the description of two new species. *Zootaxa*, 2515: 45-64. Available: <https://doi.org/10.11646/zootaxa.2515.1.3>. Access: 03/04/2025.
- Mendes, H.F. & Andersen, T. 2008. A review of *Antillocladius* Sæther and *Litocladius* Mendes, Andersen et Sæther, with the description of two new Neotropical genera (Diptera, Chironomidae, Orthoclaudiinae). *Zootaxa*, 1887(1): 1-75. Available: <https://doi.org/10.11646/zootaxa.1887.1.1>. Access: 03/04/2025.
- Mendes, H.F. & Andersen, T. 2012. *Pebapomberus*, um gênero novo de Orthoclaudiinae do Brasil (Diptera: Chironomidae). *Biota Neotropica*, 12: 25-31. Available: <https://doi.org/10.1590/S1676-06032012000200003>. Access: 03/04/2025.
- Mendes, H.F. & Andersen, T. 2013. *Jururumberus*, a new genus of Orthoclaudiinae (Diptera: Chironomidae) from Brazil. *Biota Neotropica*, 13(4): 71-76. Available: <https://doi.org/10.1590/S1676-06032013000400007>. Access: 03/04/2025.
- Mendes, H.F.; Andersen, T. & Sæther, O.A. 2004. A review of *Antillocladius* Sæther, 1981; *Comptosmittia* Sæther, 1981 and *Litocladius* new genus (Chironomidae, Orthoclaudiinae). *Zootaxa*, 594: 1-82. Available: <https://doi.org/10.11646/zootaxa.594.1.1>. Access: 03/04/2025.
- Menezes, M.A.; Santos, J.R. & Mello-Patiu, C.A. 2020. A new flesh fly species of *Oxysarcodexia* Townsend from the Brazilian Atlantic Forest and redescription of *Oxysarcodexia xon* (Dodge, 1968). *Papéis Avulsos de Zoologia*, 60(43): 1-11, e20206043. Available: <https://doi.org/10.11606/1807-0205/2020.60.43>. Access: 03/04/2025.
- Mengual, M. 2011. Black-tie dress code: two new species of the genus *Toxomerus* (Diptera, Syrphidae). *Zookeys*, 140: 1-26. Available: <https://doi.org/10.3897/zookeys.140.1930>. Access: 03/04/2025.
- Mengual, M.; Ruiz, C.; Rojo, S.; Ståhls, G. & Thompson, F.C. 2009. A conspectus of the flower fly genus *Allograpta* (Diptera: Syrphidae) with description of a new subgenus and species. *Zootaxa*, 2214(1): 1-28. Available: <https://doi.org/10.11646/zootaxa.2214.1.1>. Access: 03/04/2025.
- Metz, M.A. & Thompson, F.C. 2001. A revision of the larger species of *Toxomerus* (Diptera: Syrphidae) with description of a new species. *Studia Dipterologica*, 8: 225-256.
- Milward-de-Azevedo, E.M.V. 1980. Descrição da genitália externa dos machos de três espécies de *Condylostylus* Bigot, 1859 (Diptera, Dolichopodidae). *Revista Brasileira de Zoologia*, 40(2): 207-216.
- Miranda, G.F.G. 2017. Identification key for the genera of Syrphidae (Diptera) from the Brazilian Amazon and new taxon records. *Acta Amazonica*, 47(1): 53-62. Available: <https://doi.org/10.1590/1809-4392201601022>. Access: 03/04/2025.
- Miranda, G.F.G.; Marshall, S.A. & Skevington, J.H. 2014. Revision of the genus *Pelecinobaccha* Shannon, description of *Relictanum* gen. nov., and redescription of *Atylobaccha flukiella* (Curran, 1941) (Diptera: Syrphidae). *Zootaxa*, 3819(1): 1-154. Available: <https://doi.org/10.11646/zootaxa.3819.1.1>. Access: 03/04/2025.
- Miranda, G.F.G.; Skevington, J.H. & Marshall, S.A. 2020. New generic concepts for orphaned lineages formerly treated as part of the genus *Ocyptamus* Macquart, 1834 (Diptera, Syrphidae). *Zootaxa*, 4822(2): 151-174. Available: <https://doi.org/10.11646/zootaxa.4822.2.1>. Access: 03/04/2025.
- Mlynarek, J.J. & Wheeler, T.A. 2008. Revision of the Costa Rican species of *Elachiptera* (Diptera: Chloropidae). *Zootaxa*, 1754(1): 41-51. Available: <https://doi.org/10.11646/zootaxa.1754.1.2>. Access: 03/04/2025.
- Mohrig, W. & Menzel, F. 2014. Revision der neotropischen Trauermücken – Teil I. Die Gattungen *Cratyna* Winnertz, *Euricrium* Enderlein, *Metangela* Rübsaamen, *Pseudosciara* Schiffner und *Sciara* Meigen (Diptera: Sciariidae). *Contributions to Entomology*, 64: 135-190. Available: <https://doi.org/10.21248/contrib.entomol.64.1.135-190>. Access: 03/04/2025.
- Montanuci, P.S.; Vieira, R. & Krolow, T.K. 2023. A new species of *Cerzodus* and new records of Asilinae and Ommatiinae (Diptera: Asilidae) from Tocantins, Brazil. *Iheringia, Série Zoologia*, 113: e2023008. Available: <https://doi.org/10.1590/1678-4766e2023008>. Access: 03/04/2025.
