

## **A catalog of the types of Fulgoromorpha, Cicadomorpha and Sternorrhyncha (Insecta, Hemiptera) deposited in the Museo Argentino de Ciencias Naturales, Buenos Aires**

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**Abstract:** The type specimens (all current categories) of sixty-nine names in Fulgoromorpha, Cicadomorpha and Sternorrhyncha housed in this Museum are listed. In order to assist future research, two lists are added: 1. of specimens labeled as types of names not found in the bibliography, and probably not published, and 2. of specimens labeled as types but not included in the original publications, published thereafter or not.

**Key words:** Type specimens, Insecta, Hemiptera, Fulgoromorpha, Cicadomorpha, Sternorrhyncha.

**Resumen:** Catálogo de los tipos de Fulgoromorpha, Cicadomorpha y Sternorrhyncha (Insecta, Hemiptera) depositados en el Museo Argentino de Ciencias Naturales, Buenos Aires. Se catalogan los ejemplares tipo (todas las categorías aceptadas) de sesenta y nueve nombres de Fulgoromorpha, Cicadomorpha y Sternorrhyncha conservados en este Museo. Para facilitar futuras investigaciones, se agregan dos listas: 1. de ejemplares rotulados como tipos, de nombres no hallados en la bibliografía, y probablemente no publicados, y 2. de ejemplares rotulados como tipos, pero no incluidos en la publicación original, y publicados después, o no.

**Palabras clave:** Ejemplares tipo, Insecta, Hemiptera, Fulgoromorpha, Cicadomorpha, Sternorrhyncha.

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### INTRODUCTION

A catalog of the type specimens (all current categories) of species of Homoptera housed in the Entomological Division of this Museum is presented, referred to sixty-nine names. The specific and subspecific epithets are alphabetically filed in a single list, followed by the generic ones, in their original spellings. A brief bibliographic quoting is given, as well as a list of specimens examined, if these were mentioned. An account of the types actually here housed follows, with description of all their labels. Later nomenclatural and taxonomic changes are added, insofar these are known by the author. When no name-bearing type, or an equivalent was designated, nor the amount of specimens examined was stated, it is assumed that there was a series of syntypes (eventually a "sole syntype") (Recommendation 73 F of the International Code of Zoological Nomenclature, 1999). In geographical mentions, if the country is not mentioned, Argentina is meant.

Some specimens in the collection are labeled

as types of names not found in the bibliography, and assumed not to have been published; such names are probably not available in the sense of the Code; however, in order to assist future research, they are separately listed. Specimens labeled as types, but not mentioned in the original publication, published thereafter or not, conform a further separate list. Specimens labeled as types, but not intended as types, are not acceptable; however, also in order to assist future research, one is included under a third heading [*Taracticus chilensis* (Spinola) Bergl].

At his death in 1892, Hermann Burmeister was followed by Carlos Berg as the Director of the Museo Público de Buenos Aires, now Museo Argentino de Ciencias Naturales, this Museum; Berg increased (chiefly with Lepidoptera, Hemiptera and Coleoptera) the entomological collection started by Burmeister, and held another collection at the University of Buenos Aires; this one was transferred by 1970 to the Museum. Burmeister did not label each specimen; instead he fastened to the bottom of the drawer, in front

of each specific series, handwritten labels with the names of genus and/or species, sometimes with a vague geographic reference, like “Rep. Arg.” for Argentina or “Patag.” for Patagonia; his “types” are not identified (nor designated in the publications), and therefore only hardly recognisable. Specimens of Burmeister’s collection are frequently identified with a label reading “Colección Antigua” (Ancient Collection), as they conformed the basis of the entomological collection of the Museum.

Carlos Berg used to attach to his pinned types tiny, red framed labels with “Typus” printed in red. The collection of Jean Brèthes was deposited long ago in this Museum.

After the decease of Everard E. Blanchard, his family donated to the Museum his library and his collection, chiefly Diptera and Hymenoptera, but also rich in Aphids.

#### Abbreviations used

**al.**, alate; **allot.**, *allotypus*, allotype; **ap.**, *apt.*, apterous; **coll.**, collection; **f.**, figure(s); **handwr.**, handwritten; **holot.**, *holotypus*, holotype; **in litt.**, *in litteris*; **juv.**, juvenile; **lectot.**, *lectotypus*, lectotype; **macropt.**, macropterous; **paralect.**, *paralectotypus*, paralectotype(s); **parat.**, *paratypus*, paratype(s); **partenog.**, partenogynous; **pl.**, plate(s); **print.**, printed; **spec.**, specimen(s); **synt.**, *syntypus*, syntype; **tab.**, *tabula*, table(s); **virgin.**, virginiparous; **w.**, winged.

