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# New records of arctiid moths from Argentina (Lepidoptera: Erebidae, Arctiinae)

H. M. Beccacece & F. R. Navarro

## Abstract

Twenty four new records of arctiid moths for Argentina are presented.

KEY WORDS: Lepidoptera, Erebidae, Arctiinae, biodiversity, taxonomy, Argentina.

## Nuevas citas de ártidos para la Argentina (Lepidoptera: Erebidae, Arctiinae)

## Resumen

Se presentan un total de veinticuatro nuevas citas de ártidos para Argentina.

PALABRAS CLAVE: Lepidoptera, Erebidae, Arctiinae, biodiversidad, taxonomía, Argentina.

## Introduction

The arctiid moths, at present in family Erebidae Leach, [1815] (ZAHIRI *et al.*, 2012; LAFONTAINE & SCHMIDT, 2010), make up approximately 6000 species in the Neotropics (HEPPNER, 1991).

Mostly they are nocturnal, but there are species with crepuscular and diurnal habits (SCOBLE, 1995). The adults are mainly small to large macrolepidoptera with a robust body. These moths are important for their diversity and ecological habits: some species have hymenopteran mimetic habits, others use toxic compounds for defence or courtship behaviour and some have the capacity to emit ultrasonic sounds to deter nocturnal predators and also for courtship behaviours (WELLER *et al.*, 1999; JACOBSON & WELLER, 2002).

The group has economic and sanitary interest, some are pests of crops and the caterpillars of some species can cause hives (de ROODT *et al.*, 2000; NAVARRO *et al.*, 2009).

A complete list of arctiid moths records for Argentina is in preparation at present, and it will contain approximately 250 species.

In this paper 24 new citations of arctiid moths from natural areas of Argentina are presented.

## Material and methods

The material examined is deposited in the Institute and Foundation Miguel Lillo, Tucumán, Argentina (IFML) and in the Museo de Zoología-Universidad Nacional de Córdoba (MZNC) in the GICLA collection (Argentina Lepidoptera Conservation & Research Group). The specimens have been identified with bibliography, genitalia prepared and consultation with specialists (see acknowledgements). The taxonomical arrangement proposed by LAFONTAINE & SCHMIDT (2010) is used here.

## Results

Superfamily Noctuoidea Latreille, [1802]  
Family Erebidae Leach, [1815]  
Subfamily Arctiinae Leach, [1815]  
Tribe Arctiini Leach, [1815]  
Subtribe Arctiina Leach, [1815]

*Hypercompe brasiliensis* (Oberthür, 1881)

Misiones, San Pedro, 1 ♂, 19-X-2005, IFML.

Subtribe Phaegopterina Kirby, 1892

*Amastus aconia* (Herrich-Schäffer, 1853)

Jujuy, Parque Nacional Calilegua - Mesada de las Colmenas, 3 ♂♂ and 1 ♀, 12-II-1992, (L. Valverde, leg.), IFML; Jujuy, P. N. Calilegua-Mesada de las Colmenas, 2 ♂♂, 21-23-XI-1995, (A. Chalup & M. E. Villagrán leg.), IFML; Jujuy, P. N. Calilegua, 1 ♂ and 1 ♀, 11-14-XI-1996, (L. Valverde & F. Romero, leg.), IFML; Jujuy, P. N. Calilegua-Mesada de las Colmenas, 1 ♂, 12-XI-1996, (F. Romero, leg.), IFML; Salta, Aguas Blancas, 1 ♂ and 1 ♀, 4-III-1994, (F. Navarro, leg.), IFML; Salta, Aguas Blancas - Río Pescado, 1 ♀, 16-XI-1994, (F. Romero, leg.), IFML; Tucumán, Lules-Potrero de las Tablas, 1 ♀, 14-XII-1993 (L. Valverde & F. Romero, leg.), IFML.

*Bertholdia albipuncta* Schaus, 1896

Misiones, Parque Provincial Cruce Caballero, 26° 31' 12" S 53° 59' 12" W, 610 m, 1 ♀, 21-X-2010, (H. Beccacece, F. Navarro and A. Chalup, leg.), MZNC-GICLA.