- Montoya, A.L. & Wolff, M. 2023. Taxonomic revision of the Neotropical genus *Argentinomyia* Lynch-Arribálzaga, 1891 (Diptera: Syrphidae), with description of 16 new species. *Zootaxa*, 5234(1): 1-157. Available: <https://doi.org/10.11646/zootaxa.5234.1.1>. Access: 03/04/2025.
- Morales, M.N. & Marinoni, L. 2008. Immature stages and redescription of *Lejops barbiellinii* (Ceresá) (Diptera, Syrphidae) found in bromeliads in Brazil. *Zootaxa*, 1830: 37-46. Available: <https://doi.org/10.11646/zootaxa.1830.1.3>. Access: 03/04/2025.
- Morales, M.N. & Marinoni, L. 2009. Cladistic analysis and taxonomic revision of the *scutellaris* group of *Palpada* Macquart (Diptera: Syrphidae). *Invertebrate Systematics*, 23(4): 301-347. Available: <https://doi.org/10.1071/IS09006>. Access: 03/04/2025.
- Morales, M.N. & Marinoni, L. 2025. Syrphidae In: Catálogo Taxonômico da Fauna do Brasil. Available: <http://fauna.jbrj.gov.br/fauna/faunadobrasil/32991>. Access: 20/01/2025.
- Motta, H.C.G. & Couri, M.S. 1999. Revisão das espécies de *Bithoracochaeta* Stein (Diptera, Muscidae). *Revista Brasileira de Zoologia*, 16(1): 665-689. Available: <https://doi.org/10.1590/S0101-81751999000300007>. Access: 03/04/2025.
- Mourgués-Schurter, L.R. 1980. Sobre as espécies neotropicais de *Neosphaerocera* Kim, 1972 (Diptera, Sphaeroceridae). *Papéis Avulsos de Zoologia*, 34(18): 179-188. Available: <https://doi.org/10.11606/0031-1049.1981.34.p179-188>. Access: 03/04/2025.
- Mulieri, P.R.; Mello-Patiu, C.A. & Aballay, F.H. 2017. Taxonomic revision of *Lipoptilocnema* (Diptera: Sarcophagidae), with notes on natural history and forensic importance of its species. *Journal of Medical Entomology*, 54(1): 50-75. Available: <https://doi.org/10.1093/jme/tjw099>. Access: 03/04/2025.
- Myers, N.; Mittermeier, R.A.; Mittermeier, C.G.; Da Fonseca, G.A. & Kent, J. 2000. Biodiversity hotspots for conservation priorities. *Nature*, 403(6772): 853-858. Available: <https://doi.org/10.1038/35002501>. Access: 03/04/2025.
- Nihei, S.S. & Andrade, M.R. 2014. Revision of *Trypetidomima* (Diptera, Rhinophoridae), with description of a new Brazilian species. *Florida Entomologist*, 97(2): 724-733. Available: <https://doi.org/10.1653/024.097.0254>. Access: 03/04/2025.
- Nihei, S.S. & Pansonato, M.P. 2006. Revision of *Prophorostoma* Townsend, 1927 (Diptera, Tachinidae, Dexiinae), with the description of a new species. *Papéis Avulsos de Zoologia*, 46(21): 239-244. Available: <https://doi.org/10.1590/S0031-10492006002100001>. Access: 03/04/2025.
- Nihei, S.S. & Pavarini, R. 2011. Taxonomic redescription and biological notes on *Diaugia angusta* (Diptera, Tachinidae): Parasitoid of the palm boring

- weevils *Metamasius ensirostris* and *M. hemipterus* (Coleoptera, Dryophthoridae). *ZooKeys*, 84: 23-38. Available: <https://doi.org/10.3897/zookeys.84.756>. Access: 03/04/2025.
- Nihei, S.S.; Andrade, M.R.; Pape, T. & Cerretti, P. 2016. The *Shannoniella* sisters (Diptera: Rhinophoridae). *Zootaxa*, 4061(1): 85-92. Available: <https://doi.org/10.11646/zootaxa.4061.1.9>. Access: 03/04/2025.
- Nihei, S.S.; Tamakoshi, A.T.; Moll, P. & Kruger, R.F. 2021. The Muscidae (Diptera) from the Atlantic Forest of Serra de Paranapiacaba, southeastern Brazil. *Papéis Avulsos de Zoologia*, 61(68): 1-12, e20216168. Available: <https://doi.org/10.11606/1807-0205/2021.61.68>. Access: 03/04/2025.
- Nunez, E. & Couri, M.S. 2011. Revision of Neotropical *Genea* Rondani (Diptera, Tachinidae, Tachininae, Leskiini). *Papéis Avulsos de Zoologia*, 51(31): 481-497. Available: <https://doi.org/10.1590/S0031-10492011003100001>. Access: 03/04/2025.
- O'Hara, J.E.; Henderson, S.J. & Wood, D.M. 2020. *Preliminary checklist of the Tachinidae (Diptera) of the world. Version 2.1. The Tachinid Times*. Available: https://www.uoguelph.ca/nadfly/Tach/WorldTachs/Checklist/Tachchlist_ver2.1.pdf. Access: 15/08/2024.
