

**A catalog of the types of Stratiomyidae, Tabanidae, Asilidae *sensu lato*, and Syrphidae (Insecta, Diptera) deposited in the Museo Argentino de Ciencias Naturales, Buenos Aires (MACN)**

**With an appendix on types of Tabanidae deposited in the Instituto “Dr. Carlos G. Malbrán”, Buenos Aires (ANLIS)**

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**Abstract:** The type specimens of all accepted categories of three names of Stratiomyidae, fifty-nine of Tabanidae, twenty-four of Asilidae *sensu lato* (includes Leptogastridae), and twenty of Syrphidae are recorded. In an *appendix* twelve paratypes of six species of Tabanidae are recorded, housed in the Administración Nacional de Laboratorios e Institutos de Salud “Dr. Carlos G. Malbrán” (ANLIS), Departamento Vectores, Buenos Aires.

**Key words:** Type specimens, Insecta, Diptera, Stratiomyidae, Tabanidae, Asilidae *s. l.*, Syrphidae.

**Resumen:** Catálogo de los tipos de Stratiomyidae, Tabanidae, Asilidae *sensu lato*, y Syrphidae (Insecta, Diptera) depositados en el Museo Argentino de Ciencias Naturales, Buenos Aires (MACN). Con un apéndice sobre tipos de Tabanidae depositados en el Instituto “Dr. Carlos G. Malbrán”, Buenos Aires (ANLIS). Se registran los ejemplares tipo de todas las categorías aceptadas de tres nombres de Stratiomyidae, cincuenta y nueve de Tabanidae, veinticuatro de Asilidae *s. l.* (incluye Leptogastridae) y veinte de Syrphidae. En un *appendix* se registran doce paratipos, de seis especies de Tabanidae, depositados en la Administración Nacional de Laboratorios e Institutos de Salud “Dr. Carlos G. Malbrán” (ANLIS), Departamento Vectores, Buenos Aires.

**Palabras clave:** Ejemplares tipo, Insecta, Diptera, Stratiomyidae, Tabanidae, Asilidae *s. l.*, Syrphidae.

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## INTRODUCTION

A catalog of the type specimens of Stratiomyidae, Tabanidae, Asilidae *s. l.* (including Leptogastridae), and Syrphidae, housed in the Entomological Division of this Museum is presented. They correspond to 3 + 59 + 24 + 20 names. In an *appendix* 12 paratypes of 6 species of Tabanidae, housed in the Administración Nacional de Laboratorios e Institutos de Salud “Dr. Carlos G. Malbrán” (ANLIS), Departamento Vectores, Buenos Aires, are recorded.

The species of Stratiomyidae listed were described by Jean Brèthes (1922) and Everard E. Blanchard (1938), whose collections were deposited long ago in this Museum; most of the species of Tabanidae listed were described by Jean Brèthes (1911), and several others by Sixto

Coscarón and collaborators (1961/1993); most of the species of Asilidae listed were described by Enrique Lynch Arribálzaga (1880/1883), and a few by Emilio Gemignani (1930/1931) and Gerardo Lamas (1973), and those of Syrphidae by Félix Lynch Arribálzaga (1891/1892) and Jean Brèthes (1905/1920).

Specific and subspecific names, grouped by families, are alphabetically filed in single series, followed by the generic ones, in their original spellings. An account of the types actually here housed is given, with descriptions of all the labels. When no types were formally designated, and the amount of specimens examined was not mentioned, it is assumed that there was a series of syntypes (recommendation 73F of the International Code of Zoological Nomenclature, 1999), eventually ‘single syntypes’. In geo-

graphical mentions, if the country is not stated, Argentina is meant.

For the taxonomic and nomenclatural updating, the catalogs of James (1973) for the Stratiomyidae, those of Fairchild (1971) and Coscarón & Papavero (2009) for the Tabanidae, those of Martin & Papavero (1970) and Lamas (1973b) for the Asilidae, and that of Thompson, Vockeroth & Sedman (1976) for the Syrphidae are here followed.

Some types deemed to be housed in the Museum were not found, but in order to assist future research, they are recorded in separate lists. Some specimens labeled as types are not acceptable, or very hardly acceptable as conforming a type series, but also in order to assist in future research, they are included in further lists.

Barretto & Duret deposited in the Museum in 1955 a series of specimens of Tabanidae, labeled as types, planning to publish the descriptions of fourteen new species, along with the designations of several lectotypes, but owing to the death of Barretto, nothing was published (Duret, personal communication XII.1997); I accept their rotulation as Holotypes and Allotypes of specimens identified by them; once more in order to assist future research, they are filed in a separate list. In the meantime Duret also passed (as late as 2007, at 94 years).

In his descriptions, Coscarón included very often characters of the female *genitalia*, dissecting the last abdominal segments, but only seldom the corresponding slides were found, neither in this Museum nor in ANLIS, where Coscarón stayed many years as an active entomologist.

All the type specimens, and also those which were intended as types, but were not published, bear a small reverted label referred to the data base of the Museum, as "MACN-En 0000"; specimen information is currently managed with the application Aurora (Rodríguez 2007-2011). Several specimens bear a small, red framed label, with a number entered in the register book of the Entomology Division of the Museum; numbers under 10000 refer to the old general register book of the Museum.

Abbreviations used: **allot.**, *allotypus*, allotype; **coll.**, collection; **det.**, *determinavit*; **handwr.**, handwritten; **holot.**, *holotypus*, holotype; **lectot.**, *lectotypus*, lectotype; **leg.**, *legit*, *legint*; **paralect.**, *paralectotypus(i)*, paralectotype(s); **parat.**, *paratypus(i)*, paratype(s); **print.**, printed; **prov.**, province; **spec.**, specimen(s); **subsp.**, subspecies; **synt.**, *syntypus(i)*, syntype(s); **var.**, *varietas*, variety.

## CATALOG OF THE TYPES

### Stratiomyidae

**bonariensis** [*Udamacantha*]. Brèthes 1922: 139–140. Buenos Aires Prov.: Mosconi, F.C.S., 12.VI.1920, leg. F. Sathicq.

**Two synt.** pinned, one without head, "Mosconi (F.C.S.) / 12.XI.1920 / F. Sathicq" handwr. by Brèthes; "Udamacantha / bonariensis Br." handwr. by Brèthes; "type!" handwr. by Brèthes; a small square of red paper. **A slide** with an antenna, "Udamacantha / bonariensis Brèthes / type! / (Stratiomyidae) / Mosconi (F.C.S.) / 12.XI.1920 / F. Sathicq leg." handwr. by Brèthes, in slide coll. *sub* U.1. "MACN-En / 7688 [7689]" print., reverse.

*Notes:* F.C.S. means Ferrocarril del Sud, currently Línea Roca of the Argentine railway system. *Udamacantha* Enderlein 1914 has *Labostigmina* Enderlein 1930 as a synonym, *vide* James (1973: 42).

**minor** [*Hadrestia*]. Brèthes 1924: 104. Chile: Chiloé Is., L. Moreira leg., *prope* *H. aenea*.

**minor** [*Hadrestia*]: Woodley 1995: 109. **Lectot.** and **one paralect.** designated.

**Lectot.** ♀, **paralect.** ♂ pinned, right foreleg, left hindtarsus, and right wing missing at the lectot; the paralect. with a plastic microvial containing dissected parts, "Chiloé / I.1923 / L. Moreira" handwr. by Brèthes; "type!", "Hadrestia / minor Brèthes" handwr. by Brèthes; "Lectotype ♀ [Paralectotype ♂] [print.] / minor / Brèthes 1924: 104 [handwr.] / det. N.E. Woodley 1995 [print.]" on red [yellow] paper; "Hadrestia / aenea / Thomson [handwr.] / det. Woodley 1995 [print.]" "MACN-En / 7690 [7691]" print., reverse.

*Notes:* Recorded as *Hadrestia minor* by James (1973: 6). A synonym of *Hadrestia aenea* Thomson, *vide* Woodley (1995: 109), who designates lectot. and one paralect.

**xanthipes** [*Pteticus*]. Blanchard 1938: 347–348. Tucumán Prov.: Lules, on orange-trees V.1938, E. Schultz leg. **Cotypes** in author's coll.

**Four synt.** on cards, **two of them** without head; one further spec. missing on the card. "Tucumán / Schultz V.38" handwr., date hardly legible, black frame. **One of them:** "Pteticus / xanthipes / n. sp. [handwr.] / det. E.E. Blanchard [print.]", black frame. To the other four I add "Pteticus / xanthipes / n. sp. / det. E.E. Blanchard / Syntypus" handwr. on red paper. "MACN-En / 7683 [7684, 7685, 7686, 7687]" print., reverse.

*Note:* The name was not recorded by James (1973).

**Tabanidae**

**acer** [*Tabanus*]. Brèthes 1911: 478. Buenos Aires Prov.: Tandil.

**One** ♂, **two** ♀ **synt.** pinned, “Argentina [print.] / Tandil [handwr.] / Bs. Aires [print.]”, black frame; “*Tabanus / acer* Brèthes” handwr. by Brèthes; “*Cotypus*” print. on pink paper, black frame. The ♂, also “7899” handwr., black frame; “*Lectotipo*” print. on pink paper, black frame. The ♀ also “*Aloparatipo*” handwr. on pink paper (refers to *T. melanogaster*; *quo vide*); “*Tabanus / melanogaster* Brèthes / Barr. & Dur. det. 955” handwr.; one of them “*J. Brèthes / Buenos Aires / 20.XI.1903*” handwr. by Brèthes, black frame. “MACN-En / 7692 [7693, 7694]” print., reverse. *Notes:* Both “paralect.” are also mentioned *sub Tabanus melanogaster*. See also under *Tabanus distinctus*, below, and under *T. acer* in the last list. No lectot. designation was published. Coscarón & Papavero (2009: 123) say *Tabanus distinctus* is a synonym.

**albibasis** [*Tabanus*]. Brèthes 1911: 477. Formosa Prov.

**albibasis** [*Leucotabanus*]: Fairchild 1941: 636–637, f. 2a, b.

**Holot.** pinned, “*Moconá / Ambrosetti*” handwr., black frame; “*Argentina / Formosa*” print., black frame; “*Tabanus / albibasis* Brèthes” handwr. by Brèthes; “*Holotypus*” print. on pink paper, black frame; “*Leucotabanus / albibasis* (Brèth.) / Barr. & Dur. det. 1955” handwr. **One parat.?** pinned, “*Tabanus / albibasis / Brèth. [handwr.] / Mus. Nac. Hist. Natural Buenos Aires [print.]*”, black frame, a small triangle of red paper; “*Leucotabanus / ? bejaranoi n. sp. / Barretto et Duret, 955*” handwr.; “*O*” handwr. with pencil on pale violet paper, reverse white. “MACN-En / 7695” print., reverse.

*Note:* Recorded under *Leucotabanus* by Fairchild (1941: 636–637) and by Coscarón & Papavero (2009: 95).

**ameghinoi** (*sub Ameghinoi*) [*Tabanus*]. Brèthes 1911: 478. Buenos Aires Prov.

**Holot.** pinned, “*Buen / Ayres*” print. on green paper; “280” handwr., red frame; “*Col. / Antigua*” print. on whitish paper, black frame; “*Holotypus*” print. on pink paper, black frame; “*Taeniotabanus / desertus* (Walk.) / Barr. & Dur. det. 955” handwr. “MACN-En / 7696” print., reverse.

*Notes:* A synonym of *Tabanus claripennis* (Bigot) *vide* Coscarón & Philip (1967a: 124; 1967b: 254)

and Coscarón & Papavero (2009: 126), who also mention *hookeri* Knab, *ovalipalpus* Enderlein, *pygmaeus* Enderlein, *flavifrons* Szilády, *frontosus* Kröber, *?venezuelensis* Kröber, *pulchella* Kröber, *pulcher* Kröber, *pusio* Kröber as synonyms. Labeled *Taeniotabanus desertus* (Walker) by Barretto & Duret, 1955.

**antilopec** [*Tabanus*]. Brèthes 1911: 480. Buenos Aires and Santa Cruz Prov.

**antilopec** [*Dasybasis*]: Coscarón & Philips 1967b: 54–56, pl. 10: A–K.

**Three synt.** ♀ pinned, “*Santa / Cruz*” handwr. on green paper, black frame, reverse white; “6317” handwr., red frame; “852” handwr.; “*Tabanus / antilopec* Brèthes” handwr. by Brèthes; “*Cotypus*” print. on pink paper, remainings of a black frame; “*Lectotipo*” [“*Paralectotipo*”, “*Paralectotipo*”] print. on pink paper, black frame; “*Agelanius / antilopec* (Brèth.) / Barr. & Dur. det. 1955” handwr. **Five synt** pinned, “*Bs. Aires [print.] / Bahía / Blanca [handwr.]*” on green paper, black frame, reverse white; “6549” handwr., red frame; “852” handwr.; “*Cotypus*” print. on pink paper; **four of them** “*Agelanius / sp. / Barr. & Dur. det. 955*” handwr., **one of them** “*Tabanus / antilopec* Brèthes” handwr. by Brèthes; **one of them** “*?Agelanius? / bonariensis* (Macq.) / Barr. & Dur. det. 955” handwr. To **the remaining four** I add “*Tabanus / antilopec / Brèthes*” handwr., black frame. “MACN-En / 7697 [7698 through 7703]” print., reverse.

*Notes:* Recorded under *Dasybasis* by Coscarón & Philip (1967a: 101; 1967b: 54–56), under *Dasybasis (Dasybasis)* by Fairchild (1971: 37) and under *Dasybasis* by Coscarón & Papavero (2009: 70). The “*Lectotipo*” label was put by Barretto & Duret, but the designation was not published. The entry 6317 in the old general register book of the Museum refers to three tabanids from Santa Cruz Prov., as a gift from Aníbal Cardoso; the entry 6549 refers to thirty-four dipters from Buenos Aires Prov.: Bahía Blanca, trip of Emilio Gemignani, and the number of the entry was restricted for five spec. of *Tabanus antilopec*.

**aquila** [*?Dasybasis [(Agelanius)]*]. Coscarón & Philip 1967a: 98, 103. Southern Chile. In a key.

**One parat.** pinned, “*Lago Frías / 17-I-66 / Col.: Castro*” handwr.; “*Paratipo*” print. on pink paper, black frame; “*?Dasybasis / aquila n. sp. / det. Coscarón y Philip / 1966*” handwr. “MACN-En / 7704” print. reverse.

*Note:* Recorded under *Agelanius* by Coscarón & Papavero (2009: 58).

**argentina** [*Chrysozona*]. Brèthes 1911: 483–484, 1 f. Chubut, San Juan and Catamarca Prov.  
**argentinus** [*Archiplatius*]: Enderlein 1925: 373.

**argentina** [*Haematopotina*]: Coscarón & Papavero 2009: 92. Type species of the genus.

**One synt.** pinned, “Catamarca” running handwr. with red ink; “7623” handwr., black frame; “Lectotipo” print. on pink paper, black frame. **One synt.** pinned, left wing missing, “S. Juan” handwr. on green paper, black frame, reverse white; “7628” handwr., red frame; “Paralectotipo” print. on pink paper, black frame. **Both:** “Cotypus” print. on red paper, black frame; “Chrysozona / argentina Brèthes” handwr. by Brèthes; “Stenotabanus / argentinus (Brèth.) / Barr. & Dur. det. 955” handwr. “MACN-En / 7705 [7706]” print., reverse.

*Notes:* Recorded under *Archiplatius* by Enderlein (1925: 373), under *Tabanus* (*Agelanius*) by Kröber (1934: 299), under *Dasybasis* (*H.[aematopotina]*) by Coscarón & Philip (1967b: 223–226), and under *Haematopotina* by Coscarón & Papavero (2009: 92). There is another spec., labeled “Holotipo”, from Tucumán, not mentioned in the original description, see at the third list, below. Lectot. designation not published. The entry 7628 in the old register book of the Museum refers to thirteen dipters of eleven species, one of them designated “cotype” of *Chrysozona argentina* Brèthes.

**arica** [*Dasybasis*]. Coscarón & Philip 1967a: 100, 103. In a key, Northern Chile.

**One parat.** ♀ pinned, end of abdomen missing, “Belen, Arica / Prov. Tarapacá / Dec. 1952. CHILE / L.E. Pena” print.; “15.5” handwr.; “Paratype” print. on red paper; “Dasybasis ♀ [print.] / arica n. sp. / Det. Coscarón + [handwr.] / C.B. Philip 1965 [print.]”. “MACN-En / 7707” print., reverse.

*Notes:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 37) and under *Dasybasis* by Coscarón & Papavero (2009: 70). Slide with ♀ *genit.* not found.

