

Papéis Avulsos de Zoologia

Museu de Zoologia da Universidade de São Paulo

Volume 56(16):177-181, 2016

www.mz.usp.br/publicacoes

www.revistas.usp.br/paz

ISSN impresso: 0031-1049

ISSN on-line: 1807-0205

NOMENCLATURAL ACTS FOR SOME NEOTROPICAL TACHINIDAE (DIPTERA)

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ABSTRACT

New replacement names and synonymies are proposed for Neotropical Tachinidae, mainly from Brazil. The following 13 new replacement names are proposed for junior secondary homonyms: Jurinella neobesa, new name for Jurinella obesa (Townsend, 1928) (preocc. Wiedemann, 1830); Archytas wulpianus, new name for Archytas nigrocalyptratus (Wulp, 1888) (preocc. Macquart, 1846); Calodexia neofumosa, new name for Calodexia fumosa (Townsend, 1917) (preocc. Townsend, 1912); Calodexia bigoti, new name for Calodexia flavipes (Bigot, 1889) (preocc. Schiner, 1868); Eucelatoria paracarinata, new name for Eucelatoria carinata (Townsend, 1927) (preocc. Townsend, 1919); Eucelatoria currani, new name for Eucelatoria carinata (Curran, 1926) (preocc. Townsend, 1919); Lixophaga opsiangusta, new name for Lixophaga angusta (Townsend, 1927:294) (preocc. Townsend, 1927:284); Lixophaga thompsoniana, new name for Lixophaga fumipennis (Thompson, 1968) (preocc. Townsend, 1927); Lixophaga townsendiana, new name for Lixophaga fumipennis (Townsend, 1928) (preocc. Townsend, 1927); Myiopharus argentata, new name for Myiopharus argentescens (Townsend, 1935) (preocc. Townsend, 1927); Phyllophilopsis disgracilis, new name for Phyllophilopsis gracilis (Townsend, 1927) (preocc. Townsend, 1919); Phasia townsendiana, new name for Phasia brasiliana (Townsend, 1937) (preocc. Townsend, 1929); and Phasia aurodysderci, new name for Phasia dysderci (Townsend, 1940) (preocc. Townsend, 1938). And the two following synonymies are proposed (reinstated): Jurinella ambigua (Macquart, 1851) = Jurinella obesa (Wiedemann, 1830); and Archytas analis (Macquart, 1843) = Archytas analis (Fabricius, 1905).

KEY-WORDS: New names; Synonymy; Tachinidae; Neotropical.

INTRODUCTION

While preparing the Catalogue of Tachinidae of Brazil (Nihei *et al.*, 2015), we found several junior homonyms within the Neotropical tachinids, mainly from Brazil. In order to promote nomenclatural sta-

bility, and eliminating thus ambiguous names, we are proposing new replacement names for 13 species in the present contribution, and two synonymies are reinstated, namely: *Archytas analis* (Macquart, 1843) = *Archytas analis* (Fabricius, 1905); and *Jurinella obesa* (Wiedemann, 1830) = *Jurinella ambigua* (Macquart, 1851).

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The following acronyms were used for the repository museums cited in the text: **AMNH**, American Museum of Natural History, New York, USA; **BMNH**, Natural History Museum, London, UK; **CNC**, Canadian National Collection of Insects, Ottawa, Canada; **NHMJ**, Natural History Museum, Kingston, Jamaica; **NHMW**, Naturhistorisches Museum Wien, Austria; **USNM**, National Museum of Natural History, Washington DC, USA; and **ZMUC**, Zoological Museum, Copenhagen, Denmark.

RESULTS

Homonymies TACHININI

1. *Archytas nigrocalyptratus* (Wulp, 1888:33) (*Echinomyia*). Holotype male (BMNH). *Type locality*: Mexico, Medellin, near Vera Cruz. Preocc. by *Archytas nigrocalyptratus* (Macquart, 1846:273) (1846:145) (*Jurinia*). *Type locality*: Brazil, Minas Gerais.

Notes: Guimarães (1971:51) first recognized this homonymy and noted: "This species is a secondary homonym of the preceding; as both are unrecognized I prefer not to rename it at present".