- Oliveira, S.S. 2009. *Dziedzicka Johannsen e Schnusea Edwards (Diptera, Mycetophilidae): diversidade das espécies neotropicais e análise filogenética*. (Masters Dissertation). São Paulo, Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto. v + 145p. Available: <https://doi.org/10.11606/D.59.2009.tde-03082009-161553>. Access: 03/04/2025.
- Oliveira, S.S. & Amorim, D.S. 2014. Catalogue of Neotropical Diptera. Mycetophilidae. *Neotropical Diptera*, 25: 1-87.
- Oliveira, S.S. & Amorim, D.S. 2021. Phylogeny, classification, Mesozoic fossils and biogeography of the Leiinae (Diptera: Mycetophilidae). *Bulletin of the American Museum of Natural History*, 446: 1-108. Available: <https://doi.org/10.1206/0003-0090.446.1.1>. Access: 03/04/2025.
- Oliveira, S.S.; Afiune, G.P.S.; Schelesky-Prado, D.C.; Maia, V.C.; Amorim, D.S. & Falaschi, R.L. 2024. Taxonomic catalog of the Brazilian fauna: Bibionomorpha (Diptera) diversity and distribution. *Zoologia*, 41(special issue): 1-17, e23103. Available: <https://doi.org/10.1590/S1984-4689.v41.e23103>. Access: 03/04/2025.
- Oliveira-Filho, A.T. & Fontes, M.A.L. 2000. Patterns of floristic differentiation among Atlantic Forests in Southeastern Brazil and the influence of climate. *Biotropica*, 32(4b): 793-810. Available: <https://doi.org/10.1111/j.1744-7429.2000.tb00619.x>. Access: 25/02/2025.
- Paganelli, C.H.M. 2002. Insecta – Diptera – Chloropidae. Revisão dos gêneros neotropicais de Chloropinae (incl. Mindidae). *Fauna da Amazônia Brasileira*, 24: 1-101.
- Painter, R.H. & Painter, E.M. 1968. A review of the genus *Hyperalonia* (Bombyliidae, Diptera) from South America. *Papéis Avulsos de Zoologia*, 22(12): 102-121. Available: <https://doi.org/10.11606/0031-1049.1968.22p107-121>. Access: 03/04/2025.
- Painter, R.H.; Painter, E.M. & Hall, J.C. 1978. Family Bombyliidae. In: Papavero, N. (Ed.). *A catalogue of the Diptera of the Americas south of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura. 92p.
- Palacios-Torres, R.E.; Zetina, D.H.; Luna-Cozar, J.; Ruiz-Montiel, C.; Palemón-Alberto, F.; Valdez-Carrasco, J.; Sánchez-Pale, J.R. & Castañeda-Vildózola, A. 2023. *Cholomyia inaequipis* como parasitoide de dos Curculiónidos asociados con las bellotas de encinos en el Estado de México, México. *Southwestern Entomologist*, 48(2): 429-435. Available: <https://doi.org/10.3958/059.048.0218>. Access: 03/04/2025.
- Papavero, N. 1962. Quatro novas espécies de Microdontinae do Brasil (Diptera, Syrphidae). *Papéis Avulsos de Zoologia*, 15(25): 317-326. Available: <https://doi.org/10.11606/0031-1049.1962.15.p317-326>. Access: 03/04/2025.
- Papavero, N. 1967a. Family Anisopodidae. In: Papavero, N. (Ed.). *A Catalogue of the Diptera of the Americas south of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura. 9p.
- Papavero, N. 1967b. Family Rhinotoridae. In: Papavero, N. (Ed.). *A Catalogue of the Diptera of the Americas south of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo. 4p.
- Papavero, N. 1971. Family Conopidae. In: Papavero, N. (Ed.). *A Catalogue of the Diptera of the Americas south of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo. 28p.
- Papavero, N. 1975. Studies of Asilidae (Diptera) systematics and evolution. IV. Tribe Megapodini Carrera (Dasypogoninae), with a review of the Neotropical species. *Arquivos de Zoologia*, 26(3): 191-318. Available: <https://doi.org/10.11606/issn.2176-7793.v26i3p191-318>. Access: 03/04/2025.
- Papavero, N. 1977a. Family Ditomyiidae. In: Papavero, N. (Ed.). *A Catalogue of the Diptera of the Americas south of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo. 6p.
- Papavero, N. 1977b. Family Keroplatidae (Ceroplatidae, incl. Macroceridae). In: Papavero, N. (Ed.). *A Catalogue of the Diptera of the Americas south of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo. 22p.
- Papavero, N. 1978. Family Mycetophilidae (Fungivoridae). In: Papavero, N. (Ed.). *A Catalogue of the Diptera of the Americas south of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo. 78p.
- Papavero, N. 2009. Catalogue of Neotropical Diptera. Asilidae. *Neotropical Diptera*, 17: 1-178.
- Pape, T. 1996. Catalogue of the Sarcophagidae of the world (Insecta: Diptera). *Memoirs on Entomology, International*, 8: 1-558.
- Pape, T. & Mello-Patiu, C.A. 2006. Revision of *Engelimyia* Lopes, 1975 (Diptera: Sarcophagidae). *Zootaxa*, 1256(1): 21-47. Available: <https://doi.org/10.11646/zootaxa.1256.1.3>. Access: 03/04/2025.