**arvensis** [*Tabanus*]. Brèthes 1911: 479. Salta Prov.

**arvensis** [*Di cladocera*]: Coscarón 1967a: 113.

**Holot.** ♀ pinned, most of abdomen missing, “Salta” handwr. on green paper; “268” handwr., red frame; “Col. / Antigua” print. on whitish paper, black frame; “Tabanus / arvensis Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, black frame; “Di cladocera / arvensis (Brèthes) / Barr. & Dur. det. 1955” handwr.;

“Di cladocera / nubipennis / (Rondani) / det. Coscarón 1966” handwr. with blue ink. “MACN-En / 7708” print., reverse.

*Notes:* A synonym of *Di cladocera nubipennis* (Rondani) *fide* Coscarón (1967b: 9–12). Recorded as *Di cladocera* (*Di cladocera*) *nubipennis* by Coscarón & Papavero (2009: 91), with *arvensis* as a synonym. Slide with ♀ *genit.* not found.

**bejaranoi** [*Dasybasis*]. Coscarón & Philip 1967a: 98, 103. In a key, Central Western Argentina.

**Holot.** ♀ pinned, “Ayo. Tulumaya / Mendoza 18-X-59 / Leg. Capri-Bejara” handwr.; “ojos verdoso / rojizo, unbanded / (relax)” handwr. with pencil; “135”; “Holotype [print.] / Dasybasis ♀ / bejaranoi / Coscaron / + Philip [handwr.]” on red paper; “Dasybasis ♀ / bejaranoi n. sp. / Cosc. / + Ph. 1965” handwr., black frame. **One parat.** ♀, “Plumerillo Mza. / 22-X-59 Cols. / Bej. y Capri” handwr., black frame; “ojos negro / verdoso sin / bandas” handwr. with pencil; “Paratype [print.] / Dasybasis / bejaranoi / Cosc. + Phil. [handwr.]” on red paper. “MACN-En / 7709 [7710]” print., reverse.

*Notes:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 37) and under *Dasybasis* by Coscarón & Papavero (2009: 70). See at the *addendum* for additional parat. in ANLIS.

**belenensis** [*Dasybasis*]. Coscarón & Philip 1967a: 101, 103. In a key, Northern Chile.

**One parat.** pinned, wings damaged, “Belen - Arica / Prov. Tarapaca / Dec. 1952 CHILE / L.E. Pena” print.; “1:2.7” handwr.; “Paratype [print.] / D. belenen- / sis Cos. + [handwr.] / ♀ C.B. Philip 1965 [print.]”, black frame. “MACN-En / 7711” print., reverse.

*Note:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 37) and under *Dasybasis* by Coscarón & Papavero (2009: 70).

**bellicosus** [*Tabanus*]. Brèthes 1911: 479. Salta Prov.

**bellicosa** [*Di cladocera*]: Coscarón 1967a: 114. Salta, Tucumán.

**Holot.** pinned, “Salta” handwr. on green paper; “267” handwr., red frame; “Col. / Antigua” print. on whitish paper, black frame; “Tabanus / bellicosus Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, black frame; “Chelommia / bellicosa (Brèth.) / Barr. & Dur. det. 955” handwr.; “888” handwr. “MACN-En / 7712” print., reverse.

*Note:* Recorded under *Di cladocera* by Coscarón (1967a: 114) and by Fairchild (1971: 73), with

*Stypochela neominos* Philip 1960 as a synonym, and under *Di cladocera* (*Di cladocera*) by Coscarón & Papavero (2009: 89). Labeled *Chelommia belliosa* by Barreto & Duret (1955).

**boliviensis** [*Acanthocerella*]. Brèthes 1911: 476, 1 f. Bolivia: Chiquitos.

**boliviensis** [*Dichelacera*]: Fairchild & Philips 1960: 21–22.

**One synt.** pinned, “Bolivia / Chiquitos / Col. Koslowsky” print., black frame; “7719” handw., black frame; “Acanthocerella / boliviensis Brèthes” handw. by Brèthes; “829” handw. “MACN-En / 7713” print., reverse.

*Notes:* Recorded under *Dichelacera* by Fairchild & Philip (1960: 21–22), and under *Dichelacera* (*Dichelacera*) by Fairchild (1971: 61) and Coscarón & Papavero (2009: 82).

**bonariensis** [*Chrysops*]. Brèthes 1911: 474. Buenos Aires Prov.

**Holot.** pinned, head and right wing missing, “Buen. / Ayres” print. on green paper; “284” handw., red frame; “Col. / Antigua” print. on whitish paper, black frame; “Chrysops / bonariensis Brèthes” handw. by Brèthes; “Holotypus” print. on pink paper, black frame. “MACN-En / 7714” print., reverse.

*Note:* Recorded as *Chrysops bonariensis* by Fairchild (1971: 30) and by Coscarón & Papavero (2009: 9).

**brethesi** [*Dasybasis*]. Coscarón & Philip 1967a: 98, 103. In a key, Central Western Argentina.

**Holot.** ♀ pinned, “Copahué / Neuquén / 1-1963 / col. Coscarón” handw.; “ojos negros / verdosos sin / bandas (relax.)” handw. with pencil; “Holotype” print. on red paper; “Dasybasis ♀ / brethesi Cosc. + [handw.] / C.B. Philip 1965 [print.]”, black frame. **One parat.**, wings and part of abdomen missing, “7673” handw., red frame; “Chile” handw. on green paper, black frame, reverse white; “884” handw.; “Tabanus / obscuratus / Phil. [handw.] / Mus. Nac. Hist. Natural Buenos Aires [print.]”, black frame; “Paratipo” print. on pink paper, black frame; “Dasybasis ♀ / brethesi Cosc. + [handw.] / C.B. Philip 1965 [print.]”, black frame. **One parat.** ♀ on a pointed card, “Rio Negro / N. Huapi / Cerro López / M.A.C.N. / 30-I-934 [obverse] / Daguerre / Col. [reverse]” handw. with pencil; “Holotipo” print. on pink paper, black frame; “Agelanius / dasytrichius, n. sp. / Barretto et Duret, 955” handw.; “Paratypus” print. on red paper; “Dasybasis ♀ [print.] / brethesi Cosc. + [handw.] / C.B.

Philip 1965 [print.]”, black frame. “MACN-En / 7717 [7718, 7719]” print., reverse.

*Notes:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 37), and under *Dasybasis* by Coscarón & Papavero (2009: 71). See also *Agelanius brethesi* Barretto & Duret, and *A. dasytrichius* Barretto & Duret, both not published, at the proper list, below. The entry 7673 in the old register book of the Museum refers to eight dipters of eight species, from Chile: Santiago, obtained from T. Toewmal as a part of an exchange.

**bruchii** (*sub Bruchii*) [*Tabanus*]. Brèthes 1911: 481. Catamarca Prov., ♂, ♀.

**bruchii** [*Dasybasis*]: Coscarón & Philip 1967a: 100.

**One synt.** ♀ pinned, “Catamarca” handw. with red ink; “872”, “2582” handw.; “Tabanus / Bruchi Brèthes” handw. by Brèthes; “Cotyplus” print. on pink paper, remainings of a black frame; “Lectotipo” printed on pink paper, black frame; “Agelanius / bruchi (Brèth.) / Barr. + Dur. det. 955” handw. “MACN-En / 7715” print., reverse.

*Notes:* Recorded under *Dasybasis* by Coscarón & Philip (1967a: 100; 1967b: 73–75) and by Coscarón & Papavero (2009: 71), and as *Dasybasis* (*Dasybasis*) *bruchii* by Fairchild (1971: 37). Lectotype designation not published.

**caprii** [*Dasybasis*]. Coscarón & Philip 1967a: 102, 103. In a key, Central Western Argentina.

**Holot.** ♀ pinned, end of abdomen missing, “Guayapas / La Rioja -XI-63 / Capri” handw.; “ojos verdosos / con banda / [a drawing] lateral / (relax)” handw. with pencil; “136”, “1:2.0” handw.; “Holotipo” print. on pink paper, black frame. “MACN-En / 7716” print., reverse.

*Notes:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 38), and under *Dasybasis* by Coscarón & Papavero (2009: 71). Slide with ♀ *genit.* not found. See at the *addendum* for an additional parat. in ANLIS.

**confirmatus** [*Tabanus*]. Brèthes 1911: 478. Argentina?

**Holot.** ♀ pinned, head, wings, and three legs missing, “Argentina” print., black frame, with a wing glued on the label; “273” handw., black frame; “Holotypus” print. on pink paper, black frame; “Tabanus / confirmatus Br.” handw. by Brèthes. **Allot.** ♂ pinned, “Argentina [print.] / Punta Chica [handw.] / Bs. Aires [print.]”, black frame; “36335” handw., red frame. **Both**

“Agelanius / confirmatus (Brèth.) / Barr. + Dur. det. 955” handwr. “MACN-En / 7720 [7721]” print., reverse.

*Notes:* A synonym of *Dasybasis minor* (Macquart) *vide* Coscarón & Philip (1967a: 120; 1967b: 122–127). Recorded under *Dasybasis (Dasybasis)* by Fairchild (1971: 39) and under *Dasybasis* by Coscarón & Papavero (2009: 73) who put *albi-palpis* Rondani, *acupunctatus* Rondani and *confirmatus* Brèthes as synonyms. The entry 36335 (entered in 1934) in the register book of the Entomological Division reads “dádiva Reynaldo Arabena (*sic, pro* Aravena)” (a gift from Reynaldo Aravena). The ♂ is dubiously a type: it was probably collected by Aravena after the publication date.

**corpulentus** [*Tabanus*]. Brèthes 1911: 480. Misiones Prov.

**Holot.** pinned, “Misiones” handwr. on green paper, black frame, reverse white; “7600” handwr., red frame; “*Tabanus / corpulentus* Br.” handwr. by Brèthes; “Holotypus” print. on red paper, black frame; “*Tabanus / monochroma* Wied. / Barr. + Dur. det. 955” handwr. “MACN-En / 7722” print., reverse.

*Notes:* *T. neoinnotescens* Kröber 1931 is a synonym *vide* Fairchild (1971: 91). Recorded as *Tabanus corpulentus* by Coscarón & Papavero (2009: 127–128). Labeled *Tabanus monochroma* Wiedemann by Barretto & Duret (1955). The entry 7600 in the old register book of the Museum refers to 202 dipters of 65 species from Misiones, leg. C. Spegazzini, one of them designated holot. of *Tabanus corpulentus* Brèthes.

**cumelafquen** [*Dasybasis*]. Coscarón 1962a: 43–45, f. 14–26. Chubut Prov.: Fontana Lake  
See at the *Appendix* for a parat. in ANLIS.

**delpontei subsp. delpontei** [*Dasybasis*]. Coscarón & Philip 1967a: 98, 102, 103. In a key, Central Western Argentina.

**Holot.** ♀ pinned, end of abdomen missing, “Copahue / Neuquen / 1-1-963 / Col. Coscarón” handwr.; “ojos verdosos / sin banda” handwr. with pencil; “128”, “1:1.6” handwr. with pencil; “Compared / with type [print.] / Archiplatius / pilosus Krb. / C.B. Philip ‘64 / NOT SAME [handwr.]”; “Holotype” print. on red paper; “*Dasybasis / delpontei / delpontei n. sp. / det. Cosc. + Phil. 1965*” handwr., black frame. “MACN-En / 7723” print., reverse.

*Note:* Recorded under *Dasybasis (Dasybasis)* by Fairchild (1971: 38), and under *Dasybasis* by

Coscarón & Papavero (2009: 72). Slide with ♀ *genit.* not found.

**dichrous** [*Pangonius*]. Brèthes 1911: 472. Tucumán Prov.

**dichrous** [?*Fidena*]: Kröber 1930: 134. Genus uncertain.

**Holot.** pinned, “1404” print. on green paper; “6003” handwr.; “Argentina / Tucumán” print., black frame; “Pangonia / dichroa Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, black frame; “*Esenbeckia / dichroa (Brèth.) / Barr. & Dur. det. 1955*” handwr.; “T-52” handwr. on green paper. “MACN-En / 7724” print., reverse.

*Note:* Recorded under *Proboscoides* by Coscarón (1967a: 107), and under *Esenbeckia (Proboscoides)* by Fairchild (1971: 10) and by Coscarón & Papavero (2009: 27). Labeled *Esenbeckia dichroa* by Barretto & Duret, 1955.

**distinctus** [*Tabanus*]. Brèthes 1911: 481. Buenos Aires Prov.: Mar del Plata.

**Two synt.** pinned, head missing in one, “Mar del Plata / II/1887. C.B.” handwr., remainings of a red frame; “358” handwr., black frame; “*Tabanus / distinctus* Brèthes” handwr. by Brèthes; “*Cotypus*” print. on pink paper, black frame; “*Tabanus / acer* Brèth. / Barr. & Dur. det. 955” handwr. **One of them** also “*Aloparatipo*” handwr. on pink paper. “MACN-En / 7725 [7726]” print., reverse.

*Notes:* Coscarón (1967a: 125) suggests it may be the ♀ of *T. acer* Brèthes. Fairchild (1971: 107) enters the name under “unrecognized Neotropical Tabanidae”, “preocc. Ricardo 1908” and adds “description suggests *T. fuscofasciatus* Macquart”. Recorded as *Tabanus acer* by Coscarón & Papavero (2009: 123), with *distinctus* as a synonym.

**dureti** [*Dasybasis pereirai subsp.*]. Coscarón & Philip 1967a: 100, 103. In a key. Chile.

**One parat.** ♀ pinned, end of abdomen missing, “Port. de Puyehue / Prov. of Osorno. CHILE / 13-19 March 1955 / L.E. Pena” print.; “Pech.”, “111”, “index / 1:2,0” handwr. with pencil; “Paratype” print. on red paper; “*Dasybasis / pereirai dureti / n. ssp. / det. Cosc. + Philip 65*” handwr. “MACN-En / 7727” print., reverse.

*Notes:* Recorded under *Dasybasis (Dasybasis)* by Fairchild (1971: 41) and under *Dasybasis* by Coscarón & Papavero (2009: 74). Slide with ♀ *genit.* not found.

**erebus** [*Dasybasis* [(*Agelanius*)]]. Coscarón & Philip 1967a: 98, 103. In a key, Southern Chile and South Western Argentina.

**erebus** [*Agelanius*]: Coscarón & Papavero 2009: 58.

**Holot.** pinned, "La Angostura / N. Huapi 15-II-46 / Wappers leg." handwr.; "index / 1:2.6" handwr.; "Holotype [print.] / *Dasybasis* / *erebus* n. sp. / Coscarón & Philip / 1965 [handwr.]" on red paper. "MACN-En / 7728" print., reverse.

*Note:* Recorded under *Dasybasis* (*Agelanius*) by Fairchild (1971: 43) and under *Agelanius* by Coscarón & Papavero (2009: 58).

**erynnis** [*Tabanus*]. Brèthes 1911: 481. Córdoba and Chubut Prov.

**erynnis** [*Dasybasis*]: Coscarón 1962b: 52. Chubut Prov.: Alto Río Sengerr.

**Two synt.** ♀ pinned (wings missing in one), "Patagonia / 1874. C. Berg" handwr. on green paper, black frame, reverse white; "306" handwr., black frame; "Tabanus / *erynnis* Brèthes" only the second one, handwr. by Brèthes; "Cotypus" print. on pink paper, remainings of a black frame; "Lectotipo" ["Paralectotipo"] print. on pink paper, black frame; "Agelanius / *erynnis* (Brèth.) / Barr. + Dur. det. 955" handwr.; "Dasybasis / *erynnis* (Bret.) / det. Cosc. 1965" [only the second one] handwr. To the first one I add "Tabanus / *erynnis* / Brèthes" handwr., black frame. "MACN-En / 7729 [7730]" print., reverse.

*Notes:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 38) and under *Dasybasis* by Coscarón & Papavero (2009: 72). Labeled *Agelanius erynnis* by Barretto & Duret (1955). Lectotype designation not published.

**fontanensis** [*Dasybasis*]. Coscarón 1962a: 41-43, f. 1-13. Chubut Prov.: Fontana Lake, **holot.** ♀, **parat. two** ♀ in **Mus. La Plata, two** ♀ in **MACN.**

**fontanensis** [*Acellomyia*]: Coscarón & Papavero 2009: 57.

**Two parat.** pinned, "Paratipo" print. on pink paper, black frame; "Dasybasis / fontanensis / Cosc. / Det. Coscarón 61" handwr.; "Lago Fontana / [Chubut] II-61 [14-II-61]. Cosca. [Col. Coscarón]" handwr. "MACN-En / 7747 [7748]" print., reverse.

*Notes:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 43), and under *Acellomyia* by Coscarón & Papavero (2009: 57). Six parat., deposited in ANLIS, are recorded in the *appendix*, below.

