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# A catalog of the type specimens of various families of Tenebrionoidea (Insecta: Coleoptera) housed at the “Museo de La Plata”, Argentina

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**Abstract:** This contribution brings information on the type specimens of Coleoptera Tenebrionoidea deposited at the entomological collection of the Museo de La Plata (MLP). They belong to 29 species or subspecies of the families Aderidae (1 sp.), Anthicidae (11 spp.), Mordellidae (1 sp.), Oedemeridae (1 sp.), Rhipiphoridae (2 spp., 1 subsp.) and Tenebrionidae of the subfamilies Alleculinae (3 spp.), Pimeliinae (5 spp., 2 subsp.) and Tenebrioninae (2 spp.). These types correspond to species described by the specialists C. Berg, C. Bruch, L. Fairmaire, M. Manfrini de Brewer, M. Pic, F.G. Werner and G. Flores. For each species we provide original and valid names, bibliographic reference, category of types, number assigned in the entomological collection of the MLP, sex (if it is indicated) and exact transcription of the labels. There is also additional information on specimens labeled as types but not having this status, because they were compared with types (19 species of Anthicidae, Ciidae, Mordellidae and Tenebrionidae Alleculinae) or corresponding to species seemingly not published.

**Keywords:** Museo de La Plata, Tenebrionoidea, Type material.

**Resumen:** En este trabajo se brinda información sobre los ejemplares tipo de Coleoptera, Tenebrionoidea depositados en la colección entomológica del Museo de La Plata (MLP). Ellos pertenecen a 29 especies o subespecies de las familias Aderidae (1sp.), Anthicidae (11 spp.), Mordellidae (1 sp.), Oedemeridae (1sp.), Rhipiphoridae (2 spp., 1subsp.) y Tenebrionidae de las subfamilias Alleculinae (3 spp.), Pimeliinae (5 spp., 2 subsp.) y Tenebrioninae (2 spp.). Estas especies fueron descriptas por los especialistas C. Berg, C. Bruch, L. Fairmaire, M. Manfrini de Brewer, M. Pic, F. G. Werner y G. Flores. Para cada una de ellas se provee su nombre original y su nombre válido, referencia bibliográfica, categoría de tipo, número asignado en la colección entomológica del MLP, sexo (si estuviera indicado) y transcripción exacta de los datos mencionados en las etiquetas. Se mencionan además los ejemplares etiquetados como tipos, pero que no revisten la categoría de tales, por ser ejemplares comparados con los tipos (19 especies de Anthicidae, Ciidae, Mordellidae y Tenebrionidae Alleculinae), o correspondientes a especies que no estarían descriptas.

**Palabras clave:** Material tipo, Museo de La Plata, Tenebrionoidea.

## INTRODUCTION

The superfamily Tenebrionoidea includes almost 34,000 species of polyphagous Coleoptera that feed on bark, flowers, fungi and vegetation in general (Slipinski et al., 2011), or which are associated with carcasses (Aballay et al., 2016). This taxon gathers several families, among them, Tenebrionidae, Meloidae and Anthicidae as the most specious. The type material of Meloidae deposited at the Museo de La Plata has been revised by Campos Soldini et al. (2009) and the types of Tenebrionidae and Perymilopidae, by Cabrera et al. (2010). In this opportunity, we study the type specimens corresponding to the species of Aderidae, Anthicidae, Ciidae, Mordellidae, Oedemeridae and Ripiphoridae, plus some types of Tenebrionidae not included in the catalog of Cabrera et al. (2010) because they were published after this date.

The types of species or subspecies herein treated were described by the specialists Carlos Berg, Carlos Bruch, Leon Fairmaire, Mireya Manfrini de Brewer, Maurice Pic, Floyd Gerald Werner, and Gustavo Flores. The American specialist F.G. Werner contributed with most types (five holotypes and 140 paratypes of nine species of Anthicidae). Berg's collection was originally housed by the National Museum [at present Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" (MACN)] and the University of Buenos Aires, but part of it is currently at the Museo de La Plata (MLP). Moreover, Berg's collection includes several types of species described by Fairmaire (1883).

In order to assist future research we bring additional information on specimens labeled as types but not having this status (*e.g.* they were collected after the publication of the description or collected in localities not mentioned in the descriptions) and specimens corresponding to species not found in the literature because they are names *in scheda* or they are *nomen nudum* (published without a description according to the International Code of Zoological Nomenclature, 1999).

## MATERIAL AND METHODS

We examined 290 specimens labeled as types and corresponding to 48 species. For each species we provide the original name and its bibliographic reference, the valid name (between brackets), the geographic distribution (country and provinces or states) of the types examined, the category of types, the sex of the specimens (if it is indicated), the code numbers assigned in the entomological collection of the MLP, the information on the labels, and the color of these labels. The slash after the MLP code indicates if the specimens are holotypes (/1), allotypes (/2), paratypes (/3 and higher numbers) or syntypes (/3 and higher numbers). There is an exact transcription of the labels, in a way that brackets separate different labels and slashes, different lines within each label.

The original and valid names of the species are based mainly on the information provided in the checklist of Blackwelder (1945) and further publications that include taxonomic/nomenclatural amendments.

According to the ICZN (1999), the specimens labeled as cotypes are either paratypes or syntypes. In this paper the decision about the status of the cotypes was based on additional information regarding the existence of holotypes. Similarly, we decide if a specimen labeled as “typus” is a holotype or a syntype, based on information regarding the number of specimens of the type series in the original description.

In this study, we compiled three separate lists: the first one for holotypes, allotypes, paratypes and syntypes; the second, for metatypes and homeotypes (= “*cum typus comparat*”); and the last one, for specimens labeled as types but which species descriptions were seemingly not published.

## RESULTS

### *ADERIDAE*

#### *1. Hylophilus vianai* Pic, 1938 [= *Aderus vianai* (Pic, 1938)]

1938. Pic. Revista Argentina de Entomología 1(3), 73.

**Type material:** from Argentina, Buenos Aires province.

Three paratypes, sex not determined. MLP 516/3-5. [Buenos Aires/ Isla Martín García/ I-1938, M. J. Viana] [*Aderus* / (*Hylophilus*)/ *vianai* (Pic)] [PARATIPO].

**Remarks:** The paratypes 516/3-4 are glued in different cards in the same pin, and 516/5 is placed in another pin. The holotype is probably deposited in Pic's collection at the Muséum National d'Histoire Naturelle, Paris. Paratype labels are white.

The name *Hylophilus* Berthod, 1827 (Coleoptera) is a junior synonym of *Hylophilus* Temminck, 1822 (Aves), consequently it is no valid (Bouchard et al., 2011).

### *ANTHICIDAE*

#### *2. Acanthinus bordonii* Werner, 1970

1970. Werner. Annals of the Entomological Society of America 63(1), 115-116.

**Type material:** from Panamá, Panamá province.

Paratype, sex not determined. MLP 953/3. [Panamá: Cerro Azul/ 9° N, 79° W-ca. 600 m/ 2 June 1963/ F. G. Werner] [from dead leaves on/ ground under cut/ trees, in area high/ in moisture] [Paratype/ *Acanthinus*/ *bordonii*/ Werner] [PARATYPE].