- Pape, T.; Wolff, M. & Amat, E.C. 2004. Los califóridos, éstridos, rinofóridos y sarcófágidos (Diptera: Calliphoridae, Oestridae, Rhinophoridae, Sarcophagidae) de Colombia. *Biota Colombiana*, 5(2): 201-208.
- Pepinelli, M. 2011. Checklist de Simuliidae (Insecta, Diptera) do Estado de São Paulo, Brasil. *Biota Neotropica*, 11: 667-674. Available: <https://doi.org/10.1590/S1676-06032011000500031>. Access: 23/09/2024.
- Petrović, A. 2022. Sizing the knowledge gap in taxonomy: The last dozen years of Aphidiinae research. *Insects*, 13(2): 170. Available: <https://doi.org/10.3390/insects13020170>. Access: 03/04/2025.
- Phorid Catalog (PCAT). 2024. Online data for phorid flies. World Wide Web electronic publication. Available: <https://www.phorid.net/pcat/specimens.php>. Access: 23/09/2024.
- Pimentel, T. & Pujol-Luz, J.R. 2001. Os gêneros de Raphiocerinae (Diptera, Stratiomyidae) do Brasil e algumas espécies da América do Sul. Parte 2 – A Tribo Raphiocerini (sensu Schiner). *Contribuições Avulsas sobre a História Natural do Brasil, Série Zoologia*, 33: 1-31.
- Pinho, L.C. & Andersen, T. 2021. Neotropical *Nilothauma* Kieffer, 1921 (Diptera, Chironomidae): Key, eleven new species, re-descriptions, new combination and new records. *ZooKeys*, 1033: 81-125. Available: <https://doi.org/10.3897/zookeys.1033.60686>. Access: 03/04/2025.
- Pinho, L.C.; Mendes, H.F. & Andersen, T. 2009a. A review of *Diplosmittia* Sæther, with the description of four new Neotropical species (Diptera: Chironomidae). *Studies on Neotropical Fauna and Environment*, 44(3): 163-182. Available: <https://doi.org/10.1080/01650520903187597>. Access: 03/04/2025.
- Pinho, L.C.; Mendes, H.F. & Andersen, T. 2009b. New species and records of *Beardius* Reiss & Sublette from Brazil (Diptera, Chironomidae). *Spixiana*, 32(2): 255-264.
- Pinho, L.C.; Mendes, H.F. & Andersen, T. 2013. Revision of *Beardius* Reiss et Sublette, 1985 (Diptera: Chironomidae), with the description of

- twenty new species. *Zootaxa*, 3742(1): 1-78. Available: <https://doi.org/10.11646/zootaxa.3742.1.1>. Access: 03/04/2025.
- Pinto, L.G. & Amorim, D.S. 1996. Description of immature stages of two Neotropical species of *Plecia*, with a discussion about the evolution of immature characters in Bibionidae (Insecta, Diptera, Bibionidae). *Mitteilungen aus dem Museum für Naturkunde in Berlin*, 72(2): 311-326. Available: <https://doi.org/10.1002/mmnz.19960720215>. Access: 03/04/2025.
- Pires, A.C. & Marinoni, L. 2011. Distributional patterns of the Neotropical genus *Thecomyia* Perty (Diptera, Sciomyzidae) and phylogenetic support. *Revista Brasileira de Entomologia*, 55(1): 6-14. Available: <https://doi.org/10.1590/S0085-56262011000100002>. Access: 03/04/2025.
- Rabello, E.X. & Forattini, O.P. 1962. Sobre uma nova espécie do gênero *Rhexoza* Enderlein (Diptera, Scatopsidae). *Papéis Avulsos de Zoologia*, 15(23): 303-309. Available: <https://doi.org/10.11606/0031-1049.1962.15.p303-309>.
- Rafael, J.A. 1990. Revisão das espécies Neotropicais do Gênero *Cephalops* (Diptera: Pipunculidae). *Acta Amazonica*, 20: 353-390. Available: <https://doi.org/10.1590/1809-43921990201390>. Access: 03/04/2025.
- Rafael, J.A. 1995. Espécies de *Eudorylas* Aczél (Diptera, Pipunculidae) da América do Sul. *Revista Brasileira de Entomologia*, 39(4): 793-838.
- Rafael, J.A. & Menezes, M.D.S. 1999. Taxonomic review of Costa Rican Pipunculidae (Insecta: Diptera). *Revista de Biología Tropical*, 47(3): 513-534. Available: <https://doi.org/10.15517/rbt.v47i3.19190>. Access: 03/04/2025.
- Rafael, J.A.; Melo, G.A.R.; de Carvalho, C.J.B.; Casari, S.A. & Constantino, R. 2024a. *Insetos do Brasil: Diversidade e Taxonomia*. 2. ed. Manaus, Editora INPA. 880p. Available: <https://doi.org/10.61818/56330464>. Access: 03/04/2025.
- Rafael, J.A.; Amorim, D.S.; Carmo, D.D.D.; Cordeiro, D.P.; Freitas-Silva, R.A.P. & Fachin, D.A. 2024b. The Diptera (Insecta) fauna of Brazil: an online system and two centuries of taxonomic progress. *Zoologia*, Curitiba, 41: 1-19, e23096. Available: <https://doi.org/10.1590/S1984-4689.v41.e23096>. Access: 24/08/2025.