**fumifrons** [*Dasybasis*]. Coscarón & Philip 1967a: 102, 103. In a key, South Western Argentina.

**Holot.** ♀ pinned, end of abdomen missing, "Rio Negro / Lago Guillermo / 1.1965" handwr.; "Holotype" print. on red paper; "Dasybasis / fumifrons / Cosc. + Phil. / det. Cosc. y Phil. / 1965" handwr. "MACN-En / 7731" print., reverse.

*Notes:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 39), and under *Dasybasis* by Coscarón & Papavero (2009: 72). Slide with ♀ *genit.* not found.

**habilis** [*Tabanus*]. Brèthes 1911: 483. Argentina?

**Holot.** pinned, "Argentina" print., black frame; "8769" handwr., black frame; "Tabanus / habilis Brèthes" handwr. by Brèthes; "Holotypus" print. on pink paper, black frame; "Poeciloderas / quadripunctatus (F) / Barr. + Dur. det. 955" handwr. "MACN-En / 7732" print., reverse.

*Notes:* A synonym of *Tabanus quadripunctatus* Fabricius *fide* Coscarón (1968: 46-58). Recorded under *Poeciloderas* by Fairchild (1971: 86) and by Coscarón & Papavero (2009: 121) who add *elegans* Thunberg, *punctipennis* Macquart, *maculipennis* Macquart, *amabilis* Walker, *nigropunctatus* Bellardi, *habilis* Brèthes, *dasyphyrtina* Enderlein, *platyventris* Kröber, and *amabilinus* Philip as synonyms. Labeled *Poeciloderas quadripunctatus* by Barretto & Duret (1955).

**hepperi** [*Dasybasis*]. Coscarón & Philip 1967a: 102, 103. In a key, Eastern Argentina.

**Holot.** ♀ pinned, "Holotype" print. on red paper; "Dasybasis [print.] / hepperi n. sp. / Det. Coscarón & [handwr.] / C.B. Philip 1965 [print.]", black frame; "17.0" handwr. with pencil; "7 Km. W. Morteros / Córdoba . Argentina / IV-1963. H.C. Hepper" handwr. **One parat.** pinned, "Paratipo" print. on pink paper, black frame; "Lag. de los / Quebrachos / Cdba. 8-2-62" handwr.; "Dasybasis / hepperi Cosc. + Phil. / Det. Cosc. + Phil. / 66" handwr. "MACN-En / 7733 [7734]" print., reverse.

*Note:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 39), and under *Dasybasis* by Coscarón & Papavero (2009: 72).

**hirsuta** [*Dasybasis*]. Coscarón & Philip 1967a: 98, 103. In a key, Chile.

**One parat.** ♀ pinned, wings somewhat damaged, "Antofagasta / Chile 10 Oct. '52 / C.B. Koford" handwr.; "Linzor 60 ml. ENE / Calama 14000 ft" handwr.; "1:1,5" handwr. with red ink;

“*Dasybasis* / *hirsuta* n. sp. / det. Cosc. + Phil. / 1965” handwr., black frame; “Paratipo” print. on pink paper, black frame. “MACN-En / 7735” print., reverse.

*Note:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 39), and under *Dasybasis* by Coscarón & Papavero (2009: 72).

***kroberi*** [*Dasybasis*]. Coscarón & Philip 1967a: 97, 103. In a key, Northern Chile, Perú.

**One parat.** ♀ pinned, end of abdomen missing, “Banos Puritama [handwr.] / Prov. Antofagasta [print.] / 19-20 Feb. 1960 [handwr.] CHILE / L.E. Pena [print.]”; “P” handwr. with red ink; “ojos negros / sin banda”, “1.57” handwr. with pencil; “*Dasybasis* ♀ [print.] / *kroberi* n. sp. [handwr.] / Det. / C.B. Philip 19\_ [print.]”; “Paratipo” print. on pink paper, black frame. “MACN-En / 7736” print., reverse. **One slide** with dissected parts, including *spermathecae*, “Paratype”, “Baños Puritana / Antofagasta CHILE / 19-20-II-60. Peña / 1.57 / *Dasybasis* / *kroberi* n. sp. / Cosc. + Phil. 65” handwr., double blue frame; “1.57” handwr. with red ink on the glass.

*Note:* Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 39), and under *Dasybasis* by Coscarón & Papavero (2009: 73).

***lanei*** [*Dasybasis* [(*Agelanius*)]]. Coscarón & Philip 1967a: 99, 103. In a key, South Western Argentina.

***lanei*** [*Agelanius*]: Coscarón & Papavero 2009: 58.

**Holot.** ♀, **parat. one** ♂, **one** ♀ all pinned, “Llao Llao - Bariloche / R.N. 8-I-68 L. C. y C.” handwr.; “*Dasybasis* / *lanei* n. sp. / Det. Coscarón + / Phil. 63 [1965, 1965]” handwr. “Holotype” [“Paratipo”, “Paratipo”] [print.] / *Dasybasis* / *lanei* / n. sp. [handwr.]” on red paper; “*Dasybasis* ♂ / *lanei* n. sp. / Coscarón + Philip ‘66” handwr., black frame. “MACN-En / 7737 [7738, 7739]” print., reverse.

*Note:* Recorded under *Dasybasis* (*Agelanius*) by Fairchild (1971: 43), and under *Agelanius* by Coscarón & Papavero (2009: 58), who add *Theriopectes inornatus* as a deemed synonym.

***longirostris*** [*Scione*]. Brèthes 1920: 29–30. Perú: Chanchamayo.

**Holot.** pinned, “75” handwr.; “C.R. Vigil / Pérou” handwr., “type!” handwr. by Brèthes; “*Scione* / *longirostris* Brèthes” handwr. by Brèthes; a small square of red paper; “*Scione* / *maculipennis* Schin. / Barretto et Duret / det. 1955” handwr. “MACN-En / 7740” print., reverse.

*Notes:* Recorded as *Scione longirostris* by Fairchild (1971: 26) and by Coscarón & Papavero (2009: 53), who do not mention the type in MACN, adding “♀ lost”. Labeled *S. maculipennis* Schiner by Barretto & Duret (1955).

***lynchii*** (*sub Lynchii*) [*Chrysops*]. Brèthes 1911: 474–475. Chaco Prov., Lynch Arribálzaga.

**Holot.** pinned, “Chaco” handwr. on green paper, black frame; “6878” handwr., red frame; “823” handwr.; “*Chrysops* / *Lynchii* Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, black frame; “*Chrysops* Lynchii / Brèth. / det. W. Hack 27/6/49 [handwr.] / Museo Argentino de Ciencias Naturales [print.]”, black frame; “*Chrysops* / *variegata* (De Geer) / Barr. & Dur. det. ‘55” handwr. “MACN-En / 7741” print., reverse.

*Notes:* Recorded as *Chrysops* (*Heterochrysops*) *Lynchii* by Kröber (1930: 136); as a var. of *C. variegata* by Coscarón (1967a: 111), as a synonym of *C. variegatus* (de Geer 1776) by Fairchild (1971: 35), and as *Chrysops variegatus* ssp. *lynchii* by Coscarón & Papavero (2009: 16) who add the following names as synonyms of *variegatus*: *costatus* Fabricius, *molestus* Guérin-Méneville, *vulneratus* Rondani, *subfascipennis* Macquart, *amazonicus* Rondani, *crucians* Jaenicke, and *peruviansis* Kröber. Labeled *Chrysops variegata* by Barretto & Duret (1955).

***mapuche*** [*Dasybasis paulseni* subsp.]. Coscarón & Philip 1967a: 99, 103. In a key, Central Chile and South Western Argentina, dry areas.

***mapuche*** [*Acellomyia paulseni* subsp.]: Coscarón & Papavero 2009: 57.

**Holot.** ♀ pinned, “Copahué / Neuquén / I-1963 / Col. Coscarón” handwr.; “ojos verde azulado / sin banda (relax)” handwr. with pencil; “probably / paulseni / Ph.” handwr.; “*Dasybasis* / paulseni mapuche / n. subsp. / det. Cosc. + Phil. 1965” handwr.; “Holotipo” print. on pink paper, black frame. “MACN-En / 7742” print., reverse.

*Note:* Recorded under *Dasybasis* (*Agelanius*) by Fairchild (1971: 43) and under *Acellomyia* by Coscarón & Papavero (2009: 57).

***melanogaster*** [*Tabanus*]. Brèthes 1911: 482. Buenos Aires Prov.: La Plata.

**Holot.** ♂ pinned, “La Plata” print.; “Argentina / Bs. Aires” print., black frame; “9589” handwr., black frame; “*Tabanus* / *melanogaster* Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, black frame. “MACN-En / 7743” print., reverse.

*Notes:* Recorded as *Tabanus melanogaster* by

Fairchild (1971: 96) and by Coscarón & Papavero (2009:134). There are five further spec., see at the proper list, below.

**melanopterus** [*Tabanus*]. Brèthes 1911: 479. Argentina?

**melanopterus** [*Leucotabanus*]: Coscarón 1967a: 124.

**Holot.** pinned, right wing missing, "Argentina" print., black frame; "6368" handwr., black frame; "Holotypus" print. on pink paper, black frame; "Tabanus / melanopterus Brèthes" handwr. by Brèthes; "Leucotabanus / leucaspis (Wied.) / Barr. + Dur. det. 955" handwr. "MACN-En / 7744" print., reverse.

**Notes:** Recorded under *Leucotabanus* by Coscarón (1967a: 124). A synonym of *Leucotabanus exaestuans* (Linnaeus) *fide* Coscarón (1967b: 90–93). Recorded as *L. exaestuans*, with *melanopterus* and four further names as synonyms, by Fairchild (1971: 83) and by Coscarón & Papavero (2009: 96), these with *leucaspis* Wiedemann, *albicans* Macquart, *albiscutellatus* Macquart, *cingulifer* Walker and *melanopterus* Brèthes as synonyms. Labeled *Leucotabanus leucaspis* by Barretto & Duret (1955).

**molle** [*Dicladocera*]. Coscarón 1967b: 7-9, f. 19–21, 23–28. Tucumán Prov.: Horco Molle, Bachmann leg., **holot.** ♀ in MACN. **Parat.** from Tucumán Prov.: Monte Bello, and Tucumán; La Rioja, Catamarca, Jujuy Prov.: Yala; Bolivia: Cochabamba: Yungas, in MACN, Mus. La Plata, Inst. Nac. Microbiol. (now ANLIS), Fairchild coll.

**molle** [*Catachlorops (Hadrochlorops)*]: Coscarón & Papavero 2009: 64.

**Holot.** ♀ pinned, "Horco Molle. Tuc. / I-II-66 Bachmann" handwr.; "Holotipo" print. on pink paper, black frame; "Dicladocera / molle n. sp. / det. Coscarón 1967" handwr. **One parat.** pinned, "Rodeo / Catamarca / 1-57 / Col. Galiano" handwr.; "Dicladocera / nubipennis Rond. / Det. Coscarón [handwr.] / Museo Argentino de Ciencias Naturales [print.]" on white paper, black frame; "Paratipo" print. on pink paper, black frame; "Dicladocera / molle n. sp. / det. Coscarón 1967" handwr. **One parat.** pinned, head missing, "Argentina / La Rioja" print., black frame; "30948" handwr., red frame; "Dicladocera / molle n. sp. / det. Coscarón 1966" handwr. with blue ink on white paper. **One parat.** pinned, "17370" handwr., black frame; "Prov. de / Jujuy" handwr. **All three parat.:** "Paratipo" print. on pink paper; "Amphichlorops / discriminata, n. sp.

/ Barretto et Duret, 955" handwr. "MACN-En / 7745 [7746, 8415, 8416]" print., reverse.

**Notes:** *Amphichlorops discriminata* Barretto & Duret 1955 is a *nomen nudum*; the spec. were included as parat. of *Dicladocera molle* Coscarón, but the spec. from Jujuy bears no label written by Coscarón. Recorded as *Dicladocera molle* by Fairchild (1971: 74), and as *Catachlorops (Hadrochlorops) molle* by Coscarón & Papavero (2009: 64). The entry 17370 of the register book of the Entomological Division of the Museum refers to one tabanid from Jujuy Prov. XI-XII.1925, leg Pozzi & Zotta; the entry 30948 refers to an assemblage of insects from La Rioja Prov. sold by M. Gómez.

**nigrihumera** [*Dasybasis scutulata subsp.*]. Coscarón & Philip 1967a: 99, 103. In a key, Southern Argentina.

**Holot.** ♀ pinned, "Lago Futalaufquen / Ch 15.1.62" handwr.; "*Dasybasis* sp. / near *scutulatus* / *fide* Philip, Krb. / det. Coscarón 63" handwr.; "Probabl. n. sp. / Coscarón 63" handwr.; "Not in agreement / to type of *albovittatus* ♀ / = *scutellatus (sic)* ♂ / B.M. 1964" handwr. with blue ink; "*Dasybasis* ♀ / *scutulatus* / ssp. *nigrihumera* / Coscarón + / Philip '66" handwr., black frame; "Holotype [print.] / *Dasybasis* / *scutulatus* / *nigrihumera* / era n. ssp. [handwr.]" on red paper. **Allot.** ♂ pinned, "Lago Futalaufquen / Ch 15.1.62" handwr.; "scutulatus?" handwr. with pencil; "209" handwr. with pencil; "*Dasybasis* ♂ / *scutulatus* ssp. / *nigrihumera* / Coscarón + / Philip '66" handwr., black frame; "*Dasybasis* / *scutulatus* / *nigrihumera* / era n. ssp. [handwr.] / Allotype" on red paper. "MACN-En / 7749 [7750]" print., reverse.

**Note:** Recorded as *Dasybasis (Agelanius) scutulata subsp. nigrihumera* by Fairchild (1971: 44), and as *Agelanius scutulatus* by González (1999: 155) and by Coscarón & Papavero (2009: 59), with *albovittatus* Kroeber and *nigrihumera* Coscarón & Philip as synonyms.

**nitidum** [*Pseudoselasoma*]. Brèthes 1911: 475. Chubut Prov.

**Holot.** ♀ pinned, "Chu- / but" print. on green paper; "Col. / Antigua" print. on grayish white paper, black frame; "*Pseudoselasoma* / *nitida* Brèthes" handwr. by Brèthes; "Holotypus" print. on pink paper, black frame; "2571" handwr., red frame; "835" handwr.; "*Agelanius* / *nitidus* (Brèth.) / Barr. et Dur. det. 955" handwr. "MACN-En / 7751" print., reverse.

**Notes:** A synonym of *Dasybasis (Scaptiodes) gaga-*

*tina* (Philippi 1865) *fide* Coscarón & Philip (1967a: 119; 1967b: 230–232). Recorded as *Dasybasis* (*Scaptiodes*) *gagatina* by Fairchild (1971: 44) and as *Scaptiodes gagatina* by Coscarón & Papavero (2009: 104), both with *Pseudoselasoma nitidum* and *Scaptiodes nigerrima* Enderlein as synonyms. Labeled *Agelanius nitidus* by Barretto & Duret (1955). The entry 2571 in the old register book of the Museum refers to 108 dipters of eighteen species, from Buenos Aires Prov.: Tigre [= Paraná River Delta] leg. J. Brèthes.

**opaca** [*Erephopsis*]. Brèthes 1911: 472. Jujuy Prov.

**opaca** [*Fidena*]: Enderlein 1925: 293.

**Holot.** pinned, “I-1906 Jujuy / Spegazzini” handwr. on green paper, black frame, reverse white; “7278” handwr., black frame; “Erephopsis / opaca Br.” handwr. by Brèthes; “Holotypus” print. on red paper, black frame; “Fidena opaca / (Brèth.) / Barr. & Dur. det. 955” handwr.; “804” handwr. “MACN-En / 7752” print., reverse.

*Notes:* Recorded under *Fidena* by Enderlein (1925: 293) and by Coscarón (1967a: 108); and under *Fidena* (*Fidena*) by Fairchild (1971: 22) and by Coscarón & Papavero (2009: 41). *Listrappa convergens* Enderlein 1925 is a synonym *fide* Fairchild (1966: 8; 1971: 22). Labeled *Fidena opaca* by Barretto & Duret (1955).

**opacum** [*Pseudoselasoma*]. Brèthes 1911: 475. San Juan Prov.

**opaca** [*Dasybasis*]: Coscarón & Philip 1967a: 100. Chile and Argentina.

**Holot.** pinned, “Valle de / Horcones / 3500 metr.” handwr. on green paper, black frame, reverse white; “Argentina / San Juan” print., black frame; “7366” handwr., red frame; “Pseudoselasoma / opaca Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, remainings of a black frame; “Agelanius / opacus (Brèth.) / Barr. & Dur. det. 955” handwr. “MACN-En / 7753” print., reverse.

*Notes:* Recorded under *Dasybasis* by Coscarón & Philip (1967a: 100), under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 40) and under *Dasybasis* by Coscarón & Papavero (2009: 74). *D. acallosa* Philip 1961 is a synonym *fide* Fairchild (1971: 40). Labeled *Agelanius opacus* by Barretto & Duret (1955). There is a spec. labeled “Homeotipo”, from “San Juan Wb”, seemingly seen by Brèthes. See at the proper list, below.