**Remarks:** Specimen glued on a card along with the abdominal ventrites; genitalia attached in a vial with glycerine; paratype label is blue.

The holotype is at the National Museum of Natural History, Washington DC, USA.

3. *Acanthinus paraguayensis* Werner, 1967

1967. Werner. Annals of the Entomological Society of America 60(3), 543-544.

**Type material:** from Paraguay, Itapúa department.

Holotype female. MLP 958/1. [Paraguay/ Sa. Trinidad/ Vic. 1915] [Museo/ La Plata] [Holotype ♀ / *Acanthinus/ paraguayensis/* Werner] [HOLOTYPE].

**Remarks:** Specimen glued on a card along with the abdominal ventrites; genitalia attached in a vial with glycerine; the holotype label is red.

4. *Acanthinus pariana* Werner, 1967

1967. Werner. Annals of the Entomological Society of America 60(3), 546-547.

**Type material:** from Brazil, Pará state.

Paratype male. MLP 957/3. [Brasil: Est. Pará:/ Belém (Inst. Agron./ Norte) 6-19 Apr. 1963/ F. G. Werner] [blaten:/ *Pariana/* grass] [PARATYPE ♂ / *Acanthinus/ pariana/* Werner] [PARATYPE] [*Acanthinus/ pariana/* Werner/ det. F. Werner].

Paratype female. MLP 957/4. Same data as MLP 957/3.

**Remarks:** Specimens glued on cards; paratype labels are blue. The holotype was deposited in the National Museum of Natural History, Washington D.C., USA; other paratypes are at the Museu Emilio Goeldi, Belén, Brazil. In the original publication the two paratypes at the MLP are not mentioned. These paratypes were sent by Werner to the Museo de La Plata after the description of the species.

5. *Anthicus frugalis* Werner, 1966

1966. Werner. Annals of the Entomological Society of America 59(2), 365-366.

**Type material:** from Argentina, Buenos Aires province.

Holotype male. MLP 523/1. [BUENOS AIRES/ Tigre/ 1938 M. J. Viana] [HOLOTYPE] [HOLOTYPE/ *Anthicus/ frugalis* ♂ / Werner] [*Anthicus/ frugalis/* Werner/ det. F. Werner].

**Remarks:** Specimen glued on card, dissected; abdominal ventrites mounted in the same card as specimen; genitalia in vial with glycerine; holotype label is red.

6. *Anthicus parvus* Pic, 1910

1910. Pic. Revista del Museo de La Plata XVII (serie 2, tomo IV), 109-110.

**Type material:** from Argentina, Buenos Aires province.

Syntype, sex not determined. MLP 524/3. [ARGENTINA/ Buenos Aires/ C. Bruch] [Cotypus] [*Anthicus/ parvus/* Pic].

**Remarks:** Specimen glued on card, labeled as cotype by Pic, and herein considered as syntype. In the original publication the author stated that one specimen is in Bruch collection, and the other, in his collection, currently at the Museum National d'Histoire Naturelle, Paris. The original type label is white. We added a red syntype label.

7. *Anthicus platensis* Werner, 1966

1966. Werner. Annals of the Entomological Society of America 59(2), 366-367.

**Type material:** from Argentina, Buenos Aires province.

Holotype male. MLP 525/1. [BUENOS AIRES ARGENTINA/ Tigre/ 1938 Viana] [HOLOTYPE] [HOLOTYPE/ *Anthicus/ platensis* ♂ / Werner] [*Anthicus/ platensis/* Werner/ det. F. Werner 64].

Three paratypes males. MLP 525/3-5. [BUENOS AIRES ARGENTINA/ Tigre/ 1938 Viana] [PARATYPE] [PARATYPE / *Anthicus/ platensis* ♂ / Werner].

Four paratypes females. MLP 525/6-9. [BUENOS AIRES ARGENTINA/ Tigre/ 1938 Viana] [PARATYPE] [PARATYPE/ *Anthicus/ platensis* ♀ / Werner].

**Remarks:** All specimens glued on cards. Holotype and paratype males dissected, with abdominal ventrites mounted in the same cards as specimens, and genitalia in vials with glycerine. Holotype label is red and paratype labels are blue.

8. *Anthicus torquatus* Werner, 1966

1966. Werner. Annals of the Entomological Society of America 59(2), 367-368.

**Type material:** from Argentina, Buenos Aires province.

Holotype male. MLP 526/1. [BUENOS AIRES ARGENTINA/ Tigre/ 1938 Viana] [HOLOTYPE] [HOLOTYPE/ *Anthicus/ torquatus* ♂ / Werner] [*Anthicus/ torquatus/* Werner/ det. F. Werner].

Paratype female. MLP 526/3. [BUENOS AIRES ARGENTINA/ Tigre/ 1938 Viana] [PARATYPE] [PARATYPE/ *Anthicus/ torquatus* ♀ / Werner].

Paratype female. MLP 526/4. [BUENOS AIRES ARGENTINA/ ISLA MARTÍN GARCÍA/ 4-1938 Viana] [PARATYPE] [PARATYPE/ *Anthicus/ torquatus* ♀ / Werner].



Paratype female. MLP 526/5. [BUENOS AIRES ARGENTINA/ ISLA MARTÍN GARCÍA/ 6-1936 Viana] [PARATYPE] [PARATYPE/ *Anthicus/ torquatus* ♀ / Werner].

Paratype female. MLP 526/6. [BUENOS AIRES ARGENTINA/ ISLA MARTÍN GARCÍA/ 5-1935 Viana] [PARATYPE] [PARATYPE/ *Anthicus/ torquatus* ♀ / Werner].

Paratype female. MLP 526/7. [Rep. Argentina/ Prov. Buenos Aires/ H. Richter/ 19] [PARATYPE] [PARATYPE/ *Anthicus/ torquatus* ♀ / Werner]

Paratype male. MLP 526/8. [La Plata] [PARATYPE] [PARATYPE/ *Anthicus/ torquatus* ♂ / Werner].

Two paratypes females. MLP 526/9-10. [La Plata] [PARATYPE] [PARATYPE/ *Anthicus/ torquatus* ♀ / Werner]. The two specimens in the same pin.

Paratype male. MLP 526/11. [Bs. Aires/ 21-IV-17] [PARATYPE/ *Anthicus/ torquatus* ♂ / Werner] [*Anthicus/ torquatus* Werner/ spm. fig. by/ S. omani June 1965]. Specimen without head.

Paratype male. MLP 526/12. [Prov. de/ BUENOS AIRES/ J. Bosq col.] [PARATYPE] blue card [PARATYPE/ *Anthicus* ♂ / *torquatus*/ Werner].

Two paratypes females. MLP 525/13-14. [Prov. de/ BUENOS AIRES/ J. Bosq col.] [PARATYPE] [PARATYPE/ *Anthicus* ♀ / *torquatus*/ Werner].

**Remarks:** All specimens glued on cards. Paratypes 526/11 and 526/12, dissected, abdominal ventrites mounted in the same cards as specimens, genitalia in vials with glycerine. Holotype label is red and paratype labels are blue.

#### 9. *Formicilla garciai* Pic, 1938

1938. Pic. Revista Argentina de Entomología 1(3), 73.

**Type material:** from Argentina, Buenos Aires province.

Eight paratypes, sex not determined. MLP 519/3-10. [Buenos Aires Argentina/ Isla Martín García/ IV-1937, M. J. Viana] [*Formicilla garciai* Pic] [PARATIPO].

