

# *Neotropical Diptera*

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## Catalogue of Neotropical Diptera. Ropalomeridae<sup>1</sup>

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### Introduction

Six genera and 31 species of Ropalomeridae are known up to now in the region covered by this catalogue, as shown in the table below, in addition to three unrecognized species.

Genus	Number of species
<i>Apophorhynchus</i>	3
<i>Dactylissa</i>	1
<i>Kroeberia</i>	2
<i>Lenkokroeberia</i>	2
<i>Mexicoa</i>	1
<i>Rhytidops</i>	2
<i>Ropalomera</i>	16
<i>Willistoniella</i>	4

### Family Ropalomeridae Schiner, 1868

Rhopalomerinae Schiner, 1868: 229. Type-genus, *Ropalomera* Wiedemann, 1821 (as *Rhopalomera*, emend. by Agassiz, 1846: 327).

Rhopalomeridae Williston, 1895: 183.

Ropalomeridae Curran, 1934a: 293, 432, 1934b: 24, 299. Ref. – Sabrosky, 1999: 271.

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Ref. – Prado, 1966 (rev.).

### Genus **Apophorhynchus** Williston, 1895

**Apophorhynchus** Williston, 1895a: 184. Type-species, *Apophorhynchus flavidus* Williston, 1895 (mon.).

Refs.: Williston, 1896: 280; Lindner, 1930: 125; Malloch, 1941: 50; Prado, 1966: 213, 248, 1967: 73; Steyskal, 1967: 1 (cat.); Prado & Papavero, 2002: 1 (cat.); Marques-Costa & Ale-Rocha, 2005 (rev.); Ale-Costa & Alves, 2006 (key to spp., based on males).

**amazonensis** Prado, 1966: 251, figs. 106-107. Type-locality: Brazil, Amazonas, rio Negro, São Gabriel. Distr. – Peru (Loreto, Madre de Dios), Brazil (Rondônia, Amazonas). Refs. – Steyskal, 1967: 1 (cat.); Prado & Papavero, 2003: 1 (cat.); Marques-Costa & Ale-Rocha, 2005: 515, figs. 1-8, 16, 19, 28; Ale-Rocha & Alves, 2006: 352, figs. 1-5 (male terminalia).

**brevipennis** Marques-Costa & Ale-Rocha, 2005: 517, figs. 9-15, 20, 23, 29. Type-locality: Brazil, Amazonas, Manaus (Reserva Ducke). Distr. – Brazil (Amazonas).

**flavidus** Williston, 1895a: 184 (key), 186. Type-locality: Brazil, Mato Grosso, Chapada dos Guimarães. Distr. – Bolivia (Santa Cruz), Brazil (Mato Grosso). Refs. – Lindner, 1930: 129; Malloch, 1941: 50; Prado, 1966: 249, 249, figs. 100-105; Steyskal, 1967: 1 (cat.); Marques-Costa & Ale-Rocha, 2005: 520, figs. 24-27, 30.

### Genus **Dactylissa** Fischer, 1932

**Dactylissa** Fischer, 1932: 447. Type-species, *Dactylissa digiticornis* Fischer, 1932 (orig. des.).

**digiticornis** Fischer, 1932: 447, figs. 1-4, 23. Type-locality: Brazil, Mato Grosso, Fazenda Murtinho. Distr. – Brazil (Mato Grosso, Rio de Janeiro), Paraguay (Villarica). Refs. – Prado, 1966: 258, figs. 1198-131; Steyskal, 1967: 1 (cat.).

### Genus **Kroeberia** Lindner, 1930

**Kroeberia** Lindner, 1930a: 125, 127. Type-species, *Kroeberia fuliginosa* Lindner, 1930a: 127 (mon).

Refs. – Marques & Ale-Rocha, 2004 (rev.).

**fuliginosa** Lindner, 1930a: 127. Type-locality: Brazil, Rio Grande do Sul, Santa Cruz; “Brazil”; Brazil, Rio Grande do Sul. Distr. – Mexico (Campeche, Chiapas, Guerrero, Jalisco, Oaxaca, Quintana Roo, Veracruz, Yucatán), Panama, Venezuela (Aragua, Bolívar, Trujillo, Zulia), Brazil (Roraima, Amazonas, Acre, Mato Grosso, Goiás, Rio de Janeiro, São Paulo). Refs. – Aldrich, 1932: 9; Fischer, 1932: 450; Prado, 1966: 253, figs. 108-118; Steyskal, 1967: 1 (cat.); Baez, 1985: 79; Ramírez García & Hernández Ortiz, 1994: 76, figs. 2A-B, 4E, 8A-F; Prado & Papavero, 2002: 1 (cat.); Marques & Ale-Rocha, 2004: 316, figs. 1-9, 19-22, 27.