**ornatissimus** [*Tabanus*]. Brèthes 1911: 479. Argentina?

**ornatissima** [*Dasybasis*]: Coscarón & Philip 1967a: 97

**Holot.** pinned, head, right wing and most of left wing missing, “Haematopota / sp.” handwr. by Brèthes?, folded; “Tabanus / ornatissimus Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, black frame; “Col. / Lynch / Arribáizaga” print. and handwr. on greenish paper, black frame; “Argentina” print., black frame; “ver ala preparac. / microscópica” handwr. by Brèthes; “Stipommisa / ornatissima (Brèth.) / Barr. + Dur. det. 1955” handwr. “MACN-En / 7754” print., reverse.

*Notes:* The slide with a wing, mentioned by Brèthes, was not found. Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 40), and under *Dasybasis* by Coscarón & Papavero (2009: 74). Labeled *Stipommisa ornatissima* by Barretto & Duret (1955).

**palpalis** [*Tabanus*]. Brèthes 1911: 477. Misiones Prov.

**Holot.** ♀ pinned, left wing and end of abdomen missing, “Posadas” handwr.; “Argentina / Misiones” print., black frame; “6363” handwr., black frame; “Col. / Lynch / Arribáizaga” print. and handwr. on grayish paper; “Tabanus / palpalis Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, black frame; “Tabanus / palpalis Brèth. / Barr. & Dur. det. 955” handwr. “MACN-En / 7755” print., reverse.

*Notes:* Recorded as *Tabanus palpalis* by Fairchild (1971: 98) and by Coscarón & Papavero (2009: 138), both with *T. lucidecallosus* Fairchild 1942 as a synonym. Labeled *Tabanus palpalis* by Barretto & Duret (1955). Slide with ♀ *genit.* not found.

**paraguayensis** [*Chrysops*]. Brèthes 1911: 474. Paraguay: San Pedro.

**Holot.** pinned, “Paraguay / San Pedro / Col. Koslowsky” handwr., black frame; “7718” handwr., remainings of a black frame; “Chrysops / paraguayensis / Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, black frame; “Chrysops paragua- / yensis / Brèth. / det. W. Hack 27/6/49 [handwr.] / Museo Argentino de Ciencias Naturales [print.]”, black frame. “MACN-En / 7756” print., reverse.

*Note:* Recorded as *Chrysops paraguayensis* by Fairchild (1971:33) and by Coscarón & Papavero (2009: 14).

**patagonicus** [*Silvestriellus*]. Brèthes 1911: 473–474. Santa Cruz Prov., Dr. Silvestri leg.

**patagonica** [*Mycteromyia*]: Kröber 1930: 133–134. Follows Enderlein, but generic assignment doubtful.

**patagonicus** [*Silvestriellus*]: Coscarón & Papavero 2009: 20.

**Holot.** pinned, most of abdomen missing, “3° campamento / Silvestri” handwr., folded; “Argentina [print.] / XII-1899 [handwr.] / Sta. Cruz [print.]”, black frame; “4949” handwr., remainings of a black frame; “818” handwr.; “Silvestriellus / patagonicus Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, black frame; “Myctaromyia / patagonica Brèthes / Barr. y Dur. det. 55” handwr. “MACN-En / 7757” print., reverse.

**Notes:** Recorded with some doubt under *Mycteromyia* by Kröber (1930: 133–134), who follows Enderlein. Recorded under *Mycteromyia* by Coscarón (1967a: 107) and by Fairchild (1971: 13), and under *Silvestriellus* by Coscarón & Papavero (2009: 20). Labeled *Myctaromyia patagonica* by Barretto & Duret (1955).

**pechumani** [*Dasybasis*]. Coscarón & Philip 1967a: 94, 103.

See at the *appendix*, below, for a parat. in ANLIS.

**penai** (*sub peñai*) [*Dasybasis*]. Coscarón & Philip 1967a: 97, 103. In a key, Chile.

**One parat.** ♀ pinned, “Belen. Arica / Prov. Tarapaca / Dec. 1952. CHILE / L.E. Pena” print.; “Pech.” handwr. with pencil; “ojos negros / sin banda” handwr. with pencil; “Dasybasis ♀ [print.] / penai Cosc. + [handwr.] / C.B. Philip 1965 [print.]”; “Paratipo” print. on pink paper, black frame; “Paratype [print.] / D. penai / Coscarón + [handwr.] / ♀ C.B. Philip 1965 [print.]” on red paper. “MACN-En / 7758” print., reverse.

**Note:** Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 40) and under *Dasybasis* by Coscarón & Papavero (2009: 74).

**pereirai** [*Dasybasis pereirai subsp.*]. Coscarón & Philip 1967a: 100, 103. In a key, South Western Argentina.

**Holot.** ♀, **two parat** ♀ pinned, “Lago Fontana / Chubut / 14-II-61 / Col. Coscarón” handwr.; “Holotipo” [“Paratipo”] print. on pink paper, black frame; the **parat.** also: “Dasybasis / brethesi / (Barr. y Duret)” handwr.; “ojo negro / verdoso con / banda” handwr. with pencil; “index / 1: 2.0” handwr. **Two parat.** pinned, “Lago Vintter / Chubut 10.II-66 / Col. Ronderos” handwr. “Paratipo” print. on pink paper, black frame.

**All:** “Dasybasis / pereirai pereirai / n. sp. n. ssp. / det. Cosc. + Phil. 1965” handwr. “MACN-En / 7759 [7760, 7761, 7762, 7763]” print., reverse.

**Note:** Recorded under *Dasybasis* (*Dasybasis*) by Fairchild (1971: 40) and under *Dasybasis* by Coscarón & Papavero (2009: 74).

**picea** [*Dasybasis kroberi var.*]. Coscarón & Philip 1967a: 94, 103.

See at the *appendix* for a parat. in ANLIS.

**picea** [*Erephopsis*]. Brèthes 1911: 472. Argentina?

**picea** [*Fidena*]: Coscarón 1967a: 108. Argentina?

**coscaroni** [*Fidena*]. Philip (1969: 109). Replacement name for *F. picea* (Brèthes 1911) non Thunberg 1827.

**Holot.** pinned, wings damaged, “Argentina” print., remainings of a black frame; “6909” handwr., remainings of a black frame; “Erephopsis / picea Br.” handwr. by Brèthes; “Holotypus” print. on red paper, black frame; “Fidena picea / (Breth.) / Barr. & Dur. det. 955” handwr. “MACN-En / 7764 [7765]” print., reverse.

**Notes:** Recorded as *Fidena picea* by Coscarón (1967a: 108). *Fidena coscaroni* Philip (1969: 109) is a replacement name for *F. picea* (Brèthes 1911) non Thunberg 1827, and therefore deserves no type, see at the proper list, below. Recorded as *Fidena* (*Fidena*) *coscaroni* by Fairchild (1971: 19), with *F. picea* as a synonym. Recorded as *Fidena* (*Fidena*) *sorbens* (Wiedemann) by Coscarón & Papavero (2009: 43) with *ardens* Macquart, *picea* Brèthes, and *coscaroni* Philip as synonyms. Labeled *Fidena picea* by Barretto & Duret (1955). The entry 6909 in the old register book of the Museum refers to nine dipters of four species, a gift of the Zoological Garden of Buenos Aires, one of them designated holot. of *Erephopsis picea* Brèthes.

**plagiata** [*Dichelacera*]. Brèthes 1911: 476. Misiones Prov.

**plagiata** [*Catachlorops*]: Coscarón 1967a: 113. Misiones Prov.

**Holot.** pinned, “Misiones” handwr. on green paper, black frame, reverse white; “5191” handwr., red frame; “Dichelacera / plagiata Brèthes” handwr. by Brèthes; “Holotypus” print. on pink paper, black frame; “Catachlorops / plagiata (Brèth.) / Barr. et Dur. det. 955” handwr. “MACN-En / 7766” print., reverse.

**Notes:** Recorded under *Catachlorops* by Coscarón (1967a: 113), under *Catachlorops* (*Catachlorops*)

by Fairchild (1971: 68) and by Coscarón & Papavero (2009: 63); both put *C. macrospila* Lutz 1918 and *C. kroeberi* Barretto 1950 as synonyms. Labeled *Catachlorops plagiata* by Barretto & Duret (1955). The entry 5191 in the old register book of the Museum refers to a tabanid from Misiones, designated holot. of *Dichelacera plagiata* Brèthes.

**platensis** [*Tabanus*]. Brèthes 1911: 480. Chaco Prov.

**Holot.** pinned, the pin pierced on a piece of cork, on another pin, "Chaco" handwr. on green paper, black frame, reverse white; "6883" handwr., black frame; "Tabanus / platensis Brèthes" handwr. by Brèthes; "Holotypus" print. on red paper, black frame; "Taeniotabanus / platensis (Brèthes) / Barr. & Dur. det. 1955" handwr. "MACN-En / 7767" print., reverse.

**Notes:** Recorded as *Tabanus platensis* by Fairchild (1971: 99) and by Coscarón & Papavero (2009: 139). Labeled *Taeniotabanus platensis* by Barretto & Duret, 1955.

**princeps** [*Tabanus*]. Brèthes 1911: 478. [Brasil:] Mato Grosso, probably also in Paraguay.

**Holot.** pinned, "Matto / Grosso" print. on green paper; "266" handwr., red frame; "Col. / Antigua" print. on grayish white paper, black frame; "Tabanus / princeps Brèthes" handwr. by Brèthes; "Holotypus" print. on pink paper, black frame; "Cryptotylus / unicolor (Wied.) / Barr. + Dur. det. 955" handwr. "MACN-En / 7768" print., reverse.

**Notes:** A synonym of *Cryptotylus unicolor* (Wiedemann 1828) *vide* Fairchild (1971: 78), along with five further names, and by Coscarón & Papavero (2009: 69), with *ferrogineus* Thunberg, *castaneus* Macquart, *ochraceus* Macquart, *princeps* Brèthes and *viridis* Enderlein as synonyms. Labeled *Cryptotylus unicolor* by Barretto & Duret (1955).

**seclusus** [*Tabanus*]. Brèthes 1911: 483. Chaco Prov.

**seclusus** [*Poeciloderas*]: Fairchild 1971: 86.

**Holot.** pinned, head and abdomen bored by dermestids?, "Chaco" handwr. on green paper, black frame, reverse white; "Tabanus / seclusus Brèthes" handwr. by Brèthes; "Holotypus" print. on pink paper, black frame; "Poeciloderas / seclusus (Brèth.) / Barr. + Dur. det. 955" handwr. "MACN-En / 7769" print., reverse.

**Notes:** Recorded as *Poeciloderas seclusus* by Fairchild (1971: 86) and by Coscarón & Papavero

(2009: 122); both put *Tabanus signativentris* Brèthes, *obscuriventris* Kröber and *paraguayensis* Kröber as synonyms. Labeled *Poeciloderas seclusus* by Barretto & Duret (1955).

**signativentris** [*Tabanus*]. Brèthes 1911: 480. Chaco Prov.

**Holot.** ♀ pinned, "Chaco" handwr. on green paper, black frame, reverse white; "6884" handwr., black frame; "Tabanus / signativentris Brèthes" handwr. by Brèthes; "Holotypus" print. on pink paper, black frame; "Poeciloderas / signativentris / (Brèth.) / Barr. + Dur. det. 955" handwr.; "Poeciloderas / seclusus / (Brèthes) / det. Coscarón 75" handwr. "MACN-En / 7770" print., reverse.

**Notes:** A synonym of *Tabanus seclusus* Brèthes *vide* Fairchild (1971: 86) and Coscarón & Papavero (2009: 122), along with *signativentris* Kröber, *obscuriventris* Kröber and *paraguayensis* Kröber. Labeled *Poeciloderas signativentris* by Barretto & Duret (1955).

**subantarcticus** [*Tabanus*]. Brèthes 1911: 481–482. Santa Cruz Prov.: Ultima Esperanza.

**subantarcticus** [*Dasybasis*]: Coscarón 1962b: 52. Neuquen, Río Negro, Chubut Prov.

**Holot.** ♀ pinned, left wing missing, "Ult. Esp." handwr.; "Argentina / Santa Cruz" print., black frame; "Holotypus" print. on red paper, remainings of a black frame; "Tabanus / subantarcticus Brèthes" handwr. by Brèthes; "Agelanius / subantarcticus (Breth.) / Barr. + Dur. det. 955" handwr. "MACN-En / 7771" print., reverse.

**Notes:** A synonym of *Dasybasis testaceomaculata* (Macquart) *vide* Coscarón (1967b: 122) and Coscarón & Philip (1967b: 174–181). Recorded as *Dasybasis (Dasybasis) testaceomaculata* by Fairchild (1971: 42), with *T. subantarcticus* and ten further names as synonyms, and as *Dasybasis testaceomaculata* by Coscarón & Papavero (2009: 75–76), with *inornatus* Philippi, *molestissimus* Philippi, *apocilus* Schiner, *subantarcticus* Brèthes, *longifrons* Kröber, *ornatifrons* Kröber, *affinis* Kröber, *maculifrons* Kröber, *rubromarginatus* Kröber, *modestus* Kröber, *adjunctus* Kröber, *maculiceps* Kröber and *modestinus* Kröber, as synonyms. Labeled *Agelanius subantarcticus* by Barretto & Duret (1955).

**submetallica** [*Erephopsis*]. Brèthes 1911: 473. Argentina?

**submetallica** [*Fidena*]: Enderlein 1925: 293

**submetallica** [*Leptofidena*]: Kröber 1930: 134. Chile, perhaps in Argentina.

**Holot.** pinned, "Argentina" handwr., remainings

of a black frame; "7296" handwr., black frame; "803" handwr.; "Erephopsis submetallica Br." handwr. by Brèthes; "Holotypus" print. on red paper, black frame; "Fidena nitens (Big.) / Barr. & Dur. det. 955" handwr. "MACN-En / 7772" print., reverse.

*Notes:* Recorded under *Fidena* by Enderlein (1925: 293), under *Leptofidena* by Kröber (1930: 134), under *Fidena (Fidena)* by Fairchild (1971: 23) and by Coscarón & Papavero (2009: 43), and under *Fidena (Leptofidena)* by Coscarón & Papavero (1993). Labeled *Fidena nitens* by Barretto & Duret, 1955.

**subtrita** [*Dasybasis*]. Coscarón & Philip 1967a: 101, 103. In a key, North Western Argentina.

**Three parat.** pinned, "El Manchado/Catamarca / I-59 / Col. Golbach" handwr.; "Paratipo" print. on pink paper, black frame; "Dasybasis [♀] / subtrita n. sp. / det. Cosc. + Phil. 65 [Coscarón] [handwr.] / [C.B. Philip 1965] [print.]", black frame. "MACN-En / 7773 [7774, 7775]" print., reverse.

*Note:* Recorded under *Dasybasis (Dasybasis)* by Fairchild (1971: 41), and under *Dasybasis* by Coscarón & Papavero (2009: 75).

**sylvestris** [*Tabanus*]. Brèthes 1911: 482. Paraguay: San Pedro.

**Holot.** ♀ pinned, left wing damaged, "Paraguay / San Pedro / Col. Koslowsky" handwr.? print., black frame; "7717" handwr., black frame; "Tabanus / sylvestris Brèthes" handwr. by Brèthes; "897" handwr.; "Holotypus" print. on pink paper, black frame; "Bellardia / sylvestris (Brèth.) / Barr. + Dur. det. 955" handwr.; "Tabanus / sorbillans / Wiedemann / det. Coscarón 75" handwr. "MACN-En / 7776" print., reverse.

*Notes:* A synonym of *Tabanus sorbillans* Wiedemann, along with *T. terminus* Walker, and perhaps *T. pseudosorbillans* Lutz, *fide* Fairchild (1971: 101); Coscarón & Papavero (2009: 143) add as synonyms *flavostriatus* Kroeber, *rubrofemorata* Kroeber, *flavolineatus* Philip *nom. nov. pro flavostriatus* Kröber 1930 *non* Schuurmans Stekhoven 1926. Labeled *Bellardia sylvestris* by Barretto & Duret (1955).

**tinctipennis** [*Tabanus*]. Brèthes 1911: 482–483. Brasil: Rio de Janeiro.

**Holot.** pinned, "Rio. Brazil / 18/11/1901 / 9 [?] G.B." handwr.; "5547" handwr., black frame; "Tabanus / tinctipennis Brèthes" handwr. by Brèthes; "Holotypus" print. on pink paper, black

frame; "899" handwr.; "Phaeotabanus / limpida-pex / (Wiedemann) / det. Coscarón 77" handwr. "MACN-En / 7777" print., reverse.