**Remarks:** The paratypes 519/3-5 are glued in different cards in the same pin, and 519/6-10 are placed in another pin. The holotype is deposited in Pic's collection at the Muséum National d'Histoire Naturelle, Paris. Paratype labels are white.

#### 10. *Ischyropalpus eryngii* Werner, 1965

1965. Werner. Psyche 72(3), 200-201.

**Type material:** from Uruguay, Maldonado and Minas.

Holotype male. MLP 527/1. [Maldonado/ (Cerro Pelado)/ 25/XII/12] [HOLOTYPE ♂ / *Ischyropalpus/ eryngii*/ Werner] [HOLOTYPE] [*Ischyropalpus/ eryngii*/ Werner/ det. F. Werner].

Paratype male. MLP 527/3. [Maldonado/ (Pan de Azúcar)/ 15/XII/12] [PARATYPE ♂ / *Ischyropalpus/ eryngii/* Werner] [PARATYPE].

Paratype male. MLP 527/4. [Maldonado/ (Cerro Pelado)/ 25/XII/12] [PARATYPE ♂ / *Ischyropalpus/ eryngii/* Werner] [PARATYPE].

Nine paratypes males. MLP 527/5-7, MLP 527/10-15. [Maldonado/ (Cerro Pelado)/ 25/XII/12] [PARATYPE ♂ / *Ischyropalpus/ eryngii/* Werner] [PARATYPE]. Specimens 527/5-7 and 527/10-15 in the same pin, respectively.

Two paratypes females. MLP 527/8-9. [Maldonado/ (Cerro Pelado)/ 25/XII/12] [PARATYPE ♀ / *Ischyropalpus/ eryngii/* Werner]. The two specimens in the same pin.

Four paratypes females. MLP 527/16-18, MLP 527/24, MLP 527/27. [Minas/ Arr° Espinillo/ 9-XII-12] [PARATYPE ♀ / *Ischyropalpus/ eryngii/* Werner].

Seven paratypes males. MLP 527/19-23, MLP/25-26. [Minas/ Arr° Espinillo/ 10-XII-12] [PARATYPE ♂ / *Ischyropalpus/ eryngii/* Werner] [PARATYPE].

**Remarks:** According to the original publication all the specimens were collected by J. Tremoleras on *Eryngium*. They are glued on cards. Paratype MLP 527/4 is dissected, with the abdominal ventrites mounted in the same card as the specimen, and genitalia in a vial with glycerine. Holotype label is red and paratype labels are blue.

### 11. *Ischyropalpus puteifer* Werner, 1965

1965. Werner. Psyche 72(3), 206-208.

**Type material:** from Argentina, Santiago del Estero province.

Paratype female. MLP 528/3. [Campo/del cielo/ I-1934] [*Anthicus/* sp. Bruch det. 1934] [PARATYPE ♀ / *Ischyropalpus/ puteifer/* Werner] [*Ischyropalpus/ puteifer/* Werner] [PARATYPE].

**Remarks:** The holotype and some paratypes were deposited at the Fundación e Instituto Miguel Lillo, Tucumán, Argentina, and other paratypes are at the Field Museum of Natural History, Chicago, USA. They come from Chaco and Formosa provinces (Argentina) and from Mato Grosso (Brazil). The paratype label is blue.

### 12. *Vacusus vulgaris* Werner, 1961

1961. Werner. Annals of the Entomological Society of America 54(6), 805.

**Type material:** from Argentina (Buenos Aires, Córdoba, Chaco, Entre Ríos, Jujuy, Misiones, Salta, Santa Fe and Tucumán provinces) and Uruguay (Colonia, Cerro Largo and Montevideo departments).



Thirteen paratypes, sex not determined. MPL 529/3-15. [Cerro Largo/ Fraile Muerto/ 31-I-1934] [Montoro/ Guarechleg.] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MPL 529/16. [Montevideo/ 24-XII-06] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MPL 529/17. [Montevideo/ 25-I-09/ (á la lámpara)] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MPL 529/18. [Montevideo/ 21-III-1918/ a la luz] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MPL 529/19. [Rep. Uruguay/ Richter] [Colonia] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Four paratypes, sex not determined. MPL 529/20-23. [Rep. Argentina/ prov. Mendoza/ H. Richter] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Nine paratypes, sex not determined. MPL 529/24-32. [Rep. Argentina/ prov. Santa Fe/ H. Richter] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Five paratypes, sex not determined. MLP 529/33-37. [Rep. Argentina/ prov. Buenos Aires/ H. Richter] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Two paratypes, sex not determined. MPL 529/38-39. [Rep. Argentina/ prov. Buenos Aires/ 10-III-1912/ C. Bruch] [*Anthicus/ vicinus/* LaFerté] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner]. Specimens in the same pin.

Paratype, sex not determined. MPL 529/40. [Rep. Argentina/ prov. Buenos Aires/ C. Bruch] [*Anthicus/ vicinus/* LaFerté)] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Two paratypes, sex not determined. MPL 529/41-42. [Rep. Argentina/ prov. Buenos Aires/ 20-I-1907/ C. Bruch] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner]. Specimens in the same pin.

Two paratypes, sex not determined. MPL 529/43-44. [Rep. Argentina/ prov. Buenos Aires/ 23-XII-1907/ C. Bruch] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner]. Specimens in the same pin.

Paratype, sex not determined. MPL 529/45. [Rep. Argentina/ prov. Buenos Aires/ 10-III-1893/ C. Bruch] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Two paratypes, sex not determined. MPL 529/46-47. [Rep. Argentina/ prov. Buenos Aires/ 23-XII-1907/ C. Bruch] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner]. Specimens in the same pin.

Paratype, sex not determined. MPL 529/48. [Rep. Argentina/ La Plata/ col. C. Bruch] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MPL 529/49. [Rep. Argentina/ prov. Chaco/ H. Richter] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Five paratypes, sex not determined. MLP 529/50-54. [Rep. Argentina/ prov. Jujuy/ H. Richter] [Purmamarca] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MLP 529/55. [Rep. Argentina/ prov. Salta/ H. Richter] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MLP 529/56. [Rep. Argentina/ prov. Misiones/ H. Richter] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MLP 529/57. [Rep. Argentina/ Prov. Santa Fe/ C. Bruch] [Chaco] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MLP 529/58. [Tucumán] [*Anthicus/ vicinus/* LaFerté] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MLP 529/59. [Buenos Aires/ Flores/ 11-XII-1918, in the reverse Bosq a la luz] [*Anthicus/ vicinus/* LaFerté, in the reverse Bruch det] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MLP 529/60. [Buenos Aires Argentina/ Isla Martín García/ 5-1935 M.J. Viana] [*Anthicus/ vicinus* LaFerté/ M. Viana determ.] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Three paratypes, sex not determined. MLP 529/61-63. [Buenos Aires Argentina/ Isla Martín García/ 6-1936 M.J. Viana] [*Anthicus/ vicinus* LaFerté/ M. Viana determ.] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Seven paratypes, sex not determined. MLP 529/64-70. [Buenos Aires Argentina/ Isla Martín García/ 4-1937 M.J. Viana] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Three paratypes, sex not determined. MLP 529/71-73. [Buenos Aires Argentina/ Tigre/ 1938 M.J. Viana] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Eighteen paratypes, sex not determined. MLP 529/74-91. [Prov. de/ Buenos Aires/ J. Bosq col] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner]. Specimens 74-78, 80-83, 84-87 and 88-91 in the same pin, respectively.