**minor** Marques & Ale-Rocha, 2004: 321, figs. 10-18, 23-26, 28. Type-locality: Brazil, Amazonas, Manaus (Reserva Adolpho Ducke). Distr. – Brazil (Amazonas, Pará).

### Genus **Lenkokroeberia** Prado

**Lenkokroeberia** Prado, 1966: 261. Type-species, *Lenkokroeberia chryserea* Prado, 1966 (orig. des.).

**chryserea** Prado, 1966: 264, figs. 132-143. Type-locality: Brazil, Mato Grosso, Salobra (male), São Paulo, Araçatuba (female). Distr. – Mexico (Oaxaca), Venezuela (Aragua, Bolívar, Monagas, Zulia), Brazil (Mato Grosso, São Paulo). Refs. – Steyskal, 1967: 2 (cat.); Baez, 1985; Ramírez-García & Hernández-Ortiz, 1994: 79, figs. 2C-D, 4D.

**ciliata** (Williston), 1895a: 186 (*Rhopalomera*). Type-locality: Brazil, Mato Grosso, Chapada dos Guimarães. Distr. – Brazil (Mato Grosso), Bolivia (Lindner, 1930b: 283). Ref. – Steyskal, 1967: 2 (cat.).

### Genus **Mexicoa** Steyskal, 1947

**Mexicoa** Steyskal, 1947: 227. Type-species, *Mexicoa mexicana* Steyskal, 1947 (orig. des.).

**mexicana** Steyskal, 1947: 225, figs. 1-2. Type-locality: Mexico, Sonora, Río Mayo. Distr. – Mexico (Guerrero, Jalisco, Morelos, Sonora). Refs. – Steyskal, 1967: 2 (cat.); Ramírez-García & Hernández-Ortiz, 1994: 81, figs. 2E-F, 4F, 9A-F.

### Genus **Rhytidops** Lindner, 1930

**Rhytidops** Lindner, 1930a: 126 key), 135. Type-species, *Rhytidops chacoensis* Lindner (mon.).

**chacoensis** Lindner, 1930a: 136, fig. 1. Type-locality: Argentina, San José, río Pilcomayo. Distr. – Argentina. Ref. – Steyskal, 1967: 2 (cat.).

**floridensis** (Aldrich), 1932: 10 (*Kroeberia*). Type-locality: U. S. A., Florida, Putnam County. Distr. – U. S. A. (Florida). Ref. – Steyskal, 1967: 2 (cat.).

*floridana* Malloch, 1941: 49, error.

### Genus **Ropalomera** Wiedemann, 1824

**Ropalomera** Wiedemann, 1824: 17. Type-species, *Dictya clavipes* Fabricius, 1805 (sub. des., Macquart, 1843: 359 [202]). Ref. – Marques, Ale-Rocha & Ronchi-Telles, 2004.

*Rhopalomera* Agassiz, 1846: 327, emend.

**brachyptera** Lindner, 1930a: 134. Type-locality: Brazil, Bahia, Distr. – Brazil (Bahia). Ref. – Steyskal, 1967: 2 (cat.).

**clavipes** (Fabricius), 1805: 329 (*Dictya*). Type-locality: “South America”. Distr. – Guyana, Surinam, Ecuador, Brazil, Bolivia, Paraguay. Ref. – Prado, 1963: 463, figs. 15-24.

*spinosa* Perty, 1833: 189, pl. 37, fig. 14 (not 7, as in text). Type-locality: Brazil, Piauí.

*nebulosa* Walker, 1857: 225. Type-locality: “Valley of the Amazon”. Ref. – Steyskal, 1967: 2 (cat.; syn. confirmed).

**distincta** Prado, 1966: 232, figs. 52-56. Type-locality: Brazil, Mato Grosso, Fazenda Murtinho. Distr. – Brazil (Mato Grosso). Ref. – Steyskal, 1967: 2 (cat.).

**femorata** (Fabricius), 1805: 526 (*Dictya*). Type-locality: “South America”. Distr. – Mexico (Campeche, Chiapas, Colima, Guerrero, Jalisco, Morelos, Oaxaca, Quintana Roo, San Luís Potosí, Veracruz, Yucatán), Guatemala, Nicaragua, Venezuela (Amazonas, Aragua, Barinas, Bolívar, Carabobo, Guárico, Monagas, Zulia), south to Brazil, Bolivia, Paraguay and Argentina (Misiones). Refs. – Prado, 1966: 223, figs. 25-35; Steyskal, 1967: 2 (cat.); Baez, 1985, figs. 1-2; Ramírez-García & Hernández-Ortiz, 1994: 65, figs. 1A-B, 3B-C, 4A, 5A-F.