*Note:* A synonym of *Phaeotabanus limpida-pex* (Wiedemann 1828) *fide* Fairchild (1971: 57) and Coscarón & Papavero (2009: 99).

**tucumana** [*Esenbeckia*]. Brèthes 1911: 473. Tucumán Prov.

**Holot.** pinned, "Tucumán" handwr. on green paper, black frame; "7121" handwr., red frame; "Esenbeckia / tucumana Brèthes" handwr. by Brèthes; "Holotypus" print. on pink paper, black frame; "Esenbeckia / esenbecki (Wied.) / Barr. & Dur. det. 1955" handwr. "MACN-En / 7778" print., reverse.

*Notes:* Recorded as *Esenbeckia (Esenbeckia) tucumana* by Fairchild (1971: 9), and as *Esenbeckia esenbecki* by Coscarón & Papavero (2009: 23), with *fasciata* Macquart, *pangonina* Rondani, and *tucumana* Brèthes as synonyms. Labeled *Esenbeckia esenbecki* by Barretto & Duret (1955).

#### **Asilidae sensu lato (Including Leptogastridae)**

**bigotii** (*sub Bigotii*) [*Mallophora*]. E. Lynch Arribáizaga 1883: 6–10. Buenos Aires Prov.

**Two synt.** pinned, a piece of red paper, reverse white; "M. Bigoti / Lynch Arrib. / Det. Gemignani [handwr.] / Mus. Nac. Hist. Natural Buenos Aires [print.]", black frame; **one of them** also "Mallophora / bigoti Lynch [handwr.] / Det. J.N. Artigas 75 [print.]", black frame. "MACN-En / 7615 [7616]" print., reverse.

*Note:* Recorded as *Mallophora bigotii* by Martin & Papavero (1970: 73).

**busiris** (*sub Busiris*). [*Phonicocleptes*]. E. Lynch Arribáizaga 1881: 21–22. Buenos Aires Prov.: Chacabuco.

**One synt.** pinned, mesonotum damaged, "Phonicocleptes / Busiris / Lynch A." handwr., blue ornamented frame, two borders created; "Holotipo [print.] / Phonicocleptes / busiris Lynch A. [handwr.] / G. Lamas des. 1972 [print.]" on yellowish orange paper, remainings of a black frame. "MACN-En / 7620" print., reverse.

*Notes:* No types were originally designated, so the label "Holotipo" is puzzling. Recorded as *Phonicocleptes busiris* by Martin & Papavero (1970: 28).

**colalao** [*Prolepsis*]. Lamas 1973a: 23, 41–43, f. 19, 20, 36, 54, 74–76. Tucumán Prov.: San Pedro

de Colalao, **type**. Jujuy, Mendoza, and Salta Prov., **parat.** in **MACN**; Catamarca Prov.

**One parat.** pinned, a plastic microvial with dissected parts, "Salta" handwr. on green paper; "315" handwr., red frame; "Prolepsis / colalao Lamas [handwr.] / G. Lamas M. det. 70 [print.]", black frame. **Five parat.** pinned, one with a plastic microvial with dissected parts, one with wings damaged and glued, one without head and with only one wing; "7273" handwr., red frame; "Jujuy" handwr. on green paper, black frame. **Two parat.** pinned, "7848" handwr., red frame; "Cacheuta" handwr. on green paper, black frame. **All:** "Paratipo" print. on red paper. "MACN-En / 7621 [7622 through 7628]" print., reverse.

*Notes:* The entry 7273 in the old register book of the Museum refers to a large assemblage of insects from Jujuy Prov., Spegazzini leg.; the entry 7848 to a large assemblage of insects from Mendoza Prov.: Cacheuta, Spegazzini leg.

**copelloi** (*sub Copelloi*). [*M.[allophora]*]. Gemignani 1930: 138. La Rioja Prov., 11762, Giacomelli leg., **holot.** ♂ in **MACN**.

**Holot.?** pinned, right hind leg and parts of other legs missing, «paratypus» handwr. with red ink on red painted paper; «Mallophora / copelloi / Gemign.» handwr. on grayish white paper; «11762» handwr., red frame; «La Rioja» handwr. on green paper, black frame, reverse white; «synonymous of / *M. robusta* (Wied.)» typed; "Museo Nacional / Buenos Aires" handwr. "MACN-En / 7617" print., reverse.

*Notes:* Only the holotype was mentioned, so the label "paratypus" is puzzling. Recorded as *Mallophora copelloi* by Martin & Papavero (1970: 73).

**costalis** [*Dasygogon*]. E. Lynch Arribálzaga 1880: 29–33. Buenos Aires: Belgrano.

**One synt.** pinned, left wing missing, right one damaged, "♀" print.; a small square of dirty white paper; "Dasygogon / costalis E.L.A." handwr., folded; "Sintipo" handwr. on pink paper. "MACN-En / 7674" print., reverse.

*Notes:* Belgrano is now a district in Buenos Aires City. Recorded as "Gen.? *costalis*" by Martin & Papavero (1970: 88), who add that the neotropical species of *Dasygogon* probably refer to another genus.

**cruentus** [*Proctacanthus*]. E. Lynch Arribálzaga 1880: 364–265. Misiones.

**One synt.** pinned, head, end of abdomen and hind right leg missing, "Proctacanthus / cruen-

tus E. L. Arr." handwr.; "HOLOTIPO [print.] / Proctacanthus / cruentus Lynch / Arrib. [handwr.] / G. Lamas des. 1972 [print.]" on orange paper, remainings of a black frame. "MACN-En / 7676" print., reverse.

*Note:* No types nor the amount of spec. examined were originally mentioned, so the label "Holotipo" is puzzling.

**dallasi** (*sub Dallasi*) [*Mallophora*]. Gemignani 1931: 264–265. "Chaco-Formosa", 26719, **holot.** ♂, **allot.** ♀ in **MACN**.

**Holot.** ♂, **allot.** ♀ pinned, the **allot.** with a part of the abdomen glued on a card, "Holotipo ♂" ["Alotipo ♀"] handwr.; "Holotypus" ["Alotipo"] handwr. with black ink on red painted paper; "Chaco Formosa / III.85 / Asilitae" handwr., folded (I glue the unfolded label on a piece of stronger paper); "Mallophora / Dallasi / Gemignani" handwr.; "synonymous of / *M. robusta* (Wied.)" typed, folded; "Museo Nacional / Buenos Aires" handwr. "MACN-En / 7612 [7613, 7614]" print., reverse.

*Notes:* There is a spec. labeled "Paratipo" from Paraguay, but neither a parat. nor Paraguay were mentioned in the original description; see at the corresponding list, below. Recorded as *Mallophora dallasi* by Martin & Papavero (1970: 74). The entry 26719 in the register book of the Entomological Division of the Museum refers to three asilids from "Chaco, Formosa" (*sic*) III.1885, probably from the trip to both prov. performed by Lynch Arribálzaga.

**dissona** [*Cylicomera*]. Lamas 1973a: 19, 25, 28–30, f. 17, 25, 40, 60, 98–100. Tucumán Prov., San Pedro de Colalao, **holot.** ♂, **parat.** ♂, ♀. Chubut Prov., Burmeister, **parat.** in **MACN**. Río Negro Prov.: Río Colorado. Buenos Aires Prov.: F. Solá. Santiago del Estero Prov.: Mistol and Icaño.

**Two parat.** pinned, "922" handwr., red frame; **two parat.** pinned, "Chu- / but" print. on greenish gray paper. **All:** "Paratipo" print. on red paper, black frame; "Cylicomera / dissona Lamas [handwr.] / Lamas det. 1972 [print.]", remainings of a black frame. "MACN-En / 7629 [7630, 7631, 7632]" print., reverse.

**doellojuradoi** (*sub Doello-Juradoi*) [*Mallophora*]. Gemignani 1930: 136–137. Jujuy Prov., 17360, Zotta leg., **holot.** ♂, **allot.** ♀ in **MACN**.

**Holot.** ♂, **allot.** ♀, **two parat.** pinned, "17360" handwr., red frame; "Holotipo ♂" ["Allotipo ♀", "Paratipo"] handwr.; "Mallophora / Doello-

Juradoi / Gemign.” handwr., remainings of a black frame; “synonymous of / *M. aeaca* Will.” typed; “Museo Nacional / Buenos Aires” handwr.; “Holotypus [Allotypus, Paratypus, Paratypus] / *M. doellojuradoi* (sic) [doellojuradoi, doellojuradoi, doellojuradoi] / Gemignani” handwr. on reddish orange paper. “MACN-En / 7607 [7608, 7609, 7610]” print., reverse.

*Notes:* The parat. were not mentioned, but otherwise the labels seem authentic. The entry 17360 in the register book of the Entomological Division of the Museum reads “Jujuy, XI-XII.1925, excurs. Pozzi & Zotta”. Recorded as *M. doellojuradoi* by Martin & Papavero (1970: 74).

**dureti** [*Mallophora*]. Artigas & Angulo 1980: 16, 60–63, f. 37, 83–85, 122, 141. Salta Prov.: Orán, **holot.** ♂ in Mus. Univ. Concepción, Chile. **One [parat.]** ♂ Chaco Prov., 6878, in **MACN**. Many ♂, ♀ from Argentina, Bolivia, Paraguay.

**One parat.** ♂ pinned, pin broken (I remount in double mounting, with a piece of cork), “6878” handwr., red frame; “Chaco” handwr. on green paper, black frame, reverse white; “116” handwr.; “Paratypus / Mallophora / dureti Artigas / + Angulo” handwr. on red paper, black frame; a transparent plastic rectangle with a black grid; “Museo Nacional / Buenos Aires” handwr. “MACN-En / 7611” print., reverse.

*Note:* The entry 6878 in the old general register book of the Museum refers to 15 dipters from Chaco Prov., Lynch Arribálzaga leg.

**fax** [*Tolmerolestes*]. E. Lynch Arribálzaga 1881: 30–32. Buenos Aires Prov.: Baradero.

**fax** [*Prolepsis*]: Lamas 1973a: 36–38, f. 14, 39, 55, 77–79. *Nova combin.*

**One synt.** pinned, “Merced. / E. Gonz. / I/81” handwr.; “Tolmerolestes / fax E. Lch. A.” handwr. by Lynch Arribálzaga; “Prolepsis fax / (L. Arrib.) [handwr.] / G. Lamas det. 1972 [print.]”, remainings of a black frame. “MACN-En / 7619” print., reverse.

*Notes:* The localities differ, Baradero against Mercedes, but otherwise the labels seem authentic. Recorded as *Prolepsis fax* by Lamas (1973a: 36–38), who did not found the type in MACN, and put *T. brethesi* Gemignani as a new synonym.

**ferrugineus** [*Allopogon*]. E. Lynch Arribálzaga 1880: 182–183. Mendoza Prov., ♀.

**ferrugineus** [*Diogmites*]: Martin & Papavero 1970: 25.

**One synt.** pinned, only head, tórax, anterior segment of abdomen, and forelegs extant, rest of ab-

domen, wings and middle and hind legs missing, “Men / doza” print. on green paper; “Allopogon ferrugineus / (Tipo) E. Lch. A.” handwr., folded in four: “HOLOTIPO [print.] / Allopogon / ferrugineus / Lynch Arrib. [handwr.] / G. Lamas des. 1972 [print.-.]” on orange cardboard, remainings of a black frame; “Diogmites / ferrugineus / Lynch Arrib. [handwr.] / G. Lamas det. 1972 [print.]”, remainings of a black frame. “MACN-En / 7672” print., reverse.

*Note:* Recorded as *Diogmites ferrugineus* by Martin & Papavero (1970: 25).

**fraterna** [*Cylicomera*]. F. (sic) Lynch Arribálzaga 1881: 117–119, Buenos Aires Prov.: Chacabuco, ♂ and ♀ in copula.

**Lectot.** ♀ in double mounting, “♀” handwr.; “Chacabuco” handwr.; “Cylicomera / fraterna F. (sic) Lch. A.” handwr., folded; “Lectotipo [print.] / Cylicomera fraterna / Lynch Arribálzaga [handwr.] / G. Lamas des. 1972 [print.]” on yellowish orange paper, black frame; “Cylicomera rubro- / fasciata L. Arrib. [handwr.] / G. Lamas det. 1972 [print.]”, remainings of a black frame. “MACN-En / 7633” print., reverse.

*Notes:* The name is perhaps due to Enrique Lynch Arribálzaga, but it reads F [élixir]. Synonymized with *C. rubrofasciata* Lynch Arribálzaga, and lectot. ♀ designated, by Lamas (1973a: 25–28). See under *rubrofasciata* in this list, below.

**indecisa** [*Prolepsis*]. Lamas 1973a: 21, 25, 31–33, f. 7, 38, 56, 71–73. Tucumán Prov.: Tucumán, the “**serie típica**”; La Rioja, Catamarca and Jujuy Prov., in **MACN**. Santiago del Estero Prov.: Icaño, in **Mus. Paris**. Catamarca Prov. in **Instituto Fundación Miguel Lillo**.

**One parat.** pinned, pin broken, remounted in double mounting with a piece of cork, hind tarsus glued, “7273” handwr., red frame; “Jujuy” handwr. on green paper, black frame, a plastic microvial. **Three parat.** pinned, “21982” [“21982”, “21983”] handwr., red frame, the third one with a plastic microvial; “Catamarca / Concepción / M. Gómez III.28” handwr. **One parat.** pinned, “30212” handwr., red frame; “Argentina / Catamarca” print., black frame. **One parat.** on a card, “La Rioja” handwr., on pale green paper, black frame; “12171” handwr., red frame. **All:** “Paratipo” print. on red paper; “Prolepsis indecisa / sp.n. [handwr.] / G. Lamas M. det. 70 [print.]”, black frame. “MACN-En / 7634 [7635 through 7639]” print., reverse.

*Note:* The entry 12171 in the register book of the Entomological Division refers to 75 dipters from

La Rioja Prov.; the entries 21982 and 21983 refer to 3 Asilids from Catamarca Prov.: Concepción de Catamarca III.1928, M. Gómez leg.; the entry 30212 refers to one Asilid from Catamarca Prov., M. Gómez leg.

**infumatus** [*Allopogon*]. E. Lynch Arribálzaga 1880: 183–185; 1881: 17–18. Buenos Aires: San José de Flores.

**infumata** [*Aczelia*]: Martin & Papavero 1970: 37.

**One synt.** ♂ pinned, “♂” handwr.; “Allopogon infumatus / E. Lynch A. / (Tipo)” handwr. by Lynch Arribálzaga, folded; “Holotipo [print.] / Allopogon / infumatus / Lynch Arrib. [handwr.] / G. Lamas des. 1972 [print.]” on yellowish orange paper, remainings of a black frame; “Aczelia / infumata (L. Arrib.) [handwr.] / G. Lamas M. det. 71 [print.]”, black frame. “MACN-En / 7671” print., reverse.

**Notes:** San José de Flores is now a district in Buenos Aires City. Recorded as *Aczelia infumata* by Martin & Papavero (1970: 37).

**lugubris** [*Mallophora*]. E. Lynch Arribálzaga 1880: 252–254, Misiones Prov. ♂, ♀.

**One synt.** ♂ pinned, head missing, “♂” handwr.; “Mallophora / lugubris E. Lch. A.” handwr. by Lynch Arribálzaga, folded; a small square piece of green paper, very dirty (I wash it with ethanol); “Misio- / nes” print.; “M. lugubris / E. Lynch Arr. [handwr.] / Mus. Nac. Hist. Natural Buenos Aires [print.]”, black frame; “Mallophora / lugubris / Lynch A. [handwr.] / Det. J.N. Artigas 75 [print.]”, black frame. “MACN-En / 7675” print., reverse.

**Notes:** Recorded as *Mallophora lugubris* by Martin & Papavero (1970: 74). There is a spec. labeled “Holotypus” from Formosa Prov. III.1885, not mentioned in the original description, and collected later. See at the proper list, below.

**lynchi** (*sub Lynchi*) [*M.[allopogon]*]. Gemignani 1930: 141. Jujuy Prov., 17364, **holot.** ♂.

**Holot.** ♂ pinned, middle right leg missing; “Holotipo / ♂” handwr. on red paper; “17364” handwr., red frame; “Mallophora / Lynchi Gemign.” handwr.; “synonymous of / M. atra (Macq.)” typed; “Museo Nacional / Buenos Aires” handwr. “MACN-En / 7606” print., reverse.

**Notes:** Recorded as *Mallophora lynchi* by Martin & Papavero (1970: 75). The enter 17364 in the register book of the Entomological Division refers to one asilid from Jujuy Prov. XI-XII.1925, leg. Pozzi & Zotta.

**pluto** (*sub Pluto*) [*Tolmerolestes*]. E. Lynch Arribálzaga 1881: 111–114. Buenos Aires Prov.: Mercedes, San José de Flores, and Baradero.