Four paratypes, sex not determined. MLP 529/92-95. [Buenos Aires/ 3-II-17] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner]. Specimens in the same pin.

Paratype, sex not determined. MLP 529/96. [Chaco/ Argentina/ III-36 M.J. Viana] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MLP 529/97. [Chaco/ Charata/ X-1924] [PARATYPE]. [*Vacusus/ vulgaris/* det. F. Werner].

Two paratypes, sex not determined. MLP 529/98-99. [Córdoba Argentina/ Dep. de Calamuchita/ "El Sauce" XII-1938/ Manuel J. Viana] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Paratype, sex not determined. MLP 529/100. [Entre Ríos/ La Paz/ II-90] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner].

Four paratypes, sex not determined. MLP 529/101-104. [Santa/ Fe] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner]. Specimens in the same pin.

Six paratypes, sex not determined. MLP 529/105-110. [Campo del Cielo/ I-1934] [PARATYPE] [*Vacusus/ vulgaris/* det. F. Werner]. Specimens 107-108 and 109 to 112 in the same pin.

**Remarks:** Specimens glued on cards; paratype labels are blue. The type series is composed by the holotype and the allotype from Misiones, Argentina, and 397 paratypes from other Argentinean provinces, Bolivia and Brazil. The holotype, allotype and some paratypes are deposited at the collection of the Fundación e Instituto Miguel Lillo, Tucumán, Argentina; 97 paratypes are at the MLP, and other paratypes are at Museum of Comparative Zoology, Harvard University, USA; Natural History Museum, London, England; Museum G. Frey, Germany; California Academy of Sciences, San Francisco, USA, and the author's collection.

Some paratypes herein studied were misidentified by C. Bruch as *Anthicus vicinus* La Ferté, previous to the description of the species by Werner.

### MORDELLIDAE

#### 13. *Mordella sororcula* Berg, 1889

1889. Berg. Anales de la Universidad de Buenos Aires VI, 124-125.

**Type material:** from Argentina, Chaco province.

Syntype, sex not determined. MLP 537/3. [Typus] [Chaco 1881/ Dr. Spreg.] [*Mordella/ sororcula/* 1889 Berg].

**Remarks:** Specimen glued on a card; type label white, with red frame. According to the original publication the type series comes from Argentina, Buenos Aires to Great Chaco. The author did not specify the number of specimens of the type series, however, the vast geographic distribution of the species makes us to conclude that the description was based on more than one specimen. Consequently, the type deposited at the MLP was considered a syntype and was labeled as such by the authors of this paper.

### OEDEMERIDAE

#### 14. *Ananca frontalis* Fairmaire, 1883

1883. Fairmaire. Annales de la Société entomologique de France 6(3), 516.

**Type material:** from Argentina, Mendoza province.

Holotype, sex not determined. MLP 630/1. [TYPE] [Men-/ doza] [*Ananca/ frontalis/* Fairm.].

**Remarks:** Specimen pinned; type label white with red frame. Fairmaire (1883) described this species based on a single specimen. Consequently, this specimen is the holotype, and it was labeled as such by the authors of this paper.

*RHIPIPHORIDAE*

*15. Macrosiagon vittatum lateluteum* Pic, 1939

1939a. Pic. Revista de la Sociedad Entomológica Argentina 10(2), 250.

**Type material:** from Argentina, La Rioja province.

Paratype, sex not determined. MLP 542/3. [Argentina/ La Rioja/ 1-1936 M.J. Viana] [*Macrosiagon/ vittatum/ lateluteum/* paratype].

Paratype, sex not determined. MLP 542/4. [Argentina/ La Rioja/ 1-1936 M.J. Viana] [*Macrosiagon/ vittatum/ lateluteum*] [PARATYPE].

**Remarks:** Specimens glued on cards; paratype labels are white. The holotype is in Pic's collection at the Muséum National d'Histoire Naturelle, Paris; the paratypes were deposited at Viana's collection, currently at the MLP.

*16. Rhipiphorus birabeni* Bruch, 1942

1942. Bruch. Notas del Museo de La Plata VII, Zoología 57, 140-143.

**Type material:** from Argentina, Buenos Aires and Entre Ríos provinces.

Holotype male. MLP 543/1. [Concordia/ Entre Ríos/ 1942 Dr. Birabén] [TYPUS] [*Rhipiphorus/ birabeni* ♂ / 1942 Bruch/ C. Bruch determ.].

Paratype female. MLP 543/3. [Tigre F.C.C.A./ 1942 Bs. Aires/ Dr. A. Ogloblin] [FOTO TYPUS] [*Rhipiphorus/ birabeni* ♀ / 1942 Bruch/ C. Bruch determ.].

**Remarks:** Specimens glued on cards; type labels are red. In the original description it is indicated that the two specimens studied for the description of this species, holotype (labeled as typus by the author) and fototype, were deposited at the MLP collection. We interpret that the specimen labeled as type is the holotype, and the fototype is a paratype of sex opposite to the holotype. Both specimens were labeled as such by the authors of this paper.

*17. Trigonodera quadrilineata* Manfrini de Brewer, 1963

1963. Manfrini de Brewer. Opera Lilloana XI, 96-99.

**Type material:** from Argentina, Chaco province.

Paratype, male. MLP 1858/3. [Gancedo, Chaco/ 8-XII-1939/ Birabén-Bezzi col.] [PARATYPE] [*Trigonodera/ quadrilineata/* Brewer/ Det. Mireya Brewer].

**Remarks:** Specimen pinned; paratype label is white. The holotype male (from Formosa) and four paratypes (from Formosa and Salta) were deposited at the Fundación e Instituto Miguel Lillo, Tucumán; the allotype female (from Misiones) was in the private collection of Antonio Martinez, currently incorporated to the Canadian Museum of Nature,

Ottawa, Canada. Another paratypes (from Chaco) are at the Museo Argentino de Ciencias Naturales, "Bernardino Rivadavia", Buenos Aires.

## TENEBRIONIDAE

### Alleculinae

#### 18. *Allecula cribricollis* Fairmaire, 1883

1883. Fairmaire. Annales de la Société entomologique de France 6(3), 514-515.

**Type material:** from Uruguay, Montevideo.

Holotype, sex not determined. MLP 636/1. [Typus] [Montevideo/ Arechav. det] [foto Bruch] [*Allecula/ cribricollis* / Fairm.].

**Remarks:** Specimen pinned; type label white, with red frame. Fairmaire (1883) described this species based on a single specimen. Consequently, this specimen is the holotype. It was labeled as such by the authors of this paper. Other two specimens, also from Uruguay, are labeled as homotypes "*cum typus comparat*".

