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SPINELLI, Gustavo R.

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Synonymy in Neotropical Ceratopogonidae (Diptera: Culicomorpha)

Sinonimias en Ceratopogonidae (Diptera: Culicomorpha)
neotropicales

Gustavo R. SPINELLI spinelli@fcnym.unlp.edu.ar
Instituto de Limnología "Dr. Raúl A. Ringuelet" (ILPLA, CONICET),
Argentina

Abstract: Based on the study of type specimens, *Forcipomyia galliarii* is recognized as junior synonym of *Forcipomyia platensis*, and *Alluaudomyia biestroi* of *Alluaudomyia catarinensis*. New records of both species from Argentina are given.

Keywords: *Alluaudomyia*, Argentina, *Forcipomyia*, New records, Nomenclatorial actions.

Resumen: Sobre la base del estudio de los ejemplares tipo, *Forcipomyia galliarii* se reconoce como un sinónimo menor de *Forcipomyia platensis*, y *Alluaudomyia biestroi* de *Alluaudomyia catarinensis*. Se brindan nuevos registros de ambas especies en Argentina.

Palabras clave: Acciones nomenclatoriales, *Alluaudomyia*, Argentina, *Forcipomyia*, Nuevos registros.

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The study of the entomological collection of Ceratopogonidae (Diptera: Culicomorpha) of the Museo de La Plata, Argentina (MLPA), carried out in the framework of the preparation of a family catalogue for Argentina, revealed that *Forcipomyia galliarii* Marino & Spinelli is a junior synonym of *Forcipomyia platensis* (Brèthes), and *Alluaudomyia biestroi* Spinelli is a junior synonym of *Alluaudomyia catarinensis* Spinelli & Wirth, as it is detailed below.

Forcipomyia (Euprojoannisia) platensis (Brèthes)

Euprojoannisia platensis Brèthes, 1914: 156 (female; Buenos Aires, Estación General Urquiza); Spinelli, 1983: 127 (female redescription; male misidentified); Cazorla et al., 2018: 4 (records from Buenos Aires province).

Forcipomyia (Euprojoannisia) platensis Wirth & Cavalieri, 1975: 125 (notes on type; generic position).

Forcipomyia (Metaforcipomyia) galliarii Marino & Spinelli, 1999: 5 (female; Argentina, Misiones province).

Forcipomyia (Euprojoannisia) galliarii Marino & Spinelli, 2003: 21 (subgeneric position). NEW SYNONYM.

Type specimens examined

Female holotype of *Euprojoannisia platensis*: Argentina, Ciudad Autónoma de Buenos Aires, Estación General Urquiza, 34°34'29.38"S, 58°29'16.29"W (slide in Canada balsam, in good condition). Housed in the Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina (MACN).

Female holotype of *Forcipomyia (Metaforcipomyia) galliarii*: Argentina, Misiones, Aristóbulo del Valle, arroyo Cuña Pirú, 27°05'16.30"S, 54°57'8.64"W, 17/26-VII-1996, C. Galliari – J. Williams, Malaise trap (MLPA).

Other specimens examined

Argentina, Misiones, Parque Nacional Iguazú, 25°39'S, 54°18'W, 24-X-2006, C. Cazorla, 1 female, sweep net; Misiones, Posadas, 27°24'26.66"S, 55°57'29.29"W, VII-2001, G. Spinelli, 1 female, CDC light trap; Misiones, Posadas, club San Francisco, 4-IX-2008, H. Walantus, 1 female, CDC light trap 27°23'31.20"S, 55°55'59.37"W; Córdoba, paraje Las Jarillas, río San Antonio, 31°32'02.8"S, 64°33'01.7"W, 820 m, 25-XI-2007, G. Spinelli, 1 female, Malaise trap; Corrientes, Esteros del Iberá, Estancia San Nicolás, casco, 28°07'41.0"S, 57°26'03.5"W, 16-IX-2009, G. Spinelli, 2 females, at light; Buenos Aires, Punta Indio, arroyo Villoldo, 35°15'56.77"S, 57°15'34.19"W, 25-XI-1998, P. Marino, 6 males, 6 females, sweep net (MLPA).

Distribution

Argentina (Buenos Aires, Córdoba, Corrientes, Misiones).

Discussion

The synonymy herein proposed is based on the comparison of the female holotypes of *F. platensis* and *F. galliarii*. On the other hand, the female specimens from Escobar and the male specimen from Villa la Nata in Buenos Aires province recorded by Spinelli (1983) as *F. platensis* were misidentified, and actually belong to an undescribed species. The remaining specimens recorded by Spinelli (1983) as *F. platensis* perfectly agree with the holotype of this species. The male of *F. platensis* is hitherto undescribed.

Alluaudomyia catarinensis Spinelli & Wirth

Alluaudomyia catarinensis Spinelli & Wirth, 1984: 681 (female; Brazil).

Alluaudomyia biestroi Spinelli, 1988: 681 (male, pupa; Argentina, Corrientes province). NEW SYNONYM.

Type specimens examined

Female holotype of *Alluaudomyia catarinensis*: Brazil, Santa Catarina, Nova Teutônia, 27°9'41.88"S, 52°24'14.13"W, X-1967, F. Plaumann (slide in Canada balsam, in good condition). Housed in the U.S. National Museum of Natural History, Washington, D.C., U.S.A (USNM).

Male paratype, with pupal exuviae, of *Alluaudomyia biestroi*: Uruguay, Artigas, arroyo Lenguazo at National Route 3, 30°25'48.4"S, 57°38'14.4"W, 8-XI-1984, E. Balseiro – G. Spinelli (slide in Canada balsam, in good condition) (MLPA). The holotype (Argentina, Corrientes, Mocoretá, 30°37'06.63"S, 57°58'31.17"W, 22-IV-1988, G. Spinelli), formerly in the collection of the MLPA, is lost, as it was pointed out by Marino et al. (2002).

Other specimens examined

Paraguay, Itapúa, Encarnación, Quiteria, 27°17'57.6"S, 55°53'31.8"W, 14-VIII-1995, H. Ferreyra, 1 female, CDC light trap; Itapúa, Bella Vista, 27°5'53.8"S, 55°31'12.5"W, 3/4-X-2000, A. Ortiz, D. López, 1 female, CDC light trap (MLPA). Argentina, Misiones, Corpus, 27°6'22.43"S, 55°31'24.71"W, VII-2001, G. Spinelli, 4 females, 1 male, CDC light trap; Corrientes, arroyo Pay Ubre, 29°01'41.2"S, 58°10'26.6"W, 66 m, 12-III-2010, G. Spinelli, 1 female; Corrientes, Mocoretá, 30°37'06.63"S, 57°58'31.17"W, 17-III-1989, 1 female (MLPA). Uruguay, Salto, Termas del Arapey, 30°57'7.0"S, 57°31'16.0"W, 18-XII-1989, J. Schnack, 1 female, 1 male, CDC light trap (MLPA).

Distribution

Paraguay (Itapúa), Argentina (Corrientes), Uruguay (Artigas, Salto).

Discussion

During the present study a female that fits perfectly with the type of *A. catarinensis*, a species hitherto known by the female, was discovered in the collection of the MLPA. It was collected in Corrientes, Mocoretá, the type locality of *A. biestroi*, a species hitherto known by the male. This situation prompts us to review the specific identification of this female specimen and its comparison with the only existing paratype of *A. biestroi*, concluding that the observed differences are attributed to the usual sexual differences. Because of this, *A. biestroi* is herein considered a junior synonym of *A. catarinensis*. This sex association was corroborated also in other localities, such as Corpus and Termas del Arapey.

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