Nomen novum: *Archytas wulpianus*, new name for *Archytas nigrocalyptratus* (Wulp).

2. *Jurinella obesa* (Townsend, 1928:153) (*Parajurinia*). Holotype male (USNM). *Type locality*: Brazil, Espírito Santo. Preocc. by *Jurinella obesa* (Wiedemann, 1830:282) (*Tachina*). Syntypes male/female (NHMW, ZMUC). *Type locality*: "Brazil".

Notes: When Woodley (2007) synonymized *Parajurinia* Townsend, 1928 with *Jurinella* Brauer & Bergenstamm, 1889, this brought the new combination, *Jurinella obesa* (Townsend, 1928) (type species of *Parajurinia*), which became a junior secondary homonym of *Jurinella obesa* (Wiedemann, 1830).

Nomen novum: *Jurinella neobesa*, new name for *Jurinella obesa* (Townsend).

BLONDELIINI

3. *Calodexia fumosa* (Townsend, 1917:227) (*Ommaleskia*). Holotype male (AMNH). *Type*

locality: Brazil, Rio de Janeiro. Preocc. by *Calodexia fumosa* (Townsend, 1912) (*Oestrogaster*). Holotype female (USNM). *Type locality*: Peru, Cajamarca, Jaen, Charape River.

Notes: *Ommaleskia fumosa* Townsend, 1917 and *Oestrogaster fumosa* Townsend, 1912 are type species of their respective original genera, and became secondary homonyms since the synonymy between *Ommaleskia* and *Oestrogaster* with *Calodexia* were proposed by Wood (1985:25).

Nomen novum: *Calodexia neofumosa*, new name for *Calodexia fumosa* (Townsend, 1917).

4. *Calodexia flavipes* (Bigot, 1889:268) (*Homodexia*). Holotype female (BMNH). *Type locality*: "Mexico" Preocc. by *Calodexia flavipes* (Schiner, 1868:326) (*Meigenia*). Holotype male (NHMW). *Type locality*: "Brazil".

Notes: *Homodexia flavipes* Bigot was used as type species of *Eucalodexia* Townsend, 1908, but this genus was synonymized with *Calodexia* Wulp, 1891 by Wood (1985:25). Since then, it is a secondary homonym of *Calodexia flavipes* (Schiner).

Nomen novum: *Calodexia bigoti*, new name for *Calodexia flavipes* (Bigot).

5. *Eucelatoria carinata* (Townsend, 1927:359) (*Tachinophytopsis*). Holotype female (USNM). *Type locality*: Brazil, São Paulo, Tremembé. Preocc. Townsend, 1919. Preocc. by *Eucelatoria carinata* (Townsend, 1919:578) (*Machairomasicera*). Holotype female (USNM). *Type locality*: Ecuador, Manchi.

Notes: These three names (see the next case) became secondary homonyms in *Eucelatoria* after the generic synonymies and new combinations proposed by Wood (1985:40).

Nomen novum: *Eucelatoria paracarinata*, new name for *Eucelatoria carinata* (Townsend, 1927).

6. *Eucelatoria carinata* (Curran, 1926:108) (*Lixinia*). Holotype male (NHMJ). *Type locality*: Jamaica, Hope Gardens. Preocc. Townsend, 1919. Preocc. by *Eucelatoria carinata* (Townsend, 1919:578) (*Machairomasicera*). Holotype female (USNM). *Type locality*: Ecuador, Manchi.

Notes: These three names (see the previous case) became secondary homonyms in *Eucelatoria* after the generic synonymies and new combinations proposed by Wood (1985:40).

Nomen novum: *Eucelatoria currani*, new name for *Eucelatoria carinata* (Curran).

7. ***Lixophaga angusta*** (Townsend, 1927:294) (*Cataphorinia*). Holotype male (USNM). *Type locality:* Brazil, São Paulo, Itaquaquecetuba. Preocc. by *Lixophaga angusta* (Townsend, 1927:284) (*Actinotachina*). Holotype female (USNM). *Type locality:* Peru, Yahuarmayo.

Nomen novum: *Lixophaga opsiangusta*, new name for *Lixophaga angusta* (Townsend, 1927:294).