This Museum is identified as **MACN**; other repositories are identified as follows: **BM**, British Museum, Natural History (currently The British Natural History Museum, London); **CB**, Carlos Berg coll., in **MACN**; **EB**, Everard E. Blanchard coll., in **MACN**; **IFML**, Instituto Fundación Miguel Lillo, Tucumán; **INTA**, Instituto Nacional de Tecnología Agropecuaria, Instituto de Patología Vegetal; **MB**, Zoologisches Museum, Berlin; **MLP**, Museo de La Plata; **MNHN**, Muséum National d’Histoire Naturelle, Paris; **USNM**, United States National Museum (Smithsonian Institution), Washington.

#### CATALOG OF THE TYPES

##### Fulgoromorpha

**acutiusculus** [*Idiosystatus*, Delphacidae] Berg 1883: 232–233. Patagonia [Santa Cruz Prov.]: Santa Cruz Stream 9.X.1874, **two** ♀. Could be *Delphax acutiusculus* Spinola, or another genus. **One synt.** on a card, “16” print. on green paper;

“Typus” print. with red ink, red frame; “S.Cruz / Patag.” print. on green paper; “Idiostatus / acutiusculus / Berg / (?Spin.)” handwr., red frame.

**australis** [*Lacertina*, Delphacidae] Remes Lenicov & Rossi Batiz, in Rossi Batiz & Remes Lenicov 2011: 64–67, f. 1–5. Buenos Aires Prov.: City Bell, **holot.** ♂ in **MLP**, **parat.** *idem*; Poblet; Córdoba Prov.: Huerta Grande in **MLP**. **Two parat.** City Bell, ♂, ♀ in **MACN**. Other spec. from several prov.

**Two parat.** on pointed cards, on separate pins, “City Bell; La Plata, Bs As / 26/I/08/ Rossi Batiz col / s/Cortaderia sp.” print. on white paper, black frame; “*Lacertina/australis* PARATYPUS” handwr. on yellow paper, black frame; “*Lacertinella / australis* / (Remes Lenicov & Rossi Batiz)” print. on white paper, black frame.

*Note:* *Lacertina* Remes Lenicov & Rossi Batiz 2011 is a homonym of *Lacertina* Meuschen 1776. Remes Lenicov & Rossi Batiz (Zootaxa, in press) propose *Lacertinella* as a replacement name.

**distanti** (*sub Distanti*) [*Plagiopsis*, Issidae] Berg 1883: 191. Buenos Aires Prov.: Chacabuco, leg. F. Lynch Arribálzaga. **One** ♂ in Museo Público (=MACN); **one** ♀, **one “pseudoimago”** in **CB** [in **MACN**].

**One synt.** on a card, “Typus” print. with red ink, red frame; “Chacab. / F. Lynch” print. with red ink, red frame; “*Plagiopsis / Distanti* Berg” handwr., red frame.

**lyra** [*Falciidius*, Issidae] Berg 1883: 238–239. Entre Ríos Prov.: Concepción del Uruguay, Doering leg., ♂, ♀ in Museo Público (=MACN); B. Aires leg. Reich, **two spec.** in **MB**.

**One synt.** on a card, left wings missing, “Typus” print. with red ink, red frame; “Uru / guay” print. on green paper; “*Falciidius / lyra* (Burm.) / Berg” handwr., red frame.

*Note:* Uruguay refers very probably to the city Concepción del Uruguay.

**mitrii** (*sub Mitrii*) [*Fulgora*, Fulgoridae] Burmeister 1867: 23–24. Paraguay.

**One synt.** pinned, wings extended, “Col. / Antigua” print. on whitish paper, black frame; “Fulgora / aut.”, “lucifera / Gue / Mitrii Burm. / Paraguay” handwr. by Burmeister, black frame, originally fastened to the bottom of the drawer.

**sensitivus** [*Notolathrus*, Cixiidae] Remes Lenicov 1992: 158–159, f. 1–9. Neuquen Prov.:

Departm. Picunches: Cave of the Arenal (Cuchillo Cura), **holot.** ♂, **two parat.** ♂ in **MACN**.