#### 19. *Allecula foveipennis* Fairmaire, 1883

1883. Fairmaire. Annales de la Société entomologique de France 6(3), 514.

**Type material:** from Uruguay, Montevideo

Holotype, sex not determined. MLP 637/1. [Typus]. [Montevideo/ Arechav. det] [foto Bruch] [*Allecula/ foveipennis*/ Fairm.].

**Remarks:** Specimen pinned; type label white, with red frame. Another specimen from the MLP labeled as "*cum typus comparat*". Fairmaire (1883) described this species based on a single specimen. Consequently, we consider this specimen as the holotype. It was labeled as such by the authors of this paper.

#### 20. *Allecula sertatipennis* Berg, 1889

1889. Berg. Anales de la Universidad de Buenos Aires VI, 125-126.

**Type material:** from Argentina, Chaco province.

Syntype, sex not determined. MLP 638/3. [Typus]. [Cha/co] [Chilcas] [foto Bruch] [*Allecula/ sertatipennis*/ 1889 Berg].

**Remarks:** Specimen pinned; type label white, with red frame. The species was described based on two specimens collected by J. Ambrosetti. We were unable to find the second specimen in another museum. It is not in the MACN (Bachmann & Flores, 2008).

*Pimeliinae*

21. *Achanius (Ambigatus) antofagastensis* Flores and Aballay, 2015

2015. Flores & Aballay. The Coleopterists Bulletin 69 (4), 174-177.

**Type material:** from Argentina, Catamarca province.

Paratype, sex not determined. MLP 5738/3 [Argentina: Catamarca/ (Dto.) Antofagasta de la Sierra, 8 km / NE Antofagasta de la Sierra / cerdo al sol M-11 P-3, 3578 m/ 26° 01' 32.3" S, 67° 20' 36.5" W/ 27-XI-2009 coll. F. Aballay] [PARATYPUS] [*Achanius (Ambigatus) antofagastensis* sp. n./ Det. G. Flores and/ F. Aballay 2015].

**Remarks:** Specimen glued on card. Paratype label is red. The holotype, allotype and some paratypes (all from Catamarca) are deposited in the Instituto Argentino de Investigaciones de las Zonas Áridas, Mendoza, Argentina, and other paratypes are at Fundación e Instituto Miguel Lillo, San Miguel de Tucumán, Argentina; Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina; Field Museum of Natural History, Chicago, USA, and Natural History Museum, Basel, Switzerland.

22. *Eutelocera cadaverina* Flores and Zanetti, 2016

2016. Aballay, Flores, Silvestro, Zanetti & Centeno. Annales Zoologici 66(4), 712-713.

**Type material:** from Argentina, Buenos Aires province.

Paratype male, MLP 5739/3 [Argentina, Buenos Aires/ Dto. Bahia Blanca, Bahia Blanca/ Altos del Palihue, on pig carcass/ 38° 41' 41" S, 62° 15' 10" W, 70 m/ 1.III.2011, coll: N. Zanetti] [PARATYPUS] [*Eutelocera cadaverina* sp. n./ Det. G. Flores and/ N. Zanetti 2016].

Paratype male, MLP 5739/4 [Argentina, Buenos Aires/ Dto. Bahia Blanca, Bahia Blanca/ Altos del Palihue, on pig carcass/ 38° 41' 41" S, 62° 15' 10" W, 70 m/ 10.XII.2010, coll: N. Zanetti] [PARATYPUS] [*Eutelocera cadaverina* sp. n./ Det. G. Flores and/ N. Zanetti 2016].

**Remarks:** Specimens glued on card. Paratype labels are red. The holotype, allotype and some paratypes (all from Buenos Aires) are deposited in the Instituto Argentino de Investigaciones de las Zonas Áridas, Mendoza, Argentina, and other paratypes are at Fundación e Instituto Miguel Lillo, San Miguel de Tucumán, Argentina; Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina; Field Museum of Natural History, Chicago, USA, and Natural History Museum, Basel, Switzerland.

23. *Nyctelia recteplicata* Flores and Cheli, 2014

2014. Flores & Cheli. Zootaxa 3765(3), 283-285.

**Type material:** from Argentina, Chubut province.



Paratype, male. MLP 5740/3 [Argentina: Chubut, (Dto.) Telsen/ Cañada La Leona, 19 km N/ Gan Gan, 1071 m/ 42° 15' 15.12" S/ 68° 15' 29.12" W/ 20-XI-2006, Coll: G. Cheli] [PARATYPUS] [*Nyctelia recteplicata* n. sp./ Det. G. Flores &/ G. Cheli 2013].

**Remarks:** Specimen pinned; paratype label is red. The holotype and allotype (from Chubut) and some paratypes (from Chubut, Neuquén and Río Negro) are deposited in the Instituto Argentino de Investigaciones de las Zonas Áridas, Mendoza, Argentina, Fundación e Instituto Miguel Lillo, San Miguel de Tucumán, Argentina, Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina, and Field Museum of Natural History, Chicago, USA.

#### 24. *Nyctelia sulcogranata* Flores and Cheli, 2014

2014. Flores & Cheli. Zootaxa 3765 (3), 280-283.

**Type material:** from Argentina, Chubut province.

Two paratypes, sex not determined. MLP 5741/3-4 [Argentina: Chubut/ (Dto.) Gaiman, Dique Ameghino/ 43.690444° S, 66.444278° W/ 69 m, 24-IX-2012/ Coll: G. y L. Cheli] [PARATYPUS] [*Nyctelia sulcogranata* n. sp./ Det. G. Flores &/ G. Cheli 2013].

**Remarks:** Specimens pinned; paratype labels are red. The holotype, allotype and some paratypes (from Chubut) are deposited in the Instituto Argentino de Investigaciones de las Zonas Áridas, Mendoza, Argentina, and other paratypes are at Fundación e Instituto Miguel Lillo, San Miguel de Tucumán, Argentina; Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina, and Field Museum of Natural History, Chicago, USA.

#### 25. *Praocis sellata granulipennis* Flores and Carrara, 2011

2011. Flores, Carrara & Cheli. Zootaxa 2965, 43.

**Type material:** from Argentina, Chubut province.

Paratype, sex not determined. MLP 5357/3. [ARGENTINA: Chubut peninsula/ de Valdes 14 Km E Punta Buenos/ Aires 42° 13' 32" S; 64° 13' 45.2" W/ 7m 08-I-2010 Col. G. Flores,/ G. Cheli, R Carrara] [PARATYPUS] [*Praocis (Hemipraocis) sellata granulipennis* ssp. nov. / Det. G. Flores and/ R. Carrara 2011]

**Remarks:** Specimen pinned; paratype label is red. The holotype, allotype and some paratypes (from Chubut) are deposited in the Instituto Argentino de Investigaciones de las Zonas Áridas, Mendoza, Argentina, and other paratypes are at Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina; Field Museum of Natural History, Chicago, USA, and Natural History Museum, Basel, Switzerland.

26. *Praocis sellata peninsularis* Flores and Carrara, 2011

2011. Flores, Carrara & Cheli. Zootaxa 2965, 42.

**Type material:** from Argentina, Chubut province.

Paratype, sex not determined. MLP 5400/3. [ARGENTINA: Chubut/ Puerto Piramides Peninsula/ de Valdes Puerto Piramides/ 09-III-1940 Coll. R. Maldonado] [PARATYPUS] [*Praocis (Hemipraocis)/ sellata peninsularis* ssp. nov. / Det. G. Flores and/ R. Carrara 2011]

**Remarks:** Specimen pinned; paratype label is red. The holotype, allotype and some paratypes (from Chubut) are deposited in the Instituto Argentino de Investigaciones de las Zonas Áridas, Mendoza, Argentina, and other paratypes are at Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina; Field Museum of Natural History, Chicago, USA, and Natural History Museum, Basel, Switzerland.