8. ***Lixophaga fumipennis*** (Thompson, 1968:134) (*Cataphoriniopsis*). Holotype female (CNC). *Type locality:* Trinidad, "Simla". Preocc. by *Lixophaga fumipennis* (Townsend, 1927:345) (*Paraprospherysa*). Holotype female (USNM). *Type locality:* Brazil, São Paulo, Cantareira.

Nomen novum: *Lixophaga thompsoniana*, new name for *Lixophaga fumipennis* (Thompson).

9. ***Lixophaga fumipennis*** (Townsend, 1928:147) (*Euprospherysa*). Holotype male (USNM). *Type locality:* Peru, Las Flores, Mayo River. Preocc. by *Lixophaga fumipennis* (Townsend, 1927:345) (*Paraprospherysa*). Holotype female (USNM). *Type locality:* Brazil, São Paulo, Cantareira.

Nomen novum: *Lixophaga townsendiana*, new name for *Lixophaga fumipennis* (Townsend, 1928).

10. ***Myiopharus argentescens*** (Townsend, 1935:226) (*Anoxynopsella*). Holotype female (USNM). *Type locality:* Brazil, Pernambuco, Tapera. Preocc. by *Myiopharus argentescens* (Townsend, 1927:332) (*Neoargyrophylax*). Holotype male (USNM). *Type locality:* Brazil, São Paulo, Itaquaquecetuba.

Nomen novum: *Myiopharus argentata*, new name for *Myiopharus argentescens* (Townsend, 1935).

11. ***Phyllophilopsis gracilis*** (Townsend, 1927:365) (*Xanthophyllophila*). Holotype male (USNM). *Type locality:* Brazil, São Paulo, Itaquaquecetuba. Preocc. by *Phyllophilopsis gracilis* (Townsend,

1919:565) (*Microchaetona*). Holotype male (USNM). *Type locality:* Peru, Inambari River, Yahuarmayo.

Nomen novum: *Phyllophilopsis disgracilis*, new name for *Phyllophilopsis gracilis* (Townsend, 1927).

PHASIINI

12. ***Phasia brasiliana*** (Townsend, 1937:317) (*Paraphoranthia*). Holotype female (USNM). *Type locality:* Brazil, São Paulo, Campinas. Preocc. by *Phasia brasiliana* (Townsend, 1929:370) (*Alophorella*). Holotype male (USNM). *Type locality:* Brazil, São Paulo, Itaquaquecetuba.

Notes: Herting (1984) synonymized *Alophorella* Townsend, 1912 with *Phasia* Latreille, 1804; later O'Hara & Wood (1998) synonymized *Paraphoranthia* Townsend, 1915 with *Phasia*, but left the homonymy between *Phasia brasiliana* (Townsend, 1937) and *Phasia brasiliana* (Townsend, 1929) unchanged.

Nomen novum: *Phasia townsendiana*, new name for *Phasia brasiliana* (Townsend, 1937).

13. ***Phasia dysderci*** (Townsend, 1940:889) (*Paraphasia*). Syntype male (USNM). *Type locality:* Brazil, São Paulo, Campinas and Sorocaba. Preocc. by *Phasia dysderci* (Townsend, 1938:347) (*Euphoranthia*). Syntypes 1 male and 1 female (USNM). *Type locality:* Brazil, São Paulo, Sorocaba.

Notes: Guimarães (1971) proposed the new combination *Alophorella dysderci* for this species originally described as *Euphoranthia*. Later, Sun & Marshall (2003) synonymized several Neotropical genera under *Phasia*, but had left these homonyms unchanged.

Nomen novum: *Phasia aurodysderci*, new name for *Phasia dysderci* (Townsend, 1940).