**Holot.** in a plastic microvial with liquid preservative, contained in a bigger plastic vial with liquid, "Notolathrus / sensitivus / n. sp. / Neuquen" handwr. with pencil?, glued to the bigger vial; "Holotipo" and "Tipo" print. on white paper, black frame; "Notolathrus / sensitivus / Remes Lenicov" handwr. with pencil? on white paper; "Caverna del Arenal / Cuchillo Cura / Las Lajas / Neuquen [handwr. with pencil] / Museo Argentino de Ciencias Naturales [print.]" on white paper, black frame.

### Cicadomorpha

**araucanus** [*Athysanus*, Euscelidae] Berg 1881: 267–268. Chile: Valdivia and Lota II.1879, **two** ♀. Type in author's coll. [**CB**, in **MACN**].

**One synt.** on a card, "Typus" print. with red ink, red frame; "Valdivia / C. Berg" handwr., red frame; "Athysanus / araucanus / Berg" handwr., red frame; "Athysanus Burm.", "araucanus Berg", handwr. by Berg, black frame, originally fastened to the bottom of the drawer. **One synt.** pinned, tip of pin broken, "Typus" print. with red ink, red frame; "Lota / C. Berg" print. with red ink, red frame; "Athysanus / araucanus / Berg" print with red ink, red frame.

*Notes:* Recorded as *Athysanus araucanus* by Metcalf (1967: 349) and McKamey (2002).

**bahiensis** [*Tettigades*, Cicadidae] Torres 1942: 256–257, f. 2: 1–3. Buenos Aires Prov.: Bahía Blanca. **Allot.** (*pro* Holot.?) ♂, **two parat.** ♂ in **MACN**:

**bahiensis** [*Alarcta*]: Torres 1958a: 25–26, pl. 1: f. 5, pl. 3: f. 1, 5, pl. 5: f. 1. *Nov. combin.*

**Holot.?, two parat.** pinned, holot.? and one parat. with left wings extended, the other parat. with all four wings extended, "Bs. Aires [print.] / Bahia / Blanca [handwr.]" on green paper, black frame, reverse white; "Exc. / E. Gemignani" handwr.; "51443" handwr., black frame; "Museo de La Plata / Holotipo [Paratipo, Paratipo] [print.] / Tettigades / bahiensis / Torres [handwr.]" on red paper, black frame; "Museo de La Plata [print.] / Alarcta / bahiensis / (Torres) / Det. B.A. Torres [handwr.]" on white paper, black frame.

*Notes:* Transferred to *Alarcta* by Torres (1958a: 25–26). The word "Alotipo" in the original publication is puzzling, it is probably a print error for "Holotipo"; the label on the spec. reads 'Holotipo'.

**bicolor** [*Guaranisaria*, Cicadidae] Torres 1958c: 23–26, f. 3c, 4. Misiones Prov.: Pindapoy, **holot.** ♂ in **MLP**. Misiones Prov.: Dep. Concepción: Santa María, **allot.** ♀ in **MACN**. **Parat** ♂, ♀ *idem*.

**Allot.** pinned, all four wings extended, "Misiones - Argentina / Dep. Concepción - Sta. María / M.J. Viana" print., remains of a black frame; "48044" handwr., red frame; "Museo de La Plata / Alotipo [print.] / Guaranisaria / bicolor / Torres [handwr.]" on red paper, black frame; "M.B. Riv." handwr.

**bosqi** [*Tettigades*, Cicadidae] Torres 1942: 258–259, f. 3: 1–3. Mendoza, leg. Lizer, **holot.** ♀, **seven** ♀ **parat.** in **MACN**, **allot.** ♂ in **MLP**.

**Five parat.** pinned, **four of them** with left wings extended, **one of them** with right wings extended, "Cacheuta" handwr. on green paper, black frame, reverse white; "7844" handwr., red frame; "Museo de La Plata / Paratipo [print.] / Tettigades / bosqi / Torres [handwr.]" on red paper, red frame. **Four of them**, also "Cacheuta / Mendoza Arg. / Spegazzini leg." handwr. on white paper.

*Note:* Holot. and two parat. not found.