27. *Praocis (Praocis) bicentenario* Flores and Pizarro-Araya, 2012

2012. Flores & Pizarro-Araya. Zootaxa 3336, 16-17.

**Type material:** from Chile, Coquimbo region (Elqui and Choapa provinces).

Two paratypes, sex not determined: MLP 5742/3-4 [CHILE: Region Coquimbo/ Prov. Choapa Quereo/ 31° 55' 35.2"S, 71° 30' 44.2"W/ 17 m 25-X-2009/ coll: J. Pizarro] [PARATYPUS] [*Praocis (Praocis)/ bicentenario* n. sp. / Det. G. Flores &/ J. Pizarro-A. 2011].

**Remarks:** Specimens pinned; paratype labels are red. The holotype, allotype and some paratypes (from Coquimbo region) are deposited in the Museo Nacional de Historia Natural, Santiago, Chile, and other paratypes are at Universidad de Concepción, Concepción, Chile; Laboratorio de Entomología Ecológica, Universidad de La Serena, Chile; Instituto Argentino de Investigaciones de las Zonas Áridas, Mendoza, Argentina; Field Museum of Natural History, Chicago, USA, and Natural History Museum, Basel, Switzerland.

*Tenebrioninae*

28. *Emmallodera rugosa* Silvestro and Flores, 2012

2012. Silvestro & Flores. Zootaxa 3405, 65-66.

**Type material:** from Argentina, Neuquén.

Paratype, sex not determined. MLP 5743/3 [22-XI-1955/ Neuquén capital/ leg. A. Giai] [PARATYPUS] [*Emmallodera/ rugosa* sp. nov./ Det. V. Silvestro and/ G. Flores 2012].

Paratype, sex not determined. MLP 5743/4 [X-1955/ Zapala/ Prov. Neuquén/ leg. A. Giai] [PARATYPUS] [*Emmallodera/ rugosa* sp. nov./ Det. V. Silvestro and/ G. Flores 2012].

**Remarks:** Specimens pinned; paratype label is red. The holotype and allotype (from Neuquén), and other paratypes (from Chubut, Neuquén and Río Negro) were deposited in the Instituto Argentino de Investigaciones de las Zonas Áridas, Mendoza, Argentina; Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina; Field Museum of Natural History, Chicago, USA, and Natural History Museum, Basel, Switzerland.

29. *Emmallodera telteca* Silvestro and Flores, 2012

2012. Silvestro & Flores. Zootaxa 3405, 66-68.

**Type material:** from Argentina, Mendoza province.

Four paratypes, one male, one female and two with sex not determined. MLP 5744/3-6 [Argentina. Mendoza/ Reserva Telteca 32° 22' 59.58"S/ 68° 03' 14.16"W 548 m/ 13-IV-2008, Col. L. Muñoz ] [PARATYPUS] [*Emmallodera*/ *telteca* sp. nov./ Det. V. Silvestro and G. Flores 2012].

**Remarks:** Specimens pinned; paratype labels are red. The holotype and allotype (from Mendoza) and most paratypes are deposited in the Instituto Argentino de Investigaciones de las Zonas Áridas, Mendoza, Argentina, and other paratypes (from San Juan, San Luis and Mendoza) are at Fundación e Instituto Miguel Lillo, San Miguel de Tucumán, Argentina; Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina; Field Museum of Natural History, Chicago, USA, and Natural History Museum, Basel, Switzerland.

*SPECIMENS LABELLED AS TYPES BUT NOT INCLUDED IN THE ORIGINAL SERIES*

We provide information on specimens labeled as metatypes or as homotypes (= "*cum typus comparat*"). Most of them have been collected by Manuel Viana after the publication of the species, and compared with types by him or by the author, Maurice Pic.

*Anthicidae*

1. *Formicilla bruchi* Pic, 1904

1904. Pic. Revista del Museo de La Plata XI, 329.

**Remarks:** The original publication indicates that the type is from Argentina, Buenos Aires, Bruch col. and was deposited at the Museo de La Plata. This type is probably at the Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" (MACN), which currently holds great part of Bruch's collection. The specimen deposited at the MLP is labeled as metatype and has the following data: Buenos Aires, Tigre, 1938, Viana col.

2. *Formicilla longicornis* Pic, 1909

1909. Pic. L'échange 25, 108-109.

**Remarks:** The original publication indicates that the type is from Brazil, Cuyaba, Pic collection. The specimen at the MLP is labeled as metatype and has the following data: Argentina, Buenos Aires, Isla Martín García, 1936-1937, Viana col.

3. *Formicilla strangulata* Pic, 1895

1895. Pic. L'échange 11, 19.

**Remarks:** The type comes from Chile, however, Werner (1974) remarked that this species is introduced and probably not established in this country. *Formicilla strangulata* (= *Acanthinus strangulates*) is currently distributed in northern Argentina and Uruguay. The specimens at the MLP are labeled as metatypes and have the following data: Argentina, Buenos Aires, Isla Martín García, V-1935 (four specimens) and VI-1936 (nine specimens), Viana col.

Ciidae

4. *Ennearthron argentinum* Pic, 1916

1916. Pic. Mélanges Exotico-Entomologiques 17, 19.

**Remarks:** The type is from Argentina, without locality information. The five specimens housed at the MLP are labeled as metatypes and have the following data: Argentina, Buenos Aires, Tigre, 1938, M.J. Viana col.

5. *Ennearthron lamellatum* Pic, 1939 [*Ceracis cucullatus* Mellié, 1848]

1939b. Pic. Mélanges Exotico-Entomologiques 71, 8.

**Remarks:** The type is from Brazil. The 18 specimens at the MLP are labeled as metatypes and come from Brazil, Santa Catarina, Nova Teutonia, F. Plaumann coll. The synonymy of *E. lamellatum* and *C. cucullatus* was established by Lawrence (1967).

6. *Xylographus rufipes* Pic, 1930

1930a. Pic. Bulletin de la Société zoologique de France 55, 175.

**Remarks:** The type is from Argentina, Tucumán. The two specimens at the MLP are labeled as metatypes and have the following data: Argentina, Buenos Aires, Tigre, I-1938, M.J. Viana col.

*Mordellidae*

7. *Mordella malleri* Pic, 1936

1936. Pic. Mélanges Exotico-Entomologiques 67, 3.

**Remarks:** The types are from Brazil. The two specimens at the MLP are labeled as metatypes and have the following data: Argentina, Buenos Aires, Tigre, I-1938, M.J. Viana col.

8. *Mordellistena luteolineata* Pic, 1929

1929. Pic. Mélanges Exotico-Entomologiques 54, 24.

**Remarks:** The type is from the French Guiane. The two specimens at the MLP are labeled as metatypes and have the following data: Argentina, Buenos Aires, Isla Martín García, I-1938, M.J. Viana col.