*Carales maculicollis* Walker, 1855

Misiones, P. P. Esmeralda, 26° 53' 39" S 53° 52' 44" W, 505 m, 3 ♂♂ & 1 ♀, 18-I-2012, (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA; Misiones, P. P. Moconá, 27° 09' 17" S 53° 53' 31" W, 433 m, 1 ♂ and 2 ♀♀, 19-I-2012, (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA.

*Neonerita dorsipuncta* Hampson, 1901

Misiones, P. P. Cañadón de Profundidad-La Profundidad, 1 ♂, 5-XII-1998, (A. Chalup leg.), IFML.

*Opharus procroides* Walker, 1855

Misiones, P. P. Esmeralda, 26° 53' 39" S 53° 52' 44" W, 505 m, 2 ♂♂ and 2 ♀♀, 18-I-2012. (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA; Misiones, P. P. Moconá, 27° 09' 17" S 53° 53' 31" W, 433 m, 2 ♂♂ and 1 ♀, 19-I-2012, (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA.

*Viviennea dolens* (Druce, 1904)

Misiones, P. P. Teyú Cuaré, 27° 17,078' S 55° 35,301' W, 181 m, 1 ♀, 18-X-2010, (H. Beccacece, F. Navarro and A. Chalup leg.), MZNC-GICLA; Misiones, P. P. Esmeralda, 26° 53' 39" S 53° 52' 44" W, 505 m, 10 ♂♂ and 1 ♀♀, 18-I-2012 (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA; Misiones, P. P. Moconá, 27 09' 17" S 53° 53' 31" W, 433 m, 1 ♂, 19-I-2012, (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA.

Subtribe Euchromiina Butler, 1876

*Cosmosoma annexa* (Herrich-Schäffer, 1854)

Misiones, P. P. Esmeralda, 26° 53' 39" S 53° 52' 44" W, 505 m, 1 ♂, 18-I-2012. (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA.

*Dycladia lucetius* (Stoll, 1780)

Chaco, Benítez, 1 ♂, 12-XII-1948, (R. Golbach leg.); Santa Fé, Villa Ana, 1 ♀, Ia, 18-II-1946, (K. Hayward, and A. Willink leg.), IFML; Corrientes, Paso de los Libres, 1 ♂, XI-1946, IFML.

*Erruca consors* (Walker, 1854)

Misiones, San Pedro, 1 ♂, 2-XII-1931, (A. Willink and P. Monros leg.), IFML.

*Ichoria virescens* Dognin, 1914

Tucumán, Quebrada de Lules, 1 ♂, 25-II-1922, IFML; Tucumán, Quebrada de Lules, 1 ♂, III-1922, IFML; Tucumán, Quebrada de Lules, 1 ♂, II-1923, IFML; Tucumán, Quebrada de Lules, 1 ♂, III-1923, IFML; Tucumán, Villa Nougés, 2 ♂♂, I-1929, IFML; Tucumán, Villa Nougés, 2 ♂♂, 21-I-1931, IFML; Tucumán, Tafi Viejo, 1 ♂, ?-1929, IFML; Tucumán, 1 ♂, 31-III-1941; Tucumán, Horco molle, 1 ♂ and 1 ♀, 22-III-1960, (Kohler, P.), IFML; Tucumán, San Javier, 1200 m, 2 ♂♂, 16-III-1960, (A. Willink leg.), IFML; Tucumán San Javier, Ciudad Universitaria, 3 ♂♂, I-1962, (A. Willink leg.), IFML; Tucumán, Capital, 1 ♂, VI-1942, IFML; Tucumán, 1 ♀, 5-III-1928, IFML; Tucumán, 1 ♂, 14-V-1921, IFML; Salta, Aguaray, 1 ♂, 14 to 15-II-1950, (R. Golbach leg.), IFML.

*Macrocne mormo* Dietz, 1994

Misiones, Iguazú, 30-Ia, 13-III-1945, 1 ♂ (K. Hayward, A. Willink and R. Golbach leg.) (Det. by Dietz, R.), IFML.

*Metamya aenetus* (Schaus, 1896)

Misiones, P. P. Esmeralda, 26° 53' 39" S 53° 52' 44" W, 505 m, 1 ♂, 18-I-2012. (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA.

*Mirandisca harpalyce* Schaus, 1892

Misiones, P. P. Esmeralda, 26° 53' 39" S 53° 52' 44" W, 505 m, 1 ♀, 18-I-2012, (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA.