**chacoana** [*Ceresa*, Membracidae] Remes Lenicov 1973b: 111–113, pl. xxii: f. 159–167. Misiones Prov.: Concepción, **holot.** ♂, **allot.** ♀, **parat.** **four** ♂, **two** ♀ in **MACN**. Chaco Prov.: Basii [*sic, pro* Basail?]; Neuquen Prov.: Catandil [*sic, pro* Catan Lil?]; Brasil, all in **MLP**.

**Two parat.** on cards, "Misiones-Argentina / Dep. Concep.-Sta. María / M.J. Viana [print.] X-1944 [X-1947] [handwr.]", remains of a black frame.

**One parat.** on a card "Argentina-Misiones [print.] / Dto. Guaraní [handwr.] / M.J. Viana [print.] X.1942 [handwr., obverse, with remains of a black frame] / El Soberbio [handwr., reverse]".

**All three:** "Museo de La Plata / Paratipo [print.] / Ceresa / chacoana Remes- / Lenicov 1971 [handwr.]" on red paper, black frame.

*Note:* Holot., allot., one parat. not found.

**crassicauda** [*Carineta*, Cicadidae] Torres 1948a: 125–127, f. 6. **Holot.** ♂, **allot.** ♀ Catamarca, Schaefer, in **MLP**. **Parat.** Catamarca Prov.: Queñoa Pelado, in **IFML**; Tucumán Prov.: Tafi del Valle in **IFML**; Salta Prov. in **MACN**.

**One parat.** pinned, left wings extended; "5653" handwr., red frame; "Rep. Argentina / Prov. Salta / 31.I.1897 / S. Venturi" print., date handwr., black frame.

**fasciathorax** [Ceresa, Membracidae] Remes Lenicov 1973b: 119–121, pl. XXV: f. 186–194. Bolivia, **holot.** ♂, **allot.** ♀, in **MACN**.

**Allot.** on a pointed card, a glass microvial with dissected parts, “Bolivia” handwr. on green paper, black frame, reverse white; “♀” print.; “11862” handwr, red frame; “Museo de La Plata / Alotipo [print.] / Ceresa / fasciathorax / Remes Lenicov ’71 [handwr.]” on red paper, black frame.

*Note:* Holot. not found.

**gibbosa** [Taunaya, Membracidae] Remes Lenicov 1973a: 137–139, f. 1–3. Misiones Prov.: Concepción Dep.: Santa María XI-1956, Viana leg. **Holot.** ♀, **parat. two** ♀, in **MACN**.

**One parat.** on a pointed card, “Misiones. Argentina / Dto. Concepción / Sta. María / Viana leg.” handwr., black frame; “Museo de La Plata / Paratipo [print.] / Taunaya / gibbosa Remes / Lenicov 1972 [handwr.]” on red paper, black frame.

*Note:* Holot. and one parat. are housed in MLP, the MACN as the repository is a *lapsus* in the publication, *fide* Remes Lenicov (personal communication *via* e-mail II.2011).

**grandis** [Psephenotettix, Cicadidae] Torres 1958d: 37–40, f. 7–12, 14. Salta, **holot.** ♂ in **MLP**. Salta Prov: Molinos, **allot.** ♀ in **IFML**. **Parat. idem**, Catamarca Prov.: Condorhuasi, in **IFML**. Mendoza Prov., leg. Reed, in **MLP**. San Juan Prov., leg. Berg, in **MLP**. San Juan Prov.: Mediagua, leg. Zotta & Aiello, in **MACN**.

**One parat.** pinned, left wings extended, “51631” handwr., black frame; “Argentina [print.] / Mediagua [handwr.] / San Juan [print.]” black frame; “A. Zotta y / A.N. Aiello leg.” handwr., remains of a black frame; “Museo de La Plata / Paratipo [print.] / Psephenotettix / grandis / Torres [handwr.]” on red paper, black frame; “M.B. Riv.” handwr.

**insularis** [Agallia, Jassidae] Berg 1884: 39–40. Tierra del Fuego: Staaten Is., leg. Spegazzini II.1882, **some spec.**

**Three synt.** on pointed cards, on separate pins, “Typus” print. in red, red frame: “Tierra / D. Fuego” handwr. on green paper, black frame; “2155” handwr., red frame; “Agallia / insularis / Berg” copied by me from labels originally fastened to the bottom of the drawer.

*Notes:* Recorded as *Agallia insularis* by Metcalf (1966: 38) and McKamey (2002). Currently in Agalliidae.

**macrogina** [Tettigades, Cicadidae] Torres 1949: 184–187, f. 3–4, pl. 1: f. 3. Pampa Central, **holot.** ♀ in **MACN**.