**pluto** [*Prolepsis*]: Lamas 1973a: 38–40. *Nov. comb.*, and lectot. designation.

**Lectot.** pinned, “Baradero” handwr.; “Tolmerolestes / Pluto E. Lch. A.” handwr. by Lynch Arribálzaga, folded; “Lectotipo [print.] / Tolmerolestes / pluto Lynch Arrib. [handwr.] / G. Lamas des. 1972 [print.]” on yellowish orange paper, remainings of a black frame; “Prolepsis pluto / (Lynch Arrib.) [handwr.] / G. Lamas det. 1972 [print.]”, remainings of a black frame. “MACN-En / 7640” print., reverse.

**Notes:** San José de Flores is now a district of Buenos Aires City. Recorded as *Prolepsis pluto* new combination, with *T. rubripes* Lynch Arribálzaga as a new synonym, by Lamas (1973a: 38–40), who designates lectot. of both names.

**rubripes** [*Tolmerolestes*]. E. Lynch Arribálzaga 1881: 114–115. San Luis Prov. XII.1879.

**Holot.?, lectot.?** pinned, “S. Luis / 12/79 / E. Aguirre” handwr.; “Tolmerolestes / rubripes E. Lch. Arr.” handwr. by Lynch Arribálzaga, folded; “Holotipo [print.] / Tolmerolestes / rubripes Lynch A. [handwr.] / G. Lamas des. 1972 [print.]” on yellowish orange paper, remainings of a black frame; “Prolepsis pluto / (Lynch Arrib.) [handwr.] / G. Lamas det. 1972 [print.]”, remainings of a black frame. “MACN-En / 7641” print., reverse.

**Notes:** A synonym of *Prolepsis pluto* fide Lamas (1973a: 38–40), who designated a lectot., but did not so label the spec. The type condition is doubtful.

**rubrofasciata** [*Cylicomera*]. E. Lynch Arribálzaga 1881: 119–121. Buenos Aires Prov.: Chascomús & Chacabuco.

**rubrofasciata** [*Cylicomera*]: Lamas 1973a: 25–28. lectot. designated, and synonymized with *C. fraterna* Lynch Arribálzaga.

**Lectot.** ♀ on double mounting, with a piece of cork, “♀” handwr.; “Cylicomera / rubro-fasciata / E. Lch.” handwr. by Lynch Arribálzaga, folded; “Lectotipo [print.] / Cylicomera / rubrofasciata / Lynch Arribálzaga [handwr.] / G. Lamas des. 1972 [print.]” on yellowish orange paper, black frame; “Cylicomera / rubrofasciata / Lynch Arrib. [handwr.] / G. Lamas det. 1972 [print.]”, black frame. “MACN-En / 7642” print., reverse.

**Note:** Without locality label. Lamas (1973a: 25–28) put *C. fraterna* as a synonym, and designated lectot. ♀ of both names.

**tornowii** (*sub Tornowii*) [*Leptogaster*]. Brèthes 1905: 337–338. Tucumán Prov., five spec.

**tornowii** [*Psilonyx*]: Martin 1968: 4.

**Lectot.?, one paralect.?** pinned, “Argentina / Tucumán” print., black frame; “Cotypus [Typus]” print. on red paper, (the lectot. also “Lectotypus [print.] / *Psilonyx* / *tornowii* / (Brèthes) [handwr.] / Chas. H. Martin [print.]” on bright pink paper); “*Psilonyx* [print.] / *tornowii* / (Brèthes) [handwr.] / Det. C.H. Martin [print.]”, black frame (the paralect. also “*Leptogaster* / *tornowii* [handwr.] / Museo Argentino de Ciencias Naturales [print.]”, glued on bright pink hardboard. “MACN-En / 7677 [7678]” print., reverse.

*Notes:* Lectot. designation not found, perhaps not published. There are two **slides**, with an antenna, and with mouth parts and an antenna, respectively, in slide coll. *sub* L5 and L6, without “type” labels. Currently in family Leptogastridae

**venustula** [*Atomosia*]. E. Lynch Arribáizaga 1880: 50–51. “Gran Chaco”, and Buenos Aires Prov.: Las Conchas, ♀.

**One synt.** pinned, left wing missing, “*Atomosia* / *venustula* / E. Lch. A.” handwr., folded in four; “*Sintipo*” handwr. on pink paper. “MACN-En / 7673” print., reverse.

*Note:* Las Conchas is an old name of Tigre.

**xanthopogon** [*Asilus* (*Proctacanthus*)]. Burmeister 1861: 1: 317, 3: 171. Mendoza & Tucumán Prov. [both with very brief descriptions].

**xanthopogon** [*Asilus* (*Proctacanthus*)]: Lamas 1973b: 59–62. Lectot. designated.

**Lectot.** pinned, “Mendo- / za” print. on green paper; “334” [or 234?] handwr., red frame; “Lectotipo [print.] / *Asilus* (*Proctacanthus*) / *xanthopogon* / Burmeister [handwr.] / G. Lamas des. 1972 [print.]” on yellowish orange paper, remainings of a black frame. “MACN-En / 7618” print., reverse.

*Notes:* The availability of the name is somewhat dubious, as the descriptions are extremely brief. Recorded as *Eccritosisia rubriventris* (Macquart) by Carrera (1960: 50–51), by Martin & Papavero (1970: 61–62), and by Artigas (1970: 279–281); all three synonymize *xanthopogon*, *speciosus* and *barbiellinii* with *rubriventris*. Lectot. designated by Lamas (1973b: 59–62), who adds *wirthi* as a further synonym.

**zottai** (*sub Zottai*) [*Mallophora*]. Gemignani 1930: 141–142. Jujuy Prov. 17362 **holot.** ♀ in MACN.

**Holot.** ♀ pinned (I glue some detached parts to cards), “Holotipo / ♀” handwr. on red paper; “17362” handwr., red frame; “*Mallophora* / *zottai* / Gemignani” handwr.; “M. Zottai / Gemignani [handwr.] / Mus. Nac. Hist. Natural Buenos Aires [print.]”, black frame; “Museo Nacional / Buenos Aires” handwr. “MACN-En / 7605” print., reverse.

*Notes:* Recorded as *Mallophora zottai* by Martin & Papavero (1970: 76). The entry 17362 in the register book of the Entomological Division of the Museum refers to an asilid from Jujuy Prov., leg. Pozzi & Zotta, XI-XII.1925.

## Syrphidae

**albitarsis** [*Phalacromyia*]. F. Lynch Arribáizaga 1892: 244–245. “Altas Misiones”, Millot, **one** ♀.

**albitarse** [*Copestylum*]: Thompson, Vockeroth & Sedman (1976: 71). *Nova combin.*

**Holot.** pinned, “Typus” print. with red ink, red frame; “Altas Misiones” handwr., folded; “Holotypus” print. on pink paper, remainings of a black frame; “*Phalacromyia* / *albitarsis* / F. Lynch a.” handwr. “MACN-En / 7643” print., reverse.

*Notes:* Recorded as *Copestylum albitarse*, new comb., by Thompson, Vockeroth & Sedman (1976: 71). Under “Altas Misiones” the area covered by the jesuitical missions, in Argentina and Paraguay, is probably meant.

**ambrosettii** [*Volucella*]. F. Lynch Arribáizaga 1892: 179–180. Misiones Prov.: Moconá, leg. Ambrosetti, ♂, ♀.

**ambrosettii** [*Copestylum*]: Thompson, Vockeroth & Sedman 1976: 71. *Nova combin.*

**Two synt.** pinned, one without head, “Typus” print. with red ink, red frame; “Misiones [Misiones / Ambrosetti]” handwr., folded; “*Volucella* [V.] / *Ambrosetti*” handwr., folded; “*Syntypus*” print. on red paper, one of them “390”, “163” handwr., red frame, and “V. / ambrosetti / F. Lynch Arribál.” handwr., green frame. “MACN-En / 7644 [7645]” print., reverse.

*Note:* Recorded as *Copestylum ambrosettii*, new comb., by Thompson, Vockeroth & Sedman (1976: 71).

**boliviana** [*Dolichogyna* (*D. [olichogyna]*)]. Lagrange 1993: 122–125, f. 9-16. Bolivia: Macizo Tunari 4300 m a.s.l., N°2296, **holot.** ♂, **parat.**, **four** ♂ *ex coll.* Zischka *in coll.* Duret.

**Holot.** ♂, a wing glued to the locality label, **four parat.** ♂, all pinned, “Bolivia / Tunari Massiv

[print.] (4300 m [handwr.] / ex coll. Zischka [print.]), black frame; “Museo de La Plata [print.]/Dolychogyna boli.-/viana [handwr.] Det. [print.] Lagrange 1991 [handwr.]”; “Holotipo” [“Paratipo”] print. on red paper, one parat. also: “Zischka coll.” handwr. “MACN-En / 7646 [7647 through 7650]” print., reverse.

**bonariensis** [*Baccha*]. Brèthes 1905: 340–341, f. 1, 3. Buenos Aires: Palermo, **one spec.** in Museo Nacional (=MACN).

**bonariensis** [*Ocyptamus*]: Thompson, Vockeroth & Sedman 1976: 71. *Nova combin.* Typus in MACN.

**Holot.** pinned, head missing, *puparium* on a pointed card, “J. Brèthes / Buenos Aires / 9.XII:1904” handwr. by Brèthes, black frame; “Baccha/bonariensis/Brèt.” handwr. by Brèthes. “MACN-En / 7651” print., reverse.

*Notes:* Recorded as *Ocyptamus bonariensis*, new comb., by Thompson, Vockeroth & Sedman (1976:13), who say the ♂ type is in MACN. Palermo is a district in Buenos Aires City.

**bonariensis** [*Nausigaster*]. F. Lynch Arribálzaga 1892: 254–255. Buenos Aires City: Zoological Garden, leg. Holmberg, **one spec.**

**Holot.** pinned, head missing, “Typus” print. with red ink, red frame; “2163” handwr.; “Holotypus” print. on pink paper, remainings of a black frame; “Nausigaster / bonariensis n. sp. / Palermo” handwr. “MACN-En / 7652” print., reverse.

*Notes:* Recorded as *Nausigaster bonariensis* by Thompson, Vockeroth & Sedman (1976: 92), who say the ♂ type is in MACN. The Zoological Garden lies in the Palermo district of Buenos Aires City.

**brethesi** (*sub Brèthesi*) [*Lepidostola*]. Shannon 1928: 573–574. Bolivia: Sara Prov. One ♂ 11863 in Museo Nacional (=MACN), leg. Steinbach 1916.

**brethesi** [*Lepidomyia*]: Thompson, Vockeroth & Sedman 1976: 88.

**Holot.** ♂ pinned, head missing, “11863” handwr., red frame; “Bolivia” handwr. on green paper, black frame, reverse white; “Lepidostola / Brèthesi Shann.” handwr.; “pulchra Will. / Bolivia” handwr., black frame; “Lepidostola / Mik” handwr., black frame; “iTypus!” handwr. by Brèthes? “MACN-En / 7681” print., reverse.

*Note:* *Lepidostola* Mik 1886 is an unjustified new name for *Lepidomyia* Loew 1864, *vide* Thompson, Vockeroth & Sedman (1976: 88).

**dactylopius** [*Salpingogaster*]. Blanchard 1938: 348–351, f. 2, 8. Catamarca Prov.: Los Armadores 17.III.1938. Entre Ríos Prov. 26.IV.1937(*sic, pro* 1937). Parasite on the coccid *Dactylopius indicus*, leg. Hayward, *cotypi* in author’s collection.

**One slide** with two wings, “Salpingogaster / dactylopius / Blnchd. [handwr. by Blanchard] / Lab. Zoología Agrícola / det. [print.]”, in slide collection *sub* S 47. “MACN-En / 7679” print.

*Notes:* The spec. were not found. The slide has no type label.

**fuscicosta** [*Ocyptamus*]. F. Lynch Arribálzaga 1891: 255–256. Buenos Aires Prov.: Chacabuco and La Plata, **two spec.**, the second one in Mus. La Plata.

**One synt.** in double mounting, with *minutie* and a card, “Chacabuco” handwr. on grayish (dirty) paper; “Ocyptamus / fuscicosta / F. Lynch A.” handwr., with a blue, ornated frame, folded and glued. “MACN-En / 7653” print., reverse.

*Note:* Recorded as *Ocyptamus fuscicosta* by Thompson, Vockeroth & Sedman (1976: 18), who say the types are in MACN and Mus. La Plata.

**grandis** [*Argentinomyia*]. F. Lynch Arribálzaga 1892: 255–256. Misiones Prov.: Fracrao (*sic, pro* Fracrán), [seemingly a single ♂ (“*organa copulatoria obscure picea*”)].

**Holot.? one synt.?** pinned, “Misiones / Ambrosetti” handwr. on grayish (dirty) paper; “Argentinomyia / grandis / F. Lynch A.” handwr., with a blue, ornated frame, folded. “MACN-En / 7654” print., reverse.

*Note:* Recorded as *Argentinomyia grandis* by Thompson, Vockeroth & Sedman (1976: 57), who say the type is in MACN.

**insularis** [*Tropidia*]. F. Lynch Arribálzaga 1892: 238–240. Paraná River Delta, Antequera Is., **one ♂, one ♀** leg. Holmberg.

**One synt.** pinned, damaged, “Typus” print. with red ink, red frame; “Isla Antequera” handwr., folded; “163”, “424” handwr., red frame; “Syntypus” print. on pink paper, remainings of a black frame “Tropidia / insularis / F. Lynch a.” handwr. by Lynch Arribálzaga. “MACN-En / 7655” print., reverse.

*Note:* Recorded as *Tropidia insularis* by Thompson, Vockeroth & Sedman (1976: 120), who say the types, ♂ and ♀, are in MACN. One synt. not found.

**limae** [*Mesograpta*]. Brèthes 1920: 30–31. Perú: Lima.

**limae** [*Toxomerus*]: Thompson, Vockeroth & Sedman 1976: 51. *Nova combin.*

**One synt.** pinned, head and parts of legs missing, "Lima / E. Martínez / II.1919" handwr., "type!" handwr.; "Mesograptia / limae Brèthes" handwr. by Brèthes; a rectangular piece of red paper. "MACN-En / 7656" print., reverse.

*Note:* Recorded as *Toxomerus limae* new comb. by Thompson, Vockeroth & Sedman (1976: 51).

**lizeri** (*sub Lizeri*) [*Helophilus*]. Brèthes 1914: 97–98. Córdoba Prov.: La Cumbre, **one** ♂.

**lizeri** [*Habromyia*]: Thompson, Vockeroth & Sedman 1976: 101. *Nova combin.*

**Holot.** pinned, "120" handwr.; "Helophilus / Lizeri Brèthes" handwr. by Brèthes; "Holotypus [print.] / lizeri Bretes (*sic*) [handwr.] [obverse] / Thompson / 97 [handwr., reverse]" on red paper, remainings of a black frame. "MACN-En / 7657" print., reverse.

*Note:* Recorded as *Habromyia lizeri*, new comb., by Thompson, Vockeroth & Sedman (1976: 101), who say *Meromacrus vittata* Hull 1937, from Tucumán, is a new synonym.

**missionera** [*Volucella*]. F. Lynch Arribáizaga 1892: 184. Misiones: alto [río] Uruguay, two ♀, may be = *V. punctigera*, described from ♂.

**missionera** [*Copestylum*]: Thompson, Vockeroth & Sedman 1976: 79. *Nov. combin.*

**One synt.** ♀ pinned, left wing and some legs missing, "Typus" print. with red ink, red frame; "V. missionera / n. sp. / Misiones, Ambrosetti" handwr. by Lynch Arribáizaga, folded; "Syntypus" print. on red paper, remainings of a black frame. "MACN-En / 7658" print., reverse.

*Note:* Recorded as *Copestylum missionera*, new comb., by Thompson, Vockeroth & Sedman (1976: 79), who say the type, a ♀, is in MACN.

**nectarinoides** [*Promilesia*]. F. Lynch Arribáizaga 1892: 243–244. Chaco Prov., Misiones Prov.: Santa Ana and Moconá. It could be a parasite of a species of *Nectarina.*, like *N. lechiguana* [Hymenoptera].

**nectarinoides** [*Meromacrus*]: Thompson, Vockeroth & Sedman 1976: 112. *Nova combin.*

**One synt.** pinned, a square piece of very dirty paper, illegible; "Promilesia / nectarinoides / F. Lynch" handwr. by Lynch Arribáizaga, with blue, ornated frame, folded and glued. **One synt.** pinned, "Typus" print. with red ink, red frame; "Mision." handwr., torn; "163", "425" handwr., red frame; "Syntypus" print. on red paper, remainings of a black frame; "Promilesia / necta-

rinoides / F. Lynch a." handwr., cut. "MACN-En / 7659 [7660]" print., reverse.