- Rafael, J.A.; Calhau, J.; Alvarez-García, D.M.; Ament, D.C.; Amorim, D.S.; Andrade, A.J.; Camara, J.T.; Capellari, R.S.; de Carvalho, C.J.B.; Carvalho-Filho, F.; Maia, V.C.; Cordeiro, D.P.; Couri, M.S.; Fachin, D.A.; Falaschi, R.L.; Felipe-Bauer, M.L.; Ferro, G.B.; Galati, E.A.B.; Gil-Azevedo, L.H.; Gillung, J.P.; Gottschalk, M.S.; Gracioli, G.; Gudín, F.M.; Henriques, A.L.; Hutchings, R.W.; Krolow, T.K.; Lamas, C.J.E.; Marinho, M.A.T.; Marinoni, L.; Marques, D.W.A.; Martins, M.B.; Mello, R.L.; Mello-Patiu, C.A.; Miranda, G.F.G.; Morales, M.N.; Nihei, S.S.; Limeira-de-Oliveira, F.; Oliveira, S.S.; Pereira, T.P.L.; Pereira-Colavite, A.; Dios, R.V.P.; Pinho, L.C.; Schelesky-Prado, D.C.; Pujol-Luz, J.R.; Bravo, F.; Riccardi, P.R.; Rocha, L.S.G.; Ale-Rocha, R.; Santarem, M.C.A.; Santis, M.D.; Santos, C.M.D.; Santos, J.R.; Schmitz, H.J.; Sepúlveda, T.; Shimabukuro, P.H.F.; Freitas-Silva, R.A.P.; Silva, V.C.; Camargo, A.; Torres, A.; Sousa, V.R.; Tidon, R.; Uchoa, M.A. & Rodrigues, J.P.V. 2025. *Diptera*. In: *Catálogo Taxonômico da Fauna do Brasil*. Available: <http://fauna.jbrj.gov.br/fauna/faunadobrasil/252>. Access: 03/04/2025.
- Rafael, J.A.; Limeira-de-Oliveira, F.; Hutchings, R.W.; Miranda, G.F.G.; Silva Neto, A.M.; Somavilla, A.; Camargo, A.; Asenjo, A.; Pinto, Â.P.; Bello, A.M.; Dalmorra, C.; Mello-Patiu, C.A.; de Carvalho, C.J.B.; Takiya, D.M.; Parizotto, D.R.; Marques, D.W.A.; Cavalheiro, D.O.; Mendes, D.M.M.; Zeppelini, D.; Carneiro, E.; Lima, E.F.B.; Lima, E.C.A.; Godoi, F.S.P.; Pessoa, F.A.C.; Vaz-de-Mello, F.Z.; Sosa-Duque, F.J.; Flores, H.F.; Fernandes, I.O.; Silva-Júnior, J.O.; Gomes, L.R.P.; Monné, M.L.; Castro, M.C.M.; Silva, M.P.G.; Couri, M.S.; Gottschalk, M.S.; Soares, M.M.M.; Monné, M.A.; Rafael, M.S.; Casagrande, M.M.; Mielke, O.H.H.; Grossi, P.C.; Pinto, P.J.C.; Bartholomay, P.B.; Sobral, R.; Heleodoro, R.A.; Machado, R.J.P.; Corrêa, R.C.; Hutchings, R.S.G.; Ale-Rocha, R.; Santos, S.D.; Lima, S.P.; Mahlmann, T.; Silva, V.C. & Fernandes, D.R.R. 2020. Insect (Hexapoda) diversity in the oceanic archipelago of Fernando de Noronha, Brazil: updated taxonomic checklist and new records. *Revista Brasileira de Entomologia*, 64(3): 1-26, e20200052. Available: <https://doi.org/10.1590/1806-9665-RBENT-2020-0052>. Access: 03/04/2025.
- Rafael, J.A.; Câmara, J.T. & Holanda, M.J.A. 2011. A new species of Syringogastridae (Diptera, Acalypttratae) from the Amazon Basin and new records for Brazil. *Zootaxa*, 3014(1): 26-34. Available: <https://doi.org/10.11646/zootaxa.3014.1.2>. Access: 03/04/2025.
- Ramos-Pastrana, Y.; Marques, D.W.A. & Rafael, J.A. 2023. *Clistoabdominalis* Skevington, 2001 (Diptera: Pipunculidae) of Colombia, with description of a new species and an updated key to males of the Neotropical species. *Zootaxa*, 5325(1): 30-40. Available: <https://doi.org/10.11646/zootaxa.5325.1.2>. Access: 03/04/2025.
- Reemer, M. & Ståhls, G. 2013. Generic revision and species classification of the Microdontinae (Diptera, Syrphidae). *ZooKeys*, 288: 1-213. Available: <https://doi.org/10.3897/zookeys.288.4095>. Access: 03/04/2025.
- Reinhard, H.J. 1968. A review of the genus *Macromyia* (Tachinidae: Diptera). *The Canadian Entomologist*, 100(12): 1280-1287. Available: <https://doi.org/10.4039/Ent1001280-12>. Access: 03/04/2025.