**macrogina** [Alarcta]: Torres 1958b: 31–32. Pampa Central. *Nov. combin.*

**Holot.** pinned, all four wings extended, “Pampa Central / E. Caride leg.” handwr.; “6649” handwr., red frame; “Museo de La Plata / Holotipo [print.] / Tettigades / macrogina / Torres [handwr.]” on red paper, black frame; “Museo de La Plata [print.] / Alarcta / macrogina / (Torres) / Det. B.A. Torres [handwr.]” on white paper, black frame.

*Notes:* Transferred to *Alarcta* by Torres (1958a: 31–32). Pampa Central refers broadly to La Pampa Prov.

**maculata** [Tettigotoma, Cicadidae] Torres 1942: 254–256, f. 1: 1–3, Pampa Central “**alot.** ♂” (*sic, pro holot.*) in **MACN**.

**Holot.** pinned, left wings extended, “6649” handwr., red frame; “Ppa Ctl” stamped; “Museo de La Plata / Holotipo [print.] / Tettigotoma / maculata / Torres [handwr.]” on red paper, black frame.

*Notes:* Torres (1948b) described a female, not mentioned in the original description, and unduly labeled it “Alotipo”. Pampa Central refers broadly to La Pampa Prov.

**major** [Tettigades, Cicadidae] Torres 1944: 467–469, f. 5: a–d, pl.: 5. Several “**cotypes**”, Río Negro Prov.: San Antonio, leg. Carcelles, in **MACN**; some without locality label.

**One synt.** pinned, with left wings extended, “San Antonio Río / Negro. A. Carcelles / leg.” handwr. **One synt.** pinned, with all four wings extended, without locality label. **Both:** “12730” handwr.; “Museo de La Plata / Cotipo [print.] / Tettigades / major / Torres [handwr.]” on red paper, black frame.

**minuta** [Tettigades, Cicadidae] Torres 1949: 187–189, f. 5, 6, pl. 1: 2. Pampa Central. **Holot.** ♀ in **MACN**.

**minuta** [Alarcta]: Torres 1958a: 32–33. *Nov. combin.*

**Holot.** pinned, all four wings extended, “Pampa Central / E. Caride Leg.” handwr.; “6649” handwr., red frame; “Museo de La Plata / Holotipo [print.] / Tettigades / minuta / Torres [handwr.]” on red paper, black frame; “Alarcta / minuta / (Torres) / Det. B.A. Torres [handwr.]” on white paper, black frame.

*Notes:* Transferred to *Alarcta* by Torres (1958a: 32–33). Pampa Central refers broadly to La Pampa Prov.

**nigripectus** [*Ceresa*, Membracidae] Remes Lenicov 1973b: 80–82, pl. IX: f. 58–66. Santiago del Estero Prov.: Chilca, **holot.** ♂; **parat.** Salta Prov.: between Galpón and Trancas, **allot.** ♀. Other **parat.** from Córdoba Prov.: Bajo Grande; Santa Fe Prov.: Candiotti; Formosa Prov.: Togo, and Las Palmas; Jujuy Prov.: Palpalá; Salta Prov.: Metán; Misiones Prov.: Concepción; San Juan Prov.; Tucumán Prov.; Buenos Aires Prov.: Junín.

**Two parat.** on pointed cards, “Chilca Sgo. del / Estero / 7.IV.945 / Col. H. Maldonado” handwr., black frame; “Museo de La Plata / Paratipo [print.] / *Ceresa* / nigropectus Remes / Lenicov 1971 [handwr.]” on red paper, black frame.

*Note:* The specific epithets on the publication and on the labels differ slightly, *nigripectus* against *nigropectus*, but the labels are authentic.

**pauzilla** [*Tettigades*, Cicadidae] Torres 1958b: 66–67, pl. 3: f. 6–9; pl. 11: f. 2; pl. 19: f. 6. Chile: Cura Cautin, **holot.** ♂ in MLP. Chile: Victoria, **parat.** in BM and MACN. “Otro material estudiado” without locality labels, in MACN.

**One parat.** pinned, all four wings extended, “10048” handwr., red frame; “Chile” handwr. on green paper, black frame, reverse white; a circle of green paper; “Museo de La Plata / Paratipo [print.] / *Tettigades* / pauzilla / Torres [handwr.]” on red paper, black frame.