9. *Mordellistena santiagona* Pic, 1929.

1929. Pic. Mélanges Exotico-Entomologiques 54, 24.

**Remarks:** The type is from Argentina, Santiago del Estero province. The four specimens at the MLP are labeled as metatypes and have the following data: Argentina, Buenos Aires, Tigre, VI-1938, M.J. Viana col.

10. *Mordellistena santiagona esterosa* Pic, 1929

1929. Pic. Mélanges Exotico-Entomologiques 54, 24.

**Remarks:** The type is from Argentina, Santiago del Estero province. The four specimens at the MLP are labeled as metatypes and have the following data: Argentina, Buenos Aires, Isla Martín García, I-1938, M.J. Viana col.

11. *Pelecomoides griseovittata* Pic, 1926 [= *Elytroxystrotus griseovittatus* (Pic, 1926)]

1926. Pic. Mélanges Exotico-Entomologiques 46, 16-17.

**Remarks:** Pic (1926) indicated that the type material of this species is from Argentina, without other locality information. Manfrini de Brewer (1963) created the genus *Elytroxystrotus*, established the new combination *Elytroxystrotus griseovittatus* and redescribed the species. Two specimens studied by this author in 1963, coming from Santiago del Estero, Río Salado, Wagner col., are deposited at the MLP, labeled as holotype male and allotype female. However, there is no evidence that these materials belong to the type series. As a matter of fact, Manfrini de Brewer (1963) did not mention these types in her publication.

*Oedemeridae*

12. *Copodita marmorata* Pic, 1927

1927a. Pic. Mélanges Exotico-Entomologiques 48, 19.

**Remarks:** According to the original publication the type material comes from Argentina (without locality information) and was collected by Bruch. The two specimens deposited at the MLP are labeled as metatypes, come from Argentina, Córdoba, and were collected in II-1939 by M.J. Viana. The data of collection is posterior to that of the description of the species. The holotype of this species is probably at the Muséum National d'Histoire Naturelle, Paris.

13. *Oxaxis unimaculata* Pic, 1927

1927b. Pic. L'échange 43(427), 4.

**Remarks:** According to the original publication the type material comes from Argentina (without locality information) and was collected by Bruch. The two specimens deposited at the MLP are labeled as metatypes, come from Argentina, Corrientes, and were collected in II-1936 by M. J. Viana, after the description of the species.

*Tenebrionidae- Alleculinae*

14. *Allecula simplex* Pic, 1924

1924. Pic. Mélanges Exotico-Entomologiques 42, 6.

**Remarks:** The type is from Brazil, without specific locality information. The specimen at the MLP is labeled as metatype and has the following data: Brazil, Santa Catarina, Nova Teutonia, F. Plaumann coll.

15. *Lobopoda aproximata santosensis* Pic, 1936

1936. Pic. Mélanges Exotico-Entomologiques 68, 22.

**Remarks:** The type material is from Brazil, without locality information. The two specimens at the MLP are labeled as metatypes and have the following data: Brazil, Santa Catarina, Nova Teutonia, F. Plaumann coll.

16. *Lobopoda intermedia* Pic, 1931

1931. Pic. Mélanges Exotico-Entomologiques 58, 23-24.

**Remarks:** The type material is from Brazil, without locality information. The two specimens at the MLP are labeled as metatypes and have the following data: Brazil, Santa Catarina, Nova Teutonia, F. Plaumann coll.



17. *Lobopoda paranana inspinosa* Pic, 1927

1927a. Pic. Mélanges Exotico-Entomologiques 48, 23.

**Remarks:** The type material of this subspecies is from Brazil, without locality information. The two specimens at the MLP are labeled as metatypes and have the following data: Brazil, Santa Catarina, Nova Teutonia, F. Plaumann coll.

18. *Lystronychus argentinus* Pic, 1921

1921. Pic. Mélanges Exotico-Entomologiques 34, 13-14.

**Remarks:** According to the original publication the species is from South America, without locality information. The two specimens at the MLP are labeled as metatypes and have the following information: Argentina, Córdoba, II-1939, Viana coll.

19. *Lystronychus ignaciosus* Pic, 1930

1930b. Pic. Mélanges Exotico-Entomologiques 55, 18.

**Remarks:** The type material is from Argentina, without locality information. The two specimens at the MLP are labeled as metatypes and have the following information: Brazil, Santa Catarina, Nova Teutonia, F. Plaumann col. There is one syntype from Argentina, Iguazú, X-1928, A. Breyer col., at the Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" (MACN), Buenos Aires (Bachmann & Flores, 2008).

*SPECIMENS LABELLED AS TYPES OF SPECIES NOT FOUND IN THE BIBLIOGRAPHY OR WITH UNAVAILABLE NAMES*

Four species names are "*in scheda*" and were probably not published, since we were not able to find them in the literature. Another name, *Xystropus femoratus*, was published but is unavailable because it was not accompanied by a description. According to Spiessberger et al. (2017) is a *nomen nudum*.

*Anthicidae*

*Acanthinus excavatipennis* Pic.

Eight metatypes from Argentina, Buenos Aires, Tigre, VI- 1938, M. J. Viana col.

*Mordellidae*

*Mordella patruelis* Berg.

Two syntypes from Uruguay, Montevideo. This species name is mentioned in <http://www.coleoptera-neotropical.org>, however, we did not find any description of it.

*Tenebrionidae- Alleculinae*

*Lystronychus bicoloripes* Pic.

Metatype from Brazil, Santa Catarina, Nova Teutonia, F. Plaumann col.

*Dasytoxystropus longipilis* Pic.

Two metatypes from Argentina, Córdoba, II-1939, M. J. Viana col.

*Xystropus femoratus* Klug.

Homotype (= "*cum typus comparat*") from Uruguay. This species was cited in a list of Alleculinae by Luederwaldt (1911) and in a paper referred to Coleoptera of forensic importance in Brazil, by Massutti de Almeida et al. (2015). According to Spiessberger et al. (2017) it is unavailable, because there is no published description of this species.

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## LITERATURE CITED

- Aballay, F.H., Flores, G.E., Silvestro, V.A., Zanetti, N.I., & Centeno, N.D. (2016) An illustrated key to, and diagnoses of the species of Tenebrionidae (Coleoptera) associated with decaying carcasses in Argentina. *Annales Zoologici*, **66**(4), 703-726.
- Bachmann, A.O., & Flores, G.E. (2008) A catalog of the types of Tenebrionidae *sensu lato* (Insecta, Coleoptera, Cucujiformia) deposited in the Museo Argentino de Ciencias Naturales. Bernardino Rivadavia. Buenos Aires. *Revista del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia"*, ns. **10**(1), 81-110.