- Ribeiro, G.C.; Lamas, C.J.E. & de Azevedo, L.N.S. 2007. A catalogue of the types of Limoniidae and Tipulidae (Diptera: Tipulomorpha) in the collection of the Museu de Zoologia da Universidade de São Paulo, Brazil. *Zootaxa*, 1497(1): 1-22. Available: <https://doi.org/10.11646/zootaxa.1497.1.1>. Access: 03/04/2025.
- Riccardi, P.R.; Fachin, D.A.; Ale-Rocha, R.; Amaral, E.M.; Amorim, D.S.; Gil-Azevedo, L.H.; Capellari, R.S.; Carmo, D.D.D.; de Carvalho, C.J.B.; Ferro, G.B.; Flores, H.F.; Gomes, L.R.P.; Gottschalk, M.S.; Lamas, C.J.E.; Lampert, S.; Marinho, M.A.T.; Marques, D.W.A.; Mello, R.L.; Mello-Patiu, C.A. de, Menezes, M.A.; Morales, M.N.; Oliveira, S.S. de, Pereira, T.P.L.; Pereira-Colavite, A.; Pirani, G.; Rafael, J.A.; Santos, J.R. dos, Savaris, M.; Schelesky-Prado, D. de C.; Silva, V.C.; Sousa, V.R.; Urso-Guimarães, M.V.; Vargas, L.V.; Yamaguchi, C. & Falaschi, R.L. 2022. Checklist of the dipterofauna (Insecta) from Roraima, Brazil, with special reference to the Brazilian Ecological Station of Maraca. *Papéis Avulsos de Zoologia*, 62(14): 1-80, e202262014. Available: <https://doi.org/10.11606/1807-0205/2022.62.014>. Access: 03/04/2025.
- Robineau-Desvoidy, J.-B. 1830. Essai sur les myodaires. Mémoires présentés par divers Savans à l'Académie Royale des Sciences de l'Institut de France. *Sciences Mathématiques et Physiques*, Sér. 2, 2: 1-813.
- Rodrigues, J.P.V.; de Carvalho, C.J.B. & Mello, R.L. 2024. Review of *Senopterina* Macquart (Diptera, Platystomatidae) from Brazil, with description of two new species. *Zootaxa*, 5448(4): 482-498. Available: <https://doi.org/10.11646/zootaxa.5448.4.2>. Access: 03/04/2025.
- Rocha, L.S.G. & Mello-Patiu, C.A. 2009. Revisão das espécies de *Stylogaster* Macquart do grupo *stylata* com descrição de uma espécie nova do Brasil (Diptera, Conopidae, Stylogasterinae). *Revista Brasileira de Entomologia*, 53(4): 549-564. Available: <https://doi.org/10.1590/S0085-56262009000400005>. Access: 03/04/2025.
- Rocha, L.S.G. & Mello-Patiu, C.A. 2012. *Stylogaster* Macquart, 1835 (Diptera: Conopidae) from Northeastern Brazil: New records and two new species. *Zootaxa*, 3590(1): 23-36. Available: <https://doi.org/10.11646/zootaxa.3590.1.3>. Access: 03/04/2025.
- Rodriguez, H.C. & Rafael, J.A. 2012. *Pipunculidae (Diptera) of the Latin America and the Caribbean: A catalog of Species with notes on biology and Pipunculid-Host Associations*. London, Lambert Academic Publishing.
- Rung, A. & Mathis, W.N. 2011. A revision of the genus *Aulacigaster* Macquart (Diptera, Aulacigasteridae). *Smithsonian Contributions to Zoology*, 633: 1-132. Available: <https://doi.org/10.5479/si.00810282.633>. Access: 03/04/2025.
- Sabrosky, C.W. & Paganelli, C.H. 1984. Family Chloropidae. In: *A Catalogue of the Diptera of the Americas South of the United States*. São Paulo, Secretaria de Agricultura do Estado de São Paulo. 64p.

- Santis, M.D. & Couri, M.S. 2024. Revision of the Brazilian species of *Ptilodexia* Brauer & Bergenstamm, 1889 (Diptera: Tachinidae: Dexiinae), with the description of a new species. *Anais da Academia Brasileira de Ciências*, 96(2): 1-25, e20230542. Available: <https://doi.org/10.1590/0001-3765202420230542>. Access: 03/04/2025.
- Santis, M.D. & Nihei, S.S. 2016. Review of the New World genus *Cholomyia* (Diptera, Tachinidae), with a new species from Costa Rica. *Revista Brasileira de Entomologia*, 60(3): 217-226. Available: <https://doi.org/10.1016/j.rbe.2016.05.004>. Access: 03/04/2025.
- Santis, M.D.; O'Hara, J.E. & Couri, M.S. 2024. Partial revision of the exclusively Neotropical species of *Zelia* Robineau-Desvoidy, 1830 (Tachinidae: Dexiinae: Dexiini), with the description of a new species. *Zootaxa*, 5419(1): 1-52. Available: <https://doi.org/10.11646/zootaxa.5419.1.1>. Access: 03/04/2025.
- Santos, C.M.D. & de Souza Amorim, D. 2007. *Chrysopilus* (Diptera: Rhagionidae) from Brazil: redescription of *Chrysopilus fascipennis* Bromley and description of eleven new species. *Zootaxa*, 1510(1): 1-33. Available: <https://doi.org/10.11646/zootaxa.1510.1.1>. Access: 03/04/2025.