*Note:* There is another spec. with a circle of green paper, but without parat. label, “Museo de La Plata [print.] / *Tettigades* / pauzilla / Torres / Det. B.A. Torres [handwr.]” on white paper, black frame. See the third list, below.

**peruensis** [*Ceresa*, Membracidae] Remes Lenicov 1973b: 82–85, pl. x: f. 67–75. Perú: Chanchamayo Valley, **holot.** ♂, **allot.** ♀. Perú: Tingo María. Bolivia: Nor Yungas Prov.: Caranavi; Santa Cruz. Brasil: Amazonas: Rio Preto, **parat.**

**One parat.** on a pointed card, a glass microvial with dissected parts, “Bolivia” handwr. on green paper, black frame, reverse white; “11862” handwr., red frame; “Museo de La Plata / Paratipo [print.] / *Ceresa* / peruensis Remes Lenicov / 1971 [handwr.]” on red paper, black frame.

**porteri** (sub **Porteri**) [*Tettigades*, Cicadidae] Brèthes 1920: 10. Chile: Lonquimay, ♀ in MACN.

**opaca** [*Tettigades*]: Jacobi 1907: 27.

**opaca** [*Tettigades*]: Torres 1958b: 60–61. Designates the ♀ holot. of *T. porteri* Brèthes as allot. of *T. opaca* Jacobi; see at the *Note*, below.

**Holot.** pinned, all four wings extended, “Lonquimay / Curacautin / Porter / I.1917” handwr.; “type!” handwr.; “*Tettigades* / Porteri Brèthes” handwr.; “Museo de La Plata / Alotipo [print.] / *Tettigades* / opaca Jac. / Det. B.A. Torres” handwr. on red paper, black frame.

*Note:* Torres (1958b: 60–61) accepted the synonymy of *Tettigades porteri* with *T. opaca*, and unduly designated the ♀ holot. of *T. porteri* as the allot. of *T. opaca*.

**praegracilis** [*Proarna*, Cicadidae] Berg 1881: 264. Bolivia “El Museo Público [= MACN] posee un ejemplar de esta especie” [The Museo Público (=MACN) owns a specimen of this species].

**One synt.?** pinned, right wings missing, “S. Cruz. Boliv.,” “*Proarna praegracilis*,” “Typus,” “♀” all handwr.

*Note:* It is not clear if the spec. mentioned as being in the MACN, is the type.

**proxima** [*Smiliorhachis*, Membracidae] Berg 1883: 292–293. Uruguay, November, on *Acacia farnesiana*, **many spec.** of both sexes.

**Two synt.** pinned on one pin, “Typus” print. in red, red frame; “Banda / Orienta” print. on green paper; “*Smiliorha* / *chis* / Fairm. / 1846” and “proxima / B. O. Berg”, handwr. by Berg, black frame, both originally fastened to the bottom of the drawer.

*Note:* Banda Oriental is an old name of Uruguay.

**stelliger** [*Athysanus*, Cicadellidae] Berg 1884: 29–30. Buenos Aires, **many** ♂, ♀ at artificial light.

**One synt.** on a card, “*Athysanus* / stelliger / Berg” handwr., red frame, “Burm.” handwr.; “Typus” print. with red ink, red frame.

*Notes:* Recorded as *Graminella stelliger* by Linnavuori (1959). “Holotype”, “allotype” and two “paratypes” (all of which should be considered as synt.) are housed in MLP (Paradell, Dellapé & Catalano 2008: 40). Currently in Euscelidae.

**stylata** [*Ceresa*, Membracidae] Remes Lenicov 1973b: 74–77. pl. VII: 41–48. Misiones Prov.: Concepción, **holot.** ♂ in MACN. Misiones Prov.: Santa Inés, **allot.** Buenos Aires Prov.: Sierra de la Ventana, **parat.** Bolivia: Santa Cruz, **parat.**

**Holot.** on a card, a glass microvial with dissected parts, “Misiones - Argentina / Dep. Concep. - Sta. Maria / X-1941. M.J.Viana” print., date handwr., remains of a black frame; “Museo de La Plata / Holotipo [print.] / *Ceresa* / stylata Remes Lenicov / 1971 [handwr.]” on red paper, black frame.

**terrosa** [*Alarcta*, Cicadidae] Torres 1958a: 30–31, pl. 2: f. 3; pl. 3: f. 4; pl. 5: f. 6. Pampa Central, leg. Caride, **holot.** ♀ in **MACN**.