*Note:* Recorded as *Meromacrus nectarinoides* new comb. by Thompson, Vockeroth & Sedman (1976: 112), who say the types could be in MACN.

**obscuripennis** [*Volucella*]. F. Lynch Arribáizaga 1892: 180. Misiones Prov. Monteagudo, near Uruguay River, Picada de Paggi, leg. Ambrosetti.

**obscuripennis** [*Copestylum*]: Thompson, Vockeroth & Sedman 1976: 80. *Nova combin.*

**One synt.** pinned, "Typus" print. with red ink, red frame; "Misiones / Monteagudo / Amb." handwr.; "163" handwr.; "Syntypus" print. on red paper, remainings of a black frame; "Volucella / obscuripennis / F. Lch. a." handwr. by Lynch Arribáizaga, folded; "V:/ obscuripennis / F. Lynch Arribál." handwr., green frame. "MACN-En / 7661" print., reverse.

*Note:* Recorded as *Copestylum obscuripenne* new comb. by Thompson, Vockeroth & Sedman (1976: 80), who say the type could be in MACN.

**picturata** [*Volucella*]. F. Lynch Arribáizaga 1892: 184–185. Misiones Prov.: depart. Monteagudo, Picada Paggi, near Uruguay River, leg. Ambrosetti, **two** ♀.

**picturatum** [*Copestylum*]: Thompson, Vockeroth & Sedman 1976: 82. *Nova combin.*

**One synt.** ♀ pinned, right wing extended, left wing backdriven over the abdomen, "Typus" print. with red ink, red frame; "Misiones / Ambr." handwr.; "V. picturata / F. Lch. A." handwr.; "V. / picturata / F. Lynch Arribál." handwr., green frame. "MACN-En / 7662" print., reverse.

*Notes:* Recorded as *Copestylum picturatum* new comb. by Thompson, Vockeroth & Sedman (1976: 82), who say the ♀ types are in MACN. One synt. not found.

**planifrons** [*Masarygus*]. Brèthes 1909: 442–443, f. a–g. Buenos Aires: Urquiza 8.XII.1908, **one** ♂, **one** ♀ in Museo Nacional (=MACN), the ♂ look like *Odontomyia inermis*, Stratiomyidae; they were repelled by ants (*Camponotus mus*) at a heavily bored wooden pillar; *sub* Masarygidae nov.

**planifrons** [*Microdon (Masarygus)*]: Thompson, Vockeroth & Sedman 1976: 61.

**Four synt.** pinned, "Bs. Aires [on one: 8.XII.08] / 8.XII.08 [on one: Bs. Aires] / J. B." handwr. by Brèthes, black frame; "Masarygus / planifrons" handwr. by Brèthes; "Syntype" handwr. on red paper. "MACN-En / 7663 [7664, 7665, 7666]" print., reverse.

*Notes:* Recorded under *Microdon (Masarygus)* by Thompson, Vockeroth & Sedman (1976: 61), who say the types, ♂ & ♀, are in MACN, and in Mus. Civ. Milano, Italy, where they examined them. Urquiza is a district in Buenos Aires City.

**rubriventris** [*Microdon*]. F. Lynch Arribálzaga 1891: 128–129. Buenos Aires Prov. Chacabuco; abundant in spring; near *M. bidens*.

**One synt.** in double mounting, with the pointed half of a pin and a block of cardboard, “Chacabuco” handwr. on dirty white paper; “Microdon / rubriventris [hardly legible] / Lynch” handwr., folded, glued, with several pinholes, with a blue, ornamented frame. I add: “Microdon / rubriventris / Lynch Arrib.” handwr., black frame. “MACN-En / 7682” print., reverse.

*Note:* Recorded under *Microdon (Microdon)* by Thompson, Vockeroth & Sedman (1976: 66), who say the type may be in MACN.

**spinithorax** [*Temnocera*]. F. Lynch Arribálzaga 1892: 190–192. **Type** ♀ from Chaco Prov.: Azara, leg. Boman, XI.1888, in “Esc. Normal de Profes., B. Aires”. **Five spec.** ♂, ♀, Misiones, trip from high Uruguay River to high Paraná River, leg. Ambrosetti.

**spinithorax** [*Copestylum*]: Thompson, Vockeroth & Sedman 1976: 84. *Nov. comb.*

**Holot.** pinned, abdomen and one leg glued to a card, “Typus” print. with red ink, red frame; “Azara / IV.16.89 / Bm” handwr.; “Holotypus” print. on pink paper, remainings of a black frame; “Temnocera / spinithorax / F. Lynch a.” handwr. by Lynch Arribálzaga. Three **parat.?** on one pin, “Temnocera / spinithorax / n. sp.” handwr. by Lynch Arribálzaga. “MACN-En / 7667 [7668, 7669, 7670]” print., reverse.

*Notes:* Recorded under *Copestylum* by Thompson, Vockeroth & Sedman (1976: 84), who say the type ♀ is in MACN. The dates differ, but otherwise the labels seem authentic.

**tibialis** [*Volucella (Volosyrpha)*]. Shannon 1928: 575–576. Misiones Prov., type ♀ in Museo Nacional (=MACN), sub 7600, Spegazzini leg. 1907. Type species of the new subgenus.

**Holot.** ♀ pinned, one hind leg detached and glued to a card, “7600” handwr., red frame; “Misiones” handwr. on green paper, black frame, reverse white; “Volucella / tibialis Snn.” handwr.; “iTypus!” handwr. “MACN-En / 7680” print., reverse.

*Notes:* Recorded as *Copestylum rufitarse nom. nov. pro tibiale* Shannon non Macquart 1846, and

type ♀ in Museo Nacional, Buenos Aires, *vide* Thompson, Vockeroth & Sedman (1976: 3).

#### TYPES DEEMED TO BE HOUSED IN THE MUSEUM BUT NOT FOUND

#### Asilidae

**bergii** (*sub Bergii*). [*Mallophora*]. E. Lynch Arribálzaga 1880: 257–259; 1883: 10–12. ♂, Uruguay: Montevideo.

*Notes:* A synonym of *M. pica* Macquart *vide* Gemignani (1930: 139–140). Recorded as *Mallophora bergii* by Martin & Papavero (1970: 73). Type(s) not found.

**cruentus** [*Proctacanthus*]. E. Lynch Arribálzaga 1880: 264–265. Misiones Prov., ♀.

*Notes:* Recorded as *Proctacanthus cruentus* by Martin & Papavero (1970: 78). Type not found.

**cuyanus** [*Asilus*]. E. Lynch Arribálzaga 1880: 175–178. Mendoza Prov.

*Notes:* Recorded as “Gen.? *cuyanus*” by Martin & Papavero (1970: 88), who state that the genus is uncertain; *Asilus* is palaeartic. Type(s) not found.

**distinguendus** [*Scylaticus*]. E. Lynch Arribálzaga 1881: 121–124. Buenos Aires Prov.: Chacabuco, ♂, ♀, F. Lynch Arribálzaga leg.

*Notes:* Recorded as *Scylaticus distinguendus* by Martin & Papavero (1970: 17). Types not found.

**fasciata** [*Asicya*]. E. Lynch Arribálzaga 1880: 227–229. Buenos Aires Prov.: Baradero, collected on *Eucalyptus globulus*.

*Notes:* Recorded as *Laphystia fasciata* by Martin & Papavero (1970: 9). Type(s) not found.

**imitator** [*Asilus*]. E. Lynch Arribálzaga 1883: 79. Mendoza Prov., ♂, near *A. cuyanus*.

*Notes:* Recorded as “Gen.? *imitator*” by Martin & Papavero (1970: 89), who state that the genus is uncertain; *Asilus* is palaeartic. Type not found.

**leucophaea** [*Dasythrix*]. E. Lynch Arribálzaga 1880: 55–57. Buenos Aires, in Berg coll.

*Notes:* Recorded as ?*Nusa leucophaea* by Martin & Papavero (1970: 41). Type(s) not found.

**scutellaris** [*Mallophora*]. E. Lynch Arribálzaga 1880: 254–256, Misiones Prov., ♀ in bad condition.

*Notes:* Recorded as *Mallophora scutellaris* by Martin & Papavero (1970: 76). Type not found.

**tucma** (sub *Tucma*) [*Dicranus*]. E. Lynch Arribáizaga 1880: 26–28; 1881: 124. Tucumán Prov.

*Notes:* Recorded as *Dicranus tucma* by Martin & Papavero (1970: 76). Type(s) not found.

**violaceithorax** [*Ceratotaenia*]. E. Lynch Arribáizaga 1880: 52–55. Buenos Aires Prov.

*Notes:* Recorded as *Cerotainia violaceithorax* by Martin & Papavero (1970: 52). *Ceratotaenia* Sching. is an unjustified emendation of *Cerotainia* Sching 1866. Type(s) not found.

**vittatus** [*Proctacanthus*]. E. Lynch Arribáizaga 1880: 261–264. Misiones Prov., ♂, ♀

*Note:* Recorded as *Proctacanthus vittatus* by Martin & Papavero (1970: 79). Types not found.

## Syrphidae

**bonariensis** [*Microdon*]. F. Lynch Arribáizaga 1891: 194–195. Buenos Aires Prov.: Baradero, **one** ♀.

*Note:* Recorded under *Microdon* (*Microdon*) by Thompson, Vockeroth & Sedman (1976: 64), who say that the type should be in MACN. Type not found.

**dactylopianus** [*Salpingogaster*]. Blanchard 1938: 348–351, f. 2, 8. Catamarca Prov.: Los Armadores 17.III.1938; Entre Ríos Prov. 26.IV.1397 (*sic, pro* 1937), a parasite of the coccid *Dactylopius indicus*, leg. Hayward, “cotypi” [=synt.] in author’s collection.

*Note:* Types not found. A slide with wings is recorded in the main list, above.

**guntherii** (sub *Güntherii*) [*Holmbergia*]. F. Lynch Arribáizaga 1891: 197–198, f. 3. Near Buenos Aires City, **one spec.**, leg. Günther.

*Notes:* Recorded as *Microdon* (*Rhopalosyrphus*) *guentherii*, new comb., by Thompson, Vockeroth & Sedman (1976: 60), who say the type may be in MACN. Type not found.

**patagonus** [*Syrphus*]. F. Lynch Arribáizaga 1892: 115–116. Patagonia: [Santa Cruz Prov.]: Río Gallegos, **one spec.**, could be a variety of *S. 8-maculatus* Walker 1837.

*Note:* Recorded as *Syrphus octomaculatus*, new synonymy, along with *gayi* Macquart 1842 and *testastaceicornis* Macquart 1850, by Thompson,

Vockeroth & Sedman (1976: 60), who say the type(s) may be in MACN. Type not found.

**rospigliosii** (sub *Rospigliosii*) [*Volucella*]. Brèthes 1920: 31. Perú: Chanchamayo.

*Notes:* Recorded as *Copestylum rospigliosi*, new comb., by Thompson, Vockeroth & Sedman (1976: 83), who say the type may be in MACN. Type(s) not found.

**testaceipes** [*Argentinomyia*]. F. Lynch Arribáizaga 1891: 199–200, f. 4. Buenos Aires Prov.: Chacabuco, **one** ♀ on gramineous grasses.

*Notes:* Recorded under *Argentinomyia* (*Argentinomyia*) by Thompson, Vockeroth & Sedman (1976: 57), who say the type may be in MACN. Type not found.

**willistonii** (sub *Willistonii*) [*Mesograpta*]. F. Lynch Arribáizaga 1892: 54–55. Misiones, near Posadas.

*Notes:* Recorded under *Toxomerus* by Thompson, Vockeroth & Sedman (1976: 56), who say the type may be in MACN. Type(s) not found.

## SPECIMENS LABELED AS TYPES OF NOT PUBLISHED NAMES (*NOMINA NUDA*)

### Tabanidae

**brethesi** [*Agelanius*]. Barretto & Duret (*nomen nudum*).

**One spec.** ♀ pinned, “5583” handwr., red frame; “Nahuel / Huapi / (Río Negro)” handwr., black frame; “Agelanius / brethesi n. sp. Barretto et Duret, 955” handwr. **Two spec.**, pinned, “Lago Vintter / Chubut 10-11-66 / col. Ronderos” handwr. I add “Agelanius / brethesi n. sp. Barretto et Duret, 955” handwr. **All:** “Paratipo” print. on pink paper, black frame. “MACN-En 8410 [8411, 8412]” print., inverted.

**crinitus** [*Agelanius*]. Barretto & Duret (*nomen nudum*).

**One spec.** ♀ pinned, “Argentina [print.] / Pampa del Castillo [handwr.] / Chubut [print.]”, black frame; “29420” handwr., red frame; “Holotipo” print. on pink paper, black frame; “Agelanius / crinitus, n. sp. / Barretto et Duret, 955” handwr. “MACN-En 8413” print., inverted.

*Note:* The entry 29420 in the register of the Entomological Division of the Museum refers to three tabanids from Chubut Prov.: Pampa del Castillo, Castellanos & Pérez Moreau leg., en-

tered on III.1932. Recorded under *Dasybasis* by Coscarón (1962b: 52).

**dasytrichius** [*Agelanius*]. Barretto & Duret (*nomen nudum*).

**One spec.** ♀ on a pointed card, “Rio Negro / N. Huapi / Cerro López / M.A.C.N. / 30.I.934 [handwr. with pencil, obverse] / Daguerre / Col. [reverse]”; “Agelanius / dasytrichius, n. sp. / Barretto et Duret, 955” handwr.; “Holotipo” print. on pink paper, black frame; “Paratypus” print. on red paper; “Dasybasis ♀ [print.] / brethesi Cosc. + [handwr.] / C.B. Philip 1965 [print.]”.

*Note:* See also under *Dasybasis brethesi* Coscarón & Philip 1967a, at the main list, above.

**defectipennis**. [*Bellardia*]. Barretto & Duret (*nomen nudum*).

**One spec.** ♂ pinned, end of abdomen missing, “12171” handwr., red frame; “La Rioja” handwr. on green paper, black frame, reverse white; “Alotipo” print. on pink paper, black frame; “Bellardia / defectipennis, n. sp. / Barretto et Duret, 955” handwr.; “T-26” handwr. on green paper. “MACN-En 8414” print., inverted.

*Note:* The entry 12171 refers to 75 dipters from La Rioja Prov., entered on I.1919.

**discriminata** [*Amphichlorops*]. Barretto & Duret (*nomen nudum*).

**One spec.** pinned, with a leg on the label with a number, and the left wing glued to a pointed card; “17370” handwr., red frame; “Prov. de / Jujuy” handwr. **One spec.** pinned, both wings glued to a card, “30948” handwr., red frame; “Argentina / La Rioja” print., black frame; “Dichelacera / molle n. sp. / det. Coscarón 1966” handwr with blue ink. **Both:** “Paratipo” print. on pink paper, black frame, “Amphichlorops / discriminata, n. sp. / Barretto et Duret, 955” handwr. “MACN-En 8415 [8416]” print., inverted.

*Note:* The spec. of *Amphichlorops discriminata* Barretto & Duret, *nomen nudum*, have been designated by Coscarón as parat. of *Di cladocera molle*, *quo vide* at the main list, above, but the spec. from Jujuy Prov. bears no label written by Coscarón.

**dissimulata** [*Catachlorops*]. Barretto & Duret (*nomen nudum*).

**Seven spec.** pinned, wings deformed, the left one missing in one, the right one missing in another, “7600” handwr., red frame; “Misiones” handwr. on green paper, black frame, reverse white; “Paratipo” [“Paratypus”] print. on pink paper, black frame (on two); on yellowish or-

ange paper, black frame (on five). **Two spec.** “Catachlorops / dissimulata, n. sp. / Barretto et Duret, 955” handwr. I add similar labels to the remaining five. “MACN-En 8415 [through 8423]” print., reverse.

**dissimulata** [*Fidena*]. Barretto & Duret (*nomen nudum*).

**Four (five?) spec.**, pinned. **One spec.**, “Chaco / IV.922 / Rosenbusch” handwr.; “Erephopsis / ardens Wied.” handwr. by Brèthes? **One spec.**, a wing pierced with the pin, “802” handwr.; “Erephopsis / sorbens Wied. [handwr.] / Mus. Nac. Hist. Natural Buenos Aires [print.]”, black frame. **One spec.**, “12627” handwr. **One spec.**, “17104” handwr. red frame “Argentina / San Juan / Misiones” print., black frame. **All of these:** “Paratipo” print. on pink paper, black frame; “Fidena / dissimulata, n. sp. / Barretto et Duret, 955” handwr. **One spec.**, pinned, “17104” handwr., “Argentina / San Juan / Misiones” print., black frame; “F. dissimulator” handwr. with pencil by Duret. There is no “Paratypus” label.