Synonymies TACHININI

1. ***Archytas analis*** (Macquart, 1843:196) (1843:39) (*Jurinia*). *Type locality:* "Brazil". Junior synonym of *Archytas analis* (Fabricius, 1805:311) (*Tachina*). Holotype (ZMUC). *Type locality:* "America meridionali" [probably British Guiana, Essequibo River]. **Syn. nov.**

Notes: Guimarães (1971:48) first recognized this homonymy and noted: "This species is a secondary homonym of the preceding one; as both are unrecognized I prefer not to rename it at present". It is curious that he had defined *A. analis* (Fabricius) as unrecognized, whereas several other authors, previously and posteriorly, were able to identify this taxon, even proposing new junior synonymies under this nominal species (e.g., Austen, 1907; Ravlin & Stehr, 1984). The original description given by Fabricius is poor, but the examination of the female type, although a female, allows its unambiguous identification. Therefore, only *analis* Macquart can be regarded as unrecognized. In his revision of *Archytas*, Guimarães (1961:374) listed *analis* Macquart as synonym of *analis* Fabricius, which we reinstate here.

2. *Jurinella ambigua* (Macquart, 1851:145) (Macquart, 1851:172) (*Hystercia*). *Type locality:* Mexico, Guerrero. Junior synonym of *Jurinella obesa* (Wiedemann, 1830:282) (*Tachina*). *Syntypes* male/female (NHMW, ZMUC). *Type locality:* "Brazil". **Syn. nov.**

Notes: Townsend (1931:159) had already proposed this synonymy, thereafter Curran (1947:66) put this synonymy as doubtful only because the color of abdomen is different. Then, Guimarães (1971) treated *ambigua* Macquart as valid name and *obesa* Wiedemann as unrecognized, even though the syntypes of the latter are available for study. Thus, we are now reinstating the synonymy between *Jurinella obesa* (Wiedemann, 1830) and *Jurinella ambigua* (Macquart, 1851).

RESUMO

Novos nomes e sinônímias são propostos para Tachinidae da Região Neotropical, principalmente do Brasil. Os seguintes nomes (13) são propostos para homônimos secundários juniores: Jurinella neobesa, novo nome para Jurinella obesa (Townsend, 1928) (preocc. Wiedemann, 1830); Archytas wulpianus, novo nome para Archytas nigrocalyptratus (Wulp, 1888) (preocc. Macquart, 1846); Calodexia neofumosa, novo nome para Calodexia fumosa (Townsend, 1917) (preocc. Townsend, 1912); Calodexia bigoti, novo nome para Calodexia flavipes (Bigot, 1889) (preocc. Schiner, 1868); Eucelatoria paracarinata, novo nome para Eucelatoria carinata (Townsend, 1927) (preocc. Townsend, 1919); Eucelatoria currani, novo nome para Eucelatoria carinata (Curran, 1926) (preocc. Townsend, 1919); Lixophaga opsiangusta, novo nome para Lixophaga angusta

(Townsend, 1927:294) (preocc. Townsend, 1927:284); Lixophaga thompsoniana, novo nome para Lixophaga fumipennis (Thompson, 1968) (preocc. Townsend, 1927); Lixophaga townsendiana, novo nome para Lixophaga fumipennis (Townsend, 1928) (preocc. Townsend, 1927); Myiopharus argentata, novo nome para Myiopharus argentescens (Townsend, 1935) (preocc. Townsend, 1927); Phyllophilopsis disgracilis, novo nome para Phyllophilopsis gracilis (Townsend, 1927) (preocc. Townsend, 1919); Phasia townsendiana, novo nome para Phasia brasiliana (Townsend, 1937) (preocc. Townsend, 1929); e Phasia aurodysderci, novo nome para Phasia dysderci (Townsend, 1940) (preocc. Townsend, 1938). E duas sinônímias são propostas (restauradas): Archytas analis (Macquart, 1843) = Archytas analis (Fabricius, 1905), e Jurinella ambigua (Macquart, 1851) = Jurinella obesa (Wiedemann, 1830).

PALAVRAS-CHAVE: NOVOS NOMES; SINONÍMIA; TACHINIDAE; NEOTROPICAL.

ACKNOWLEDGEMENTS

Financial support from FAPESP (SSN research grant, proc. n. 2015/10788-0) and CNPq (SSN fellowship, proc. n. 303615/2015-2). Thanks to Elizabeth Morrison (NHMJ) for kindly informing us about the location of the type of *Lixinia carinata* Curran, and to Peter Sehnal (NHMW) who kindly shared with us his unpublished catalogue of types deposited at Wien collection.

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Aceito por Carlos Lamas em: 03/11/2016
 Publicado em: 17/11/2016