*Nyridela chalciope* (Hübner, 1827)

Tucumán, 1 ♂, 28-V-1957, IFML; Tucumán, Quebrada de Lules, 1 ♂ & 1 ♀, III-1926, IFML; Tucumán, 1 ♀, V-1905, IFML; Tucumán, Capital, 1 ♂, V-1952, IFML; Quebrada de Lules, 1 ♂, III-1926, IFML.

Subtribe Ctenuchina Kirby, 1837

*Sciopsyche tropica* (Walker, 1854)

Tucumán, San Miguel de Tucumán, 1 ♀, 22-VII-1932, IFML.

*Eucereon punctata* (Guérin-Méneville, 1844)

Misiones, P. P. Esmeralda, 26° 53' 39" S 53° 52' 44" W, 505 m, 1 ♂, 18-I-2012 (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA.

*Delphyre brunnea* (Druce, 1898)

Misiones, P. P. Urugua-í, 25° 51,501' S 54° 10,109' W, 3 ♂♂, 19-X-2010, (H. Beccacece, F. Navarro & A. Chalup leg.), MZNC-GICLA; Misiones, P. P. Urugua-í - 4 Km. to E of Arroyo Uruzú, 3 ♂♂ and 1 ♀, 20-X-2010, (H. Beccacece, F. Navarro and A. Chalup leg.), MZNC-GICLA; Misiones, P.

P. Moconá, 27° 09' 17" S 53° 53' 31" W, 433 m, 1 ♂, 19-I-2012, (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA.

Subtribe Pericopina Walker, [1865]

*Dysschema hilarina* (Weymer, 1914)

Misiones, P. P. Esmeralda, 26° 53' 39" S 53° 52' 44" W, 505 m, 2 ♂♂, 18-I-2012. (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA.

*Dysschema lucifer* (Butler, 1873)

Misiones, P. P. Esmeralda, 26° 53' 39" S 53° 52' 44" W, 505 m, 3 ♂♂, 18-I-2012, (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA; Misiones, P. P. Moconá, 27° 09' 17" S 53° 53' 31" W, 433 m, 1 ♂, 19-I-2012, (H. Beccacece, A. Zapata; G. San Blas; E. Drewniak and N. Villafañe leg.), MZNC-GICLA.

*Euchlaenidia neglecta* Rothschild, 1910

Misiones, P. P. Moconá-Arroyo Yabotí, 1 ♂, 9-XI-1998, (F. Navarro leg.), IFML.

Tribe Lithosiini Billberg, 1820

Subtribe Cisthenina Bendib & Minet, 1999

*Illice cryptopyra* Hampson, 1903

Salta, Aguaray, 8 ♂♂ and 5 ♀♀, 14-II-1950, (R. Golbach leg.), IFML; Salta, Aguaray, 6 ♂♂ and 1 ♀, 15-II-1950, (R. Golbach leg.), IFML; Salta, Aguaray, 2 ♂♂, 16-II-1950, (R. Golbach leg.), IFML; Salta, Aguaray, 12 ♂♂, 19-II-1950, (R. Golbach leg.), IFML; Salta, Orán, Abra Grande, 1 ♂ and 1 ♀, 10-Ia, 1-III-1967, (R. Golbach leg.), IFML; Misiones, Iguazú, 4 ♂♂, 30-Ia, 13-III-1945, (K. Hayward, A. Willink and R. Golbach leg.), IFML.

*Illice triplaga* Hampson, 1905

Formosa, Departamento Pilcomayo-Ruta 11 Km 101, 3 ♂♂, XI-1947, (I. Morel leg.), IFML; Formosa, Departamento Pilcomayo, 1 ♂, XI-1947, (P. Fray-López leg.), IFML; Salta, Cerro San Bernardo, 1 ♂, I-1949, (M. Aczel leg.), IFML; Salta, San Lorenzo, 1 ♀, 30-I-1950 (A. Willink and P. Monros leg.), IFML.

*Callisthenia variegata* (Walker, 1864)

Misiones, Iguazú, 1 ♂ and 2 ♀♀, 30-Ia, 13-III-1945 (K. Hayward, A. Willink and R. Golbach), IFML.

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