*Note:* The entry 12627 in the register of the Entomological Division of the Museum refers to one dipter from Uruguay: Salto, leg Carcelles; the entry 17104 refers to fifteen tabanids from Misiones Prov.: San Juan, 8.III.1925 leg. M. Gómez.

**ejuncidus** [*Agelanius confirmatus subsp.*]. Barretto & Duret (*nomen nudum*).

**Fourteen spec.** pinned, **one** on a pointed card, its abdomen on a further pointed card. **Ten of them** “21750” handwr., red frame, **seven of these** “Argentina / Catamarca” print., black frame, **four of these** “Concepc.” handwr. **All of these:** “Paratipo” print. on pink paper, black frame; “Agelanius / confir- / matus ejuncidus / n. subsp. / Barretto et Duret 55” handwr. **Three spec.** “21968”, rest as the former. **One spec.** “22079” handwr., red frame; “Huachin (*sic*, *pro* Huanchin) / L. R.” handwr., red frame; rest as the former. “MACN-En 8384 [through 8397]” print., inverted.

*Note:* The entries 21750 and 21968 in the register book of the Entomological Division of the Museum refer to forty-one and seven tabanids from Catamarca Prov.: Concepción, II.1928 and III.1928, M. Gómez leg.; the entry 22079 refers to six tabanids from La Rioja Prov.: Huanchin, M. Gómez leg., all entered on XI.1928.

**exiguus** [*Stenotabanus*]. Barretto & Duret (*nomen nudum*).

**One spec.** with a double mounting (*minutiae* and a piece of cork), "11863" handwr., red frame; "Bolivia" handwr. on green paper, black frame, reverse white; "Holotipo" print. on pink paper, black frame; "Stenotabanus / exiguus n. sp. / Barretto et Duret, 1955" handwr. "MACN-En 8398" print., inverted.

*Note:* The entry 11863 refers to 1310 dipters from Bolivia: Sara Prov., sold by J. Steinbach, entered on XI.1916.

**flavonigra** [*Fidena*]. Barretto & Duret (*nomen nudum*).

**Three spec.** pinned, "Ampajuango / Catamarca" handwr. by Bruch; "Holotipo" ["Paratipo"] print. on pink paper, black frame; "Fidena / flavonigra n. sp. / Barretto et Duret, 955" handwr.; the "parat." also: "T-40 [28]" handwr. on green paper. "MACN-En 8399 [8400, 8401]" print., inverted.

**fulgens** [*Fidena*]. Barretto & Duret (*nomen nudum*).

**Three spec.** pinned, "Sn. Pedro Colalao / Tucum. 1100 m" handwr. by Bruch. **One spec.** pinned, "259" handwr., red frame; "Pangonia / lingens Burm." handwr. by Brèthes; "Erephosis (*sic*) / lingens / Burm. [handwr.] / Mus. Nac. Hist. Natural Buenos Aires [print.]" black frame. **One spec.** pinned, a wing pierced on the pin, "Salta" handwr. on green paper. **All five:** "Paratipo" ["Paratypus"] print. on pink paper [yellowish orange paper, black frame]; "Fidena / fulgens, n. sp. / Barretto et Duret, 955" handwr. "MACN-En 8402 [through 8406]" print., inverted.

**hastata** [*Di cladocera*]. Barretto & Duret (*nomen nudum*).

**One spec.** pinned, "Córdoba / Kurtz" handwr. with red ink on grayish white paper, folded; "Tabanus / uncinatus / Wulp [handwr.] / Mus. Nac. Hist. Natural Buenos Aires [print.]", black frame; "Paratipo" print. on pink paper, black frame; "Di cladocera / hastata, n. sp. / Barretto & Duret, 955" handwr. "MACN-En 8407" print., inverted.

**impermixtus** [*Poeciloderas*]. Barretto & Duret (*nomen nudum*).

**One spec.** ♂ pinned, "B. Aires / [?].II.1915 / J.B." handwr. by Brèthes; "Alotipo" print. on pink paper, black frame; "Poeciloderas / impermixtus, n. sp. / Barretto et Duret / 1955" handwr.; "T-35" handwr. on green paper. "MACN-En 8408" print., inverted.

**inconsuetus** [*Poeciloderas*]. Barretto & Duret (*nomen nudum*).

**One spec.** pinned, "277" handwr., red frame; "450" handwr.; "Paratipo" print. on pink paper, black frame; "Poeciloderas / inconsuetus, n. sp. / Barretto et Duret, 955" handwr. "MACN-En 8409" print., inverted.

**orfilai** [*Brachytabanus*]. Barretto & Duret (*nomen nudum*).

**Two spec.** pinned, «Argentina / Salta / Embarcación / Río Bermejo / 19-IV-916» handwr.; «Holotipo» [«Paratipo»] print. on pink paper, black frame; «Brachytabanus / orfilai n. sp. / Barretto et Duret, '55» handwr. **Seventeen spec.** pinned, "Paratypus" print. on yellowish orange paper, black frame. I add to them: "Salta: Embarcación: río Bermejo 19.IV.1916" and "Brachytabanus / orfilai n. sp. / Barretto et Duret, '55" handwr. "MACN-En 8365 [through 8383]" print., inverted.

*Notes:* A paper stripe for the whole series, on the bottom of the drawer, reads "Margen izquierda del Río Bermejo, en el cruce del F.C. Peña a Embarcación 19-IV-916" handwr. Recorded under *Stenotabanus* (*Brachytabanus*) by Coscarón & Papavero (1993).

SPECIMENS LABELED AS TYPES BUT  
PROBABLY NOT CONFORMING A TYPE  
SERIES

**Tabanidae**

**acer** [*Tabanus*]. Brèthes 1911: 478. Buenos Aires Prov.: Tandil.

**Ten spec.** labeled "Aloparatipo" handwr. on pink paper. **Spec. n° 1, 2** "Tabanus / lasiophthalmus Burm." handwr. by Brèthes; "274", "869" handwr., red frame; "Tabanus / lasiophthalmus / Burm. [handwr.] / Mus. Nac. Hist. Natural Buenos Aires [print.]" ; "Tabanus / acer Brèth. / Barr. et Dur. det. 955" handwr. **Spec. n° 3** "Tandil" handwr. by Bruch; "Tabanus / fuscifasciatus / Macq." handwr. by Bruch, red frame; "Tabanus / acer Brèth. / Barr. et Dur. det. 955" handwr. **Spec. n° 4, 5** "Adrogué / 28.I.26" handwr.; "Tabanus / acer Brèth. / Barr. et Dur. det. 955" handwr. **Spec. n° 6-9** "Bs. Aires [print.] / Miramar [handwr.]" on green paper; "Tabanus / acer Brèth. / Barr. et Dur. det. 955" handwr. **Spec. n° 10** "Pay / sandú" print. on green paper; "Tabanus / acer Brèth. / Barr. et Dur. det. 955" handwr.

*Note:* None of these was mentioned. See under

*T. acer* at the main list, above. See also under *Tabanus distinctus*.

**argentina** [*Chrysozona*]. Brèthes 1911: 483–484, 1 f. Chubut, San Juan and Catamarca Prov. **One spec.** pinned, “Vipos / Tucumán / 21-IV-60 / Capri-Hepper” handwr.; “Holotipo” print. on pink paper, black frame; “Dasybasis [print.] ♀ / argentina Bret. / Det. Coscarón & [handwr.] / C.B. Philip 1965 [print.]”.

*Notes:* Tucumán was not mentioned in the original description, and the spec. was collected much later. The lectot. and a paralect. are recorded in the main list, above.

**coscaroni** [*Fidena*]. Philip 1969: 109. *Nomen novum pro Fidena picea* Brèthes 1911: 472 non Thunberg 1827.

**One spec.** pinned, “6909” handwr., red frame; “Erephopsis / picea Brèth. [handwr.] / Mus. Nac. Hist. Natural Buenos Aires [print.]”, black frame; “Fidena picea / (Brèth.) / Barr. & Dur. det. 955” handwr.; “Holotype ♀ / Fidena [print.] / coscaroni n. sp. 65 [handwr.] / det. / C.B. Philip [print.]” on red paper; “Fidena / coscaroni (Phil.) / Det. Cosc. 65” handwr.

*Note:* *Fidena coscaroni* is a replacement name, it deserves no type.

**magellanicus** [*Tabanus*]. Philippi 1865.

**One spec.** ♂ on a pointed card, “Argentina / Ushuaia / Tierra d. Fuego / 26-I-49 [handwr.] / Museo Argentino de Ciencias Naturales [print.]”, black frame; “Alotipo” print. on pink paper, black frame; “Agelanius / magellanicus / (Phil.) / Barr. et Dur. det. 55”, handwr.; “T.11” handwr. on green paper.

*Notes:* A synonym of *Dasybasis trita* (Walker 1857) *fide* Coscarón (1967a: 123); recorded as *Dasybasis (Dasybasis) tritus* by Fairchild (1971: 42), and as *Dasybasis trita* by Coscarón & Papavero (2009: 76–77). The spec. was collected, and labeled as allot., much later.

**melanogaster** [*Tabanus*]. Brèthes 1911: 482. [Buenos Aires Prov.]: La Plata.

**One spec.** ♀ pinned, “Rep. Argentina / Prov. Buenos Aires / 190\_ / C. Bruch” print., black frame; “Rio / Santiago / 30.XII.915” handwr. by Bruch; “Alotipo” print. on pink paper, black frame; “Tabanus / melanogaster Brèth. / Barr. et. Dur. det. ‘55” handwr. **Two spec.**, pinned, “J. Brèthes / Buenos Aires / 20.XI.1903” handwr. by Brèthes, black frame; “Argentina [print.] / Tandil [handwr.] / Bs. Aires [print.]”, black frame;

“Tabanus / acer Brèthes” handwr. by Brèthes; “Cotypus” print. on red paper; “Aloparatipo” handwr. on pink paper; “Tabanus / melanogaster Brèth. / Barr. et Dur. det. ‘55” handwr.; “7899” handwr., black frame. **One spec.** pinned, “Argentina [print.] / Tigre [handwr.] / Bs. Aires [print.]”, black frame; “Tabanus / signativentris / Brèth.” handwr., green frame; “35576” handwr., red frame; “Aloparatipo” print. on pink paper; “Tabanus / melanogaster Brèth. / Barr. et Dur. det. ‘55” handwr. **One spec.** pinned, “Tabanus / rubescens / Macq. [handwr.] / det. Orfila [print.]”; “13736” handwr., red frame; “Aloparatipo” handwr. on pink paper; “Tabanus / melanogaster Brèth. / Barr. et Dur. det. ‘55” handwr.

*Note:* None of these was mentioned in the original description. The holot. is recorded at the main list, above.

**missionum** [*Tabanus*]. Macquart 1838: 186. Brasil: “Missions”.

**missionum** [*Dasybasis*]: Coscarón & Philip 1967a: 127–131, pl. 47A–I, 48A–D. ♂ described, but not formally designated as an allot.

**One spec.** ♂ pinned, “Colonia / Macías, S. Fé / X-42 / Col. Viana” handwr.; “Dasybasis / missionum / ? [handwr.] / Museo Argentino de Ciencias Naturales [print.]”, black frame; “Allotype” print. on red paper; “Dasybasis ♂ / missionum (Mcq.) / det. Coscarón & Phil. / 1965” handwr.

*Note:* The spec. was collected, and labeled as the allot. much later; it was not formally designated as an allot.

**opacum** [*Pseudoselasoma*]. Brèthes 1911: 475. San Juan Prov.

**One “homeotipo”** from “San Juan Wb”, seemingly seen by Brèthes.

*Notes:* “Homeotipo” is not an accepted category of types. The holot. is recorded at the main list, above.

## Asilidae

**dallasi** (*sub Dallasi*) [*Mallophora*]. Gemignani 1931: 264–265. “Chaco-Formosa” 26719, **holot.** ♂, **allot.** ♀ in MACN.

**One spec.** pinned, “Paratipo” handwr.; “paratypus” handwr. on red painted paper; “Mallophora / Dallasi / Gemignani” handwr.; “synonymous of *M. robusta* (Wied.)” typed, folded; “Museo Nacional / Buenos Aires” handwr.; “Paraguay / Arias-cué / III.23.85 / Asilitae / n° 17” handwr., folded (I glue this label on stronger paper, and as the pin get broken, I remount the spec. in double

mounting, on a piece of cork).

*Note:* Neither a paratype nor Paraguay were mentioned in the original description. The holot. ♂ and the allot. ♀ are recorded in the main list, above.

**lugubris** [*Mallophora*]. E. Lynch Arribálzaga 1880: 252–254. Misiones Prov., ♂, ♀.

**One spec.** pinned, left wing and fore and hind legs missing, “Holotipo” handwr. on red paper; “M. lugubris / ♂ E. Lch.” handwr., folded, damaged (I glue it to stronger paper); “Formosa / III.85 / Asilitae” handwr., folded; “M. lugubris / E. Lynch Arr. [handwr.] / Mus. Nac. Hist. Natural Buenos Aires [print.]”, black frame; “Museo Nacional / Buenos Aires” handwr.

*Notes:* Formosa was not mentioned in the original publication; moreover the spec. was collected later. A synt. is recorded in the main list, above.

#### APPENDIX

Types of *Tabanidae* housed in ANLIS, Administracion Nacional de Laboratorios e Institutos de Salud “Dr. Carlos G. Malbran”, Buenos Aires

**bejaranoi** [*Dasybasis*]. Coscarón & Philip 1967a: 98, 103. In a key, Central Western Argentina.

**One parat.** pinned, “Paratype [print.] / *Dasybasis* / bejaranoi / Cos. y Phil. n. sp. [handwr.] / Paratype [print.]” on red paper, “Plumerillo Mza. / 22-X-59 -Cols. / Capri. Bejar.” handwr.; “1:1.8” handwr.; “*Dasybasis* / prob. n. sp. / Coscarón 63” handwr.; “*Dasybasis* / bejaranoi n. sp. / Cosc. & Ph. 1965” handwr.

*Note:* The holot. and a parat. are recorded at the main list, above.

**caprii** [*Dasybasis*]. Coscarón & Philip 1967a: 102, 103. In a key, Central Western Argentina.

**One parat.** pinned, “Paratypus” print. on yellowish paper; “San Antonio O / Río Negro / XII-56 / Col. H.C. Hepper” handwr.; “wh. hs. / palp. tib./ yel. callus” in running handwr.; “1:1.8” handwr.; “eyes (relax) / bl. black / unbanded?” running handwr.; “*Dasybasis* / caprii n. sp. / det. Cosc. + Phil. 65” handwr.

*Note:* The holot. is recorded at the main list, above.

**cumelafquen** [*Dasybasis*]. Coscarón 1962a: 43–45, f. 14–26. Chubut Prov.: Fontana Lake, **holot.** ♀ in Museo de La Plata, **one parat.** in Instituto Nacional de Microbiología [now ANLIS].

**One parat.** pinned, end of abdomen missing, head detached and glued, “Paratipo” print. on pink paper, black frame; “Lago Fontana / Chubut / 14-II-61 / Col. Coscarón” handwr. paper; “1” handwr., circumvested.

**fontanensis** [*Dasybasis*]. Coscarón 1962a: 41–43, f. 1–13. Chubut Prov.: Fontana Lake. **Holot.** ♀, **parat. two** ♀ in Museo de La Plata, **two** ♀ in MACN.

**Six parat.** pinned, “Paratipo” print. on red paper, black frame; “Lago Fontana / [Chubut, on four] / II.61 / Col. Coscarón” handwr.; “*Dasybasis* / fontanensis / Cosc. / Det. Coscarón” handwr.

**One of them**, also: “1:2.2” handwr.; “Comp. w. Type of / *Styp. patagonica* End. / on loan of Berlin Mus. / by G.B. Fairchild 1963 / NOT in agreement” handwr.

*Notes:* These parat. were not mentioned, but the labels are authentic. Two parat. are recorded at the main list, above.

**pechumani** [*Dasybasis*]. Coscarón & Philip 1967a: 94

**One parat.** ♀ pinned, right wing damaged, end of abdomen missing, “Paratypus” print. on yellowish paper; “Ed. Havey / Perú Lima Lag. / Blaksley / VIII-1952” handwr.; “*Dasybasis* / pechumani / Det. / Coscarón y Phil. 65” handwr.

**picea** [*Dasybasis kroberi* var.]. Coscarón & Philip 1967a: 94

**One “parat.”** pinned, “Paratipo” print. on pink paper, black frame, “Putre [handwr.]

Arica / Prov. Tarapaca [print.] / 23 Nov. [handwr.] 1952 CHILE / L.E. Pena [print.]”; “eyes unbanded” handwr.; “1:1.7” typed; “Phil.” [handwr.]; “*Dasybasis* / kroberi v. picea / nov. / Cosc. & Phil. 1965” handwr., black frame.

*Note:* A *nomen nudum*, it was described as a variety after 1960.

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