**Holot.** pinned, all four wings extended, “Pampa Central” handwr.; “6649” handwr., red frame; “Museo de La Plata / Holotipo [print.] / *Alarcta* / *terrosa* / Torres [handwr.]” on red paper, black frame.

*Note:* Pampa Central refers broadly to La Pampa Prov.

**unipuncta** [*Tettigades*, Cicadidae] Torres 1958b: 81–83, pl. 6: f. 6–9; pl. 15: f. 2, pl. 19: f. 2. Chile, **holot.** ♂ in **MACN**. **Parat.** ♂ Chile, in **MLP**.

**Holot.** pinned, “7751” handwr., red frame; “Chile” handwr. on green paper, black frame, reverse white; “Museo de La Plata / Holotipo [print.] / *Tettigades* / *unipuncta* / Torres [handwr.]” on red paper, black frame.

**valdiviana** [*Agallia*, Jassidae] Berg 1881: 271–272. Chile: Valdivia: San Juan de Valdivia I.1879, **one** ♂.

**Holot.** on a card, “Typus” print. with red ink, red frame; “Valdivia / Berg” handwr., red frame; “*Agallia* / *valdiviana* / Berg” handwr., red frame. “*Agallia* Curt.”, “*valdiviana* Berg, / Chile” handwr. by Berg, black frame, originally fastened to the bottom of the drawer.

*Notes:* Recorded as *Agallia valdiviana* by Metcalf (1966: 60). Currently in Agalliidae.

**vianai** [*Centrogonia*, Membracidae] Remes Lenicov 1971: 124–126, f. 1–9. Jujuy Prov: Yala Pond,

**holot.** ♂; **parat. one** ♂, **thirty-four** ♀. Catamarca Prov., **allot.** ♀, all in **MLP**. Tucumán Prov, **one** ♀. Salta Prov., ex coll. Venturi, **seven** ♂, **six** ♀. Jujuy Prov.: Yala Pond, **one** ♂, all in **MACN**.

**Fifteen parat.**, ten pinned, five on cards. **Nine of them:** “Rep. Argentina / Prov. Salta [print.] / 2.1.1897 [10.1.1897, 11.1.1897, 12.1.1897, 20.1.1897, 21.1.1897, 22.1.1897, 23.1.1897, 23.1.1897] [handwr.] / S. Venturi [print.]” black frame. **Three of them:** “Rep. Argentina / Prov. Tucumán [print.] / 6.II.1897 [7.II.1897, 11.II.1897] [handwr.] / S. Venturi [print.]”, black frame. **Two of them:** “Tucumán” print. **One of them:** “Jujuy / Lago de Yala / III.949 2000 mt. / N. Kormilev” handwr. **Six of them** with a glass microvial with dissected parts. **All fifteen:** “Museo de La Plata / Paratipo [print.] / *Centrogonia* / *vianai* Remes Lenicov 1971 [handwr.]” on red paper, black frame.

## **Sternorrhyncha** **Psylloidea**

**ilicicola** [*Gyropsylla*] Brèthes 1921a: 88–89, f. 2–6. Misiones Prov.: Concepción de la Sierra, C.H. Benson leg.

**Lectot.?** on a card, “Misiones”, “*Gyropsylla* / *ilicicola* Brèthes”, “type!” handwr. by Brèthes, a small, rectangular piece of red paper; “Typus” print. on pink paper; “*Gyropsylla* / *spgazziniana* / (Lizer) / ♀ / det. D. Burckhardt / 1984” handwr.

**A slide** “*Gyropsylla* / *ilicicola* Brèthes / type / Benson leg. / Misiones [handwr. by Brèthes ] / 55 [handwr. with pencil]”, “G54”, “Lectotype of / *Gyropsylla* / *ilicicola* Brèthes / designated / by D. Burckhardt / 1984 / *Gyropsylla* / *spgazziniana* / (Lizer)” handwr.

*Notes:* Synonymized with *Gyropsylla spgazziniana* (Lizer) by Burckhardt. Lectot. designation not seen.