- Scarano, F.R. 2002. Structure, function and floristic relationships of plant communities in stressful habitats marginal to the Brazilian Atlantic rainforest. *Annals of Botany*, 90(4): 517-524. Available: <https://doi.org/10.1093/aob/mcf189>. Access: 03/04/2025.
- Scarbrough, A.G. 1984. Four species of *Ommatius* Wiedemann (Diptera: Asilidae) from Puerto Rico and the Virgin Islands. *Proceedings of the Entomological Society of Washington*, 86(3): 619-629.
- Sepúlveda, T.A.; Wolff, M.I. & de Carvalho, C.J.B. 2014. Revision of the New World genus *Glyphidops* Enderlein (Diptera: Neriidae). *Zootaxa*, 3785(2): 139-174. Available: <https://doi.org/10.11646/zootaxa.3785.2.2>. Access: 03/04/2025.
- Shelley, A.J.; Hernández, L.M.; Maia-Herzog, M.; Luna-Dias, A.P.A. & Garritano, P.R. 2010. The blackflies (Diptera: Simuliidae) of Brazil. In: Arias, J.R.; Golovatch, S.; Wantzen, K.M. & Dominguez, E. (Eds.). *Aquatic Biodiversity in Latin America*. Sofia, Pensoft. vol. 1, 821p.
- Sloan, S.; Jenkins, C.N.; Joppa, L.N.; Gaveau, D.L.A. & Laurance, W.F. 2014. Remaining natural vegetation in the global biodiversity hotspots. *Biological Conservation*, 177: 12-24. Available: <https://doi.org/10.1016/j.biocon.2014.05.027>. Access: 03/04/2025.
- Soares, M.M.M.; Capellari, R.S. & Ale-Rocha, R. 2023. Species of *Paraclius* Loew (Diptera: Dolichopodidae) with bi-lamellate antennal stylus: new combination, new synonym, and two new species. *Zootaxa*, 5231(1): 37-51. Available: <https://doi.org/10.11646/zootaxa.5231.1.3>. Access: 03/04/2025.
- Soares, M.M.M.; Freitas-Silva, R.A.P. & Ale-Rocha, R. 2021. Review of Brazilian species of *Syneches* Walker (Diptera, Hybotidae, Hybotinae), with description of ten new species. *Zootaxa*, 5049(1): 1-84. Available: <https://doi.org/10.11646/zootaxa.5049.1.1>. Access: 03/04/2025.
- Souza, C.M.; Pape, T. & Thyssen, P.J. 2020. *Oxysarcodexia* Townsend, 1917 (Diptera: Sarcophagidae) – a centennial conspectus. *Zootaxa*, 4841(1): 1-126. Available: <https://doi.org/10.11646/zootaxa.4841.1.1>. Access: 03/04/2025.
- Spencer, K.A. 1966. Notes on the neotropical Agromyzidae (Diptera). I. *Papéis Avulsos de Zoologia*, 19(1-25): 141-150. Available: <https://doi.org/10.11606/0031-1049.1966.19p141-150>. Access: 03/04/2025.
- Steyskal, G.C. 1968. Family Micropezidae. In: Papavero, N. (Ed.). *A catalogue of the Diptera of the Americas south of the United States*. São Paulo, Departamento de Zoologia, Secretaria de Agricultura. 33p.
- Stireman III, J.O. & Dell, J.E. 2017. A new tachinid genus and species record for North America: *Iceliopsis borgmeieri* Guimarães. *The Tachinid Times*, 30: 9-13.
- Stone, A. 1966. Family Chaoboridae. In: Papavero, N. (Ed.). *A Catalogue of the Diptera of the Americas South of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura. 8p.
- Tavares, O. 1964. Contribuição ao conhecimento da tribu Ormiini. II: Gênero *Ormiophasia* Townsend, 1919 (Diptera, Tachinidae). *Memórias do Instituto Oswaldo Cruz*, 62: 38-52. Available: <https://doi.org/10.1590/S0074-02761964000100005>. Access: 03/04/2025.
- Thompson, F.C. 1981. The flower flies of the West Indies (Diptera: Syrphidae). *Memoirs of the Entomological Society of Washington*, 9: 4-200.
- Thompson, F.C. 1991. The flower fly genus *Ornidia* (Diptera: Syrphidae). *Proceedings of the Entomological Society of Washington*, 93(2): 248-261.
- Thompson, F.C.; Vockeroth, J.R. & Sedman, Y.S. 1976. Family Syrphidae. In: Papavero, N. (Ed.). *A Catalogue of the Diptera of the Americas south of the United States*. São Paulo, Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo. 195p.
- Toma, R. & de Carvalho, C.J.B. 1995. Estudo filogenético de Mesembrinellinae com ênfase no gênero *Eumesebrinella* Townsend (Diptera, Calliphoridae). *Revista Brasileira de Zoologia*, 12(1): 127-144. Available: <https://doi.org/10.1590/S0101-81751995000100014>. Access: 03/04/2025.