- Berg, C. (1889) Quadraginta Coleoptera nova Argentina. *Anales de la Universidad de Buenos Aires*, VI, 105-157.
- Blackwelder, R.E. (1945) Checklist of the Coleopterous Insects of Mexico, Central America, the West Indies and South America. *Smithsonian Institution, United States National Museum Bulletin*, 185(3), 343-550.
- Bouchard, P., Bousquet, Y., Davies, A.E., Alonso-Zarazaga, M.A., Lawrence, J.F., Lyal, C.H.C., Newton, A.F., Reid, C.A.M., Schmitt, M., Slipinski, S.A., & Smith, A.B.T. (2011) Family-group names in Coleoptera (Insecta). *Zookeys*, 88, 1-972.
- Bruch, C. (1942) Misceláneas entomológicas X. *Notas del Museo de La Plata VII, Zoología*, 57, 129-151.
- Cabrera, N., Fernández, L.A., Flores, G.E., & Lattari, M. (2010) Catalog of the types of Tenebrionidae and Perimylopidae (Insecta, Coleoptera) deposited at Museo de La Plata (Argentina). *Transactions of the American Entomological Society*, 136(1-2), 107-123.
- Campos Soldini, M.P., Suárez, S.M., & Lanteri, A.A. (2009) Types of Meloidae (Coleoptera: Tenebrionoidea) housed at the Museo de La Plata (Argentina) entomological collection. *Revista de la Sociedad Entomológica Argentina*, 68(1-2), 1-9.
- Fairmaire, L. (1883) *Description de quelques coléoptères de la Patagonie et de la République Argentine. Annales de la Société entomologique de France*, 6(3), 507-516.
- Flores, G.E., & Aballay, F.H. (2015) Two Evaniosomini species (Coleoptera: Tenebrionidae) associated with decaying carcasses in Argentina, with remarks on tribal assignment of *Achanius* Erichson. *The Coleopterists Bulletin*, 69(4), 167-179.
- Flores, G.E., & Cheli, G.H. (2014) Two new species of Nyctelia Latreille (Coleoptera: Tenebrionidae) from Argentinean Patagonia with zoogeographical and ecological remarks. *Zootaxa*, 3765(3), 279-287.
- Flores, G.E., & Pizarro-Araya, J. (2012) Systematic revision of the South American genus *Praocis* Eschscholtz, 1829 (Coleoptera: Tenebrionidae). Part 1: Introduction and subgenus *Praocis* s. str. *Zootaxa*, 3336, 1-35.
- Flores, G.E., Carrara, R., & Cheli, G.H. (2011) Three new Praociini (Coleoptera: Tenebrionidae) from Peninsula Valdés (Argentina), with zoogeographical and ecological remarks. *Zootaxa*, 2965, 39-50.
- International Code of Zoological Nomenclature (ICZN)*. Fourth edition (1999) and the amendment on e-publication (2012). The code online.
- Lawrence, J.F. (1967) Delimitation of the genus *Ceracis* (Coleoptera: Ciidae) with a revision of North American species. *Bulletin of the Museum of Comparative Zoology*, 136, 91-144.
- Luederwaldt, G. (1911) Os insectos necrophagos paulistas. *Revista do Museu Paulista*, 8, 414-433.
- Manfrini de Brewer, M. (1963) Contribución al conocimiento de las Rhipiphoridae argentinas (Coleoptera). *Opera Lilloana*, XI, 5-99.
- Massutti de Almeida, L., Corrêa, R.S., & Grossi, P.C. (2015) Coleoptera species of forensic importance from Brazil: an updated list. *Revista Brasileira de Entomologia*, 59, 274-284.
- Pic, M. (1895) Examen des Anthicides de la colección Lethierry. *L'échange*, XI(122), 18-20.

- Pic, M. (1904) Anthicidae nouveaux de la République Argentine. *Revista del Museo de La Plata*, **XI**, 329-331
- Pic, M. (1909) Coléoptères exotiques nouveaux ou peu connus. *L'échange*, **XXV**(290), 108-110.
- Pic, M. (1910) Plusieurs nouveaux coléoptères de la République Argentine. *Revista del Museo de La Plata*, **XVII**(serie 2, tomo IV), 108-110.
- Pic, M. (1916) Notes et descriptions abrégées diverses. *Mélanges Exotico-Entomologiques*, **17**, 2-20.
- Pic, M. (1921). Nouveautés diverses. *Mélanges Exotico-Entomologiques*, **34**, 1-33.
- Pic, M. (1924) Nouveautés diverses. *Mélanges Exotico-Entomologiques*, **42**, 1-32.
- Pic, M. (1926) Nouveautés diverses. *Mélanges Exotico-Entomologiques*, **46**, 1-32.
- Pic, M. (1927a) Nouveautés diverses. *Mélanges Exotico-Entomologiques*, **48**, 1-32.
- Pic, M. (1927b) Coléoptères exotiques en partie nouveaux (suite). *L'échange*, **43**(427), 4.
- Pic, M. (1929) Nouveautés diverses. *Mélanges Exotico-Entomologiques*, **54**, 1-36.
- Pic, M. (1930a) Coléoptères nouveaux de la République Argentine. *Bulletin de la Société zoologique de France*, **55**, 175-179.
- Pic, M. (1930b) Nouveautés diverses. *Mélanges Exotico-Entomologiques*, **55**, 1-36.
- Pic, M. (1931) Nouveautés diverses. *Mélanges Exotico-Entomologiques*, **58**, 1-36.
- Pic, M. (1936) Nouveautés diverses. *Mélanges Exotico-Entomologiques*, **67**, 1-36.
- Pic, M. (1938) Nouveaux coleopteres de l'Amérique meridionale. *Revista Argentina de Entomología*, **1**(3), 73-74.
- Pic, M. (1939a) Nouveaux coléoptères de la République Argentine. *Revista de la Sociedad Entomológica Argentina*, **10**(2), 249-251.
- Pic, M. (1939b) Mutations et nouveautés diverses. *Mélanges Exotico-Entomologiques*, **71**, 1-36.
- Silvestro, V.A., & Flores, G.E. (2012) Two new species of *Emmallodera* Blanchard, 1842 (Coleoptera: Tenebrionidae) from western Argentina. *Zootaxa*, **3405**, 64-68.
- Slipinksi, S.A., Leschen, R.A.B., & Lawrence, J.F. (2011) Order Coleoptera Linnaeus, 1758. Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness. *Zootaxa*, **3148**, 203-208.
- Spiessberger, E.L., Flores, G.E., Aloquio, S., & Lopes-Andrade, C. (2017) Tenebrionidae. En: *Catálogo Taxonômico da Fauna do Brasil*. PNUD. <http://fauna.jbrj.gov.br/fauna/faunadobrasil/131471>
- Werner, F.G. (1961) A revision of the Genus *Vacusus* Casey (Coleoptera: Anthicidae). *Annals of the Entomological Society of America*, **54**(6), 798-809.
- Werner, F.G. (1965) A redefinition of *Ischyropalpus* and six new species (Coleoptera: Anthicidae), *Psyche* **72**(3), 191-209
- Werner, F.G. (1966) *Anthicus postsignatus* and similar species in Southern South America (Coleoptera: Anthicidae). *Annals of the Entomological Society of America*, **59**(2), 362-368.

- Werner, F.G. (1967) A revision of *Acanthinus* (Coleoptera: Anthicidae). V. The striatopunctatus-group and some related forms. *Annals of the Entomological Society of America*, **60**(3), 535-549.
- Werner, F.G. (1970) A revision of *Acanthinus* (Coleoptera: Anthicidae). VII. *Annals of the Entomological Society of America*, **63**(1), 111-128.
- Werner, F.G. (1974) A review of the Chilean Anthicidae (Coleoptera). *Revista Chilena de Entomología*, **8**, 29-34.

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