**schini** [*Tainarys*] Brèthes 1920: 133, f. 14, 15

**Lectot.?** on a slide: “Argentina: / Buenos Aires / 10.XI.1919 / leg. J. Brèthes / type! *Tainarys* / *schini* Brèthes / Mus. Arg. Cs. Nat.”, “*Tainarys* / *schini* / Brèthes ♂ / Lectotype / designated / by D. Burckhardt / 1984” handwr., in slide coll. under T69. **Other slide:** “*Tainarys* / *schini* / Brèthes / ♀ / Paralectotype / P.1841”, “Argentina: / Buenos Aires / 10.XI.1919 / leg. J. Brèthes / type! *Tainarys* / *schini* Brèthes / Mus. Arg. Cs. Nat.” handwr.; in slide coll. under T70.

*Note:* Lectot. designation not seen.

## **Aphidoidea**

**bahamondesi** [*Brachyunguis*] Rемаудиере & Halbert 1996: 250–251, tab. 1. Mendoza Prov.: Guaymallén, **holot.** ♀. Mendoza Prov.: Cachauta (*sic, pro* Cacheuta), **parat.** in **MNHN**. Other **parat.** in **USNM**, **BM**, and authors’ coll.

**One slide** with a macropt. and two apt. “013274 / *Brachyunguis* / *bahamondesi* / Rемаудиере & / Halbert”, “Paratype”, “Atriplex / lampa / Guaymallen / Mza. Argentine / 14.XI.1983 / *Bahamondes* 39”, all handwr. with ink on the glass. In slide coll., under HOM3.

**beretica** [*Macrosiphoniella*] Blanchard 1922: 201–201, f. 8. Buenos Aires Prov.: Lomas de Zamora, leg. Huidobro, on an unidentified species of Compositae. **Types** in author’s coll, **EB**.

**Three slides**, with 8+3+3 **synt.**, “*Macrosiphoniella* / *beretica* / Blanch. / s/Rosette weed / Lomas, F.C.S. / 25.IX.1918”,

“Tipus” handwr., red frame. In slide coll. under M62, M63-M64.

*Notes:* Transferred to *Uroleucon* (*Lambersius*) by Eastop & Hille Ris Lambers (1976: 250) as *U. (L.) bereticum*. *Idem fide* Nieto Nafria in *litteris* 17.III.2000. F.C.S. means Ferrocarril del Sud, the old name of the Línea Roca of the Argentinean railway system

**blanchardi** [*Brachyunguis* (*Xerophilaphis*)] Remaudière & Bahamondes 1987: 179–182, f. 1–7, tab. 1. Mendoza Prov., **holot.** ♀, many **parat.** in MNHN.

**A slide** with **two parat.** apt., “09710 / Xerophilaphis / blanchardi / Remaudière / et Bahamondes”, “Paratype”, “Allenrolfea / vaginata / Guaymallen / Mendoza / Argentine / 5.XI.1985 / Bahamondes” handwr. with ink on the glass. In slide coll. under HOM4.

**bosqi** [*Macrosiphum*] Blanchard 1932: 21–23, f. 2. Buenos Aires, leg. Bosq 1.VIII.1927 on *Pelargonium graveolens*. **Types** in author’s coll., **EB**.

**A slide** with **three synt.**, “s/malva de olor / Liniers F.C.O. / 1-VIII-1927 / Bosq col.” handwr., blue frame; “*Macrosiphum* /bosqi / Blanchard / Types [?]” handwr., washed, red frame. In slide coll., under HOM.I.: 22.

*Notes:* A synonym of *Acyrtosiphon malvae* (Mosley 1841) after Eastop & Hille Ris Lambers (1976: 250), *fide* Nieto Nafria in *litteris* 17.III.2000. Liniers is a district in Buenos Aires City. F.C.O. means Ferrocarril Oeste, the old name of the Línea Sarmiento of the Argentinean railway system.

**cocoensis** [*Macrosiphum*] Blanchard 1932: 23–24, f. 3. Córdoba Prov.: Los Cocos II.1931, on cultivated *Tanacetum vulgare*, **types** in author’s coll., **EB**.

**A slide** with **six synt.**, one of them hidden under a drop of china ink, “s/ manzanilla / S. de Cordoba / II.1931”, “*Macrosiphum* / cocoensis / type Blanchard” handwr., red frame. In slide coll. under HOM.I.: 10.

*Note:* Recorded as *Uroleucon* (*Lambersius*) *cocoensis* by Eastop & Hille Ris Lambers (1976: 256), and by Remaudière & Remaudière (1997: 154), who say that Carvalho (personal communication) synonymizes *cocoensis* with *U. (L.) bereticum* (Blanchard