- Toma, R. & Guimarães, J.H. 2002. Estudo taxonômico de *Leschenaultia* Robineau-Desvoidy (Diptera, Tachinidae). *Revista Brasileira de Entomologia*, 46: 33-70. Available: <https://doi.org/10.1590/S0085-56262002000100006>. Access: 03/04/2025.
- Townsend, C.H.T. 1927. Synopse dos generos muscideos da região humida tropical da America, com generos e especies novas. *Revista do Museu Paulista*, 15: 203-385 + 4 pls. + [4 (errata)] pp.
- Townsend, C.H.T. 1929. New species of humid tropical American Mucchoidea. *Revista Chilena de Historia Natural*, 32 [1928]: 365-382.
- Townsend, C.H.T. 1931. New genera and species of American oestromuscoid flies. [Concl.] *Revista de Entomologia*, 1: 437-479.
- Travassos Filho, L. & Camargo, H.F. de A. 1958. A estação biológica de Boraceia. *Arquivos de Zoologia*, 11: 1-21. Available: <https://doi.org/10.11606/issn.2176-7793.1958111-21>. Access: 03/04/2025.
- Trivinho-Strixino, S. & Shimabukuro, E.M. 2018. Brazilian Pseudochironomina (Diptera: Chironomidae) Part 2. New *Pseudochironomus* and *Riethia* species. *Zootaxa*, 4403(2): 245-260. Available: <https://doi.org/10.11646/zootaxa.4403.2.2>. Access: 03/04/2025.
- Trivinho-Strixino, S. & Strixino, G. 2008. A new species of *Pelomus* Reiss, 1989 (Diptera: Chironomidae) from southeastern Brazil, with the description of immature stages. *Boletim do Museu Municipal do Funchal (História Natural)*, 13: 217-225.
- Tuomikoski, R. 1966. Generic taxonomy of the Exechiini (Dipt., Mycetophilidae). *Suomen Hyönteistieteellinen Aikakauskirja*, 32(2): 159-194.
- Val, F.C.D. & Kaneshiro, K.V. 1988. Drosophilidae (Diptera) from the Estação Biológica, on the coastal range of the state of São Paulo, Brazil: geographical distribution. In: *Proceedings of a Workshop on Neotropical Distribution of Patters*. Rio de Janeiro, Academia Brasileira de Ciências. p. 189-203.
- Vieira, R. 2009. *Taxonomia de Ommatius Wiedemann, 1821 (Diptera, Asilidae, Ommatiinae) no Brasil*. Dissertação de Mestrado. Instituto Nacional de Pesquisas da Amazônia – INPA. 131p.
- Vieira, R. 2015. O grupo *costatus* de *Ommatius* Wiedemann (Diptera, Asilidae) no Brasil: novos registros e distribuição de *Ommatius costatus* Rondani e *Ommatius orenquensis* Bigot. *EntomoBrasilis*, 8(1): 58-64. Available: <https://doi.org/10.12741/ebrazilis.v8i1.461>. Access: 03/04/2025.
- Vieira, R.; Castro, I.; Almeida, D.; Alvim, E. & Bravo, F. 2006. Asilidae (Diptera) da Bahia, Brasil: sinopse das espécies e chave de identificação. *Sitientibus, Série Ciências Biológicas*, 6(4): 243-256. Available: <https://doi.org/10.13102/scb8188>. Access: 03/04/2025.
- Whitworth, T. 2014. A revision of the neotropical species of *Lucilia* Robineau-Desvoidy (Diptera: Calliphoridae). *Zootaxa*, 3810(1): 1-76. Available: <https://doi.org/10.11646/zootaxa.3810.1.1>. Access: 03/04/2025.
- Whitworth, T.L. & Yousseff-Vanegas, S. 2019. A revision of the genera and species of the Neotropical family Mesembrinellidae (Diptera: Oestroidea).

- Zootaxa*, 4659(1): 1-146. Available: <https://doi.org/10.11646/zootaxa.4659.1.1>. Access: 03/04/2025.
- Wiedenbrug, S.; Lamas, C.E. & Trivinho-Strixino, S. 2012. A review of the genus *Corynoneura* Winnertz (Diptera: Chironomidae) from the Neotropical region. *Zootaxa*, 3574(1): 1-61. Available: <https://doi.org/10.11646/zootaxa.3574.1.1>. Access: 03/04/2025.
- Wilkerson, R.C. & Fairchild, G.B. 1983. A review of the South American species of *Esenbeckia*, subgenus *Esenbeckia* (Diptera: Tabanidae). *Journal of Natural History*, 17(4): 519-567. Available: <https://doi.org/10.1080/00222938300770451>. Access: 03/04/2025.
- Woodley, N.E. 2001. A World Catalog of the Stratiomyidae (Insecta: Diptera). *Myia*, 11: 1-475.
- Woodley, N.E. 2011. A world catalog of the Stratiomyidae (Insecta: Diptera): A supplement with revisionary notes and errata. *Myia*, 12: 379-415.
- Yang, D.; Zhang, K.; Yao, G. & Zhang, J. 2007. World Catalog of Empididae (Insecta: Diptera). Beijing, *China Agricultural University Press*. 599p.
- Yang, D.; Zhu, Y.; Wang, M. & Zhang, L. 2006. *World Catalog of Dolichopodidae (Insecta: Diptera)*. Beijing, China Agricultural University Press. 704p.