*xanthops* Williston, 1895b: 213. Type-locality: Mexico, Yucatán. Ref. – Steyskal, 1967: 3 (cat.); Ramírez-García & Hernández-Ortiz, 1994: 65 (syn.).

*sp.* Wulp, 1898: 379, pl. 10, figs. 3, 3a, 3b.

**fenestrata** Prado, 1966: 219, figs. 14-24. Type-locality: Brazil, Rio de Janeiro, Rio de Janeiro (Gávea). Distr. – Brazil (Rio de Janeiro). Ref. – Steyskal, 1967: 2 (cat.).

**glabrata** Prado, 1966: 230, figs. 45-51. Type-locality: Brazil, Mato Grosso do Sul, Três Lagoas (Fazenda Floresta). Distr. –

- Brazil (Mato Grosso do Sul). Ref. – Steyskal, 1967: 2 (cat.).
- goyana** Prado, 1966: 227, figs. 36-41. Type-locality: Brazil, Goiás, Goiânia (Campinas). Distr. – Brazil (Goiás). Ref. – Steyskal, 1967: 3 (cat.).
- guimaraesi** Prado, 1966: 229, figs. 42-44. Type-locality: Brazil, Mato Grosso do Sul, Três Lagoas (Fazenda Floresta). Distr. – Brazil (Mato Grosso do Sul). Ref. – Steyskal, 1967: 3 (cat.).
- guimarãensi* Prado, 1966: (key), error.
- latiforceps** Ramírez-García & Hernández-Ortiz, 1994: 69, figs. 1C-D, 3D-E, 4B, 6A-F. Type-locality: Mexico, Veracruz, Estación Biológica Los Tuxtlas. Distr. – Mexico (Veracruz), Panama (Barro Colorado Island).
- minima** Curran, 1934: 432. Type-locality: Guyana, Bartica district, Kartabo. Distr. – Guyana. Ref. – Steyskal, 1967: 3 (cat.; “This species has been synonymized with *R. clavipes* by Prado, but I consider it likely from the characters cited by Curran that it is a distinct species or even synonymous with *R. nudipes*”).
- nudipes** Frey, 1959: 48. Type-locality: Brazil, Amazonas, Taracúá, Uaupés, rio Negro. Distr. – Brazil (Amazonas). Ref. – Steyskal, 1967: 3 (cat.).
- occulta** Prado, 1966: 239, figs. 77-90. Type-locality: Brazil, Goiás, Goiânia (Campinas). Distr. – Brazil (Goiás, Minas Gerais, Rio de Janeiro, São Paulo).
- stictica** Wiedemann, 1830: 573. Type-locality: “Brazil”. Distr. – Brazil (North, Northeast, Central and South), Paraguay. Refs. – Lopes, 1932: 127; Prado, 1966:460, figs. 1-14; Steyskal, 1967: 3 (cat.).
- maculipennis* Macquart, 1843: 360 (1843: 203), pl. 27, fig. 3. Type-locality: “Brazil”.
- punctipennis* Rondani, 1848: 80. Type-locality: “Brazil” [Pará, Belém].
- similis* Rondani, 1848: 81. Type-locality: “Brazil” [Pará, Belém].
- tessellata** Prado, 1966: 235, figs. 57-69. Type-locality: Brazil, Amazonas, Maués. Distr. – Brazil (Amazonas, Pará, Amapá). Ref. – Steyskal, 1967: 3 (cat.).
- tesselata* Prado, 1966: (key), error.
- tibialis** Walker, 1852: 375, 1857: 224. Type-locality: not cited; in second publication, “Valley of the Amazon”. Distr. – Brazil (Amazonas, Pará, Amapá). Ref. – Steyskal, 1967: 3 (cat.).
- walkeri* Prado, 1966: 243, figs. 91-97. Type-locality: Brazil, Pará, Belém (Santa Bárbara). Ref. – Steyskal, 1967: 3 (cat.; syn.).
- titillatrix** Steyskal, 1967: 3. Type-locality: Brazil, Pará, Óbidos. Distr. – Brazil (Pará).
- tibialis* Walker of Prado, 1966: 237, figs. 70-76, misident.

### Genus *Willistoniella* Mik, 1895

- Rhopalomyia* Williston, 1895a: 184 (preocc. Rübsaamen, 1892). Type-species, *Ropalomera pleuropunctata* Wiedemann, 1824 (mon.).
- Willistoniella** Mik, 1895: 136 (*nom. nov.* for *Rhopalomyia* Williston, 1895). Type-species, *Ropalomera pleuropunctata* Wiedemann, 1824 (aut.).

Refs. – Marques & Ale-Rocha, 2005 (rev.); Marques, Ale-Rocha & Ronchi-Teles, 2004.

- latiforceps** Marques & Ale-Rocha, 2005: 212, figs. 1-8, 18-21, 48. Type-locality: Brazil, Amazonas, Presidente Figueiredo, AM-240, km 24 (Comunidade São Francisco de Assis). Distr. – Brazil (Amazonas).
- pleuropunctata** (Wiedemann), 1824: 18 (*Ropalomera*). Type-locality: “South America”. Distr. – South Mexico to Panama, Trinidad, South America south to northern Argentina. Refs. – Giglio-Tos, 1894: 43 (*Rhopalomera*); Williston, 1895: 184 (*Rhopalomyia*); Aldrich, 1905: 600 (cat., *Rhopalomera*); Frey, 1921: 101 (*Rhopalomera*); Hendel, 1923: 203; Lindner, 1930a: 128, 1930b: 282; Aldrich, 1932: 11; Fischer, 1932: 449; Hendel, 1933: 214; Steyskal, 1957: 71, fig. 5; Hennig, 1958: 581; Frey, 1959: 47; Prado, 1963: 466, figs. 25-36, 1966: 247, 1967: 73; Steyskal, 1967: 4 (cat.); Baez, 1985: 80; Prado & Papavero, 2002: 2 (cat.); Marques & Ale-Rocha, 2005: 213, figs. 9-17, 22-25, 49.
- vittifrons* Rondani, 1848: 81 (*Rhopalomera*). Type-locality: “Brazil” [Pará, Belém].
- substituta* Walker, 1857: 225 (*Ropalomera*). Type-locality: “Brazil”.
- spatulata** Marques & Ale-Rocha, 2005: 219, figs. 26-32, 40-43, 50. Type-locality: Brazil, Amazonas, Beruri, Estrada do INCRA, km 3. Distr. – Honduras, Panama, Colombia, Venezuela. Ecuador, Brazil (Amazonas, Pará).
- ulyssesi** Marques & Ale-Rocha, 2005: 223, figs. 33-39, 44-47, 51. Type-locality: Brazil, Amazonas, Manaus (Reserva Adolpho Ducke). Distr. – Mexico (Campeche, Chiapas, Colima, Jalisco, Michoacán, Oaxaca, Quintana Roo, San Luís Potosí, Veracruz, Yucatán), Belize, Guatemala, Honduras, Costa Rica, Panama, Trinidad, Venezuela, Ecuador, Peru, Brazil

(Acre, Rondônia, Amazonas, Roraima, Pará, Amapá, Goiás, Espírito Santo, Rio de Janeiro, Paraná), Bolivia, Paraguay, Argentina.

*pleuropunctata* (Wiedemann) of Prado, 1963: 168, Steyskal, 1987: 943 and Ramírez-García & Hernández-Ortiz, 1994: 72, figs. 1E-F, 4C, 7A-F, misident.

#### Unrecognized species

**flaviceps** Macquart, 1846: 226, pl. 18, fig. 6 (*Ropalomera*). Type-locality: “Nouvelle Grenade” [= Colombia]. Ref. – Prado, 1966: 246 (may belong in *Apophorhynchus*).

**rufipes** Walker, 1849: 1063 (*Ropalomera*). Type-locality: not cited. Refs. – Hendel, 1933 (as an unrecognized species of Richardiidae); Hennig, 1932: 121 (as Richardiidae); Steyskal, 1967: 4 (could not locate type at the British Museum (Natural History)).

**varipes** Walker, 1862: 375 (*Ropalomera*). Type-locality: “Colombia”. Refs. – Prado, 1966: 246 (unrecogn.); Steyskal, 1967: 4 (could not locate type at the British Museum (Natural History)).

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- latiforceps Marques & Ale-Rocha, 2005, Willistoniella – 4  
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- nebulosa Walker, 1857, Ropalomera – 3
- nudipes Frey, 1959, Ropalomera – 4
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- pleuropunctata (Wiedemann), 1824 (Ropalomera), Willistoniella – 4  
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- Rhopalomera Agassiz, 1846, emend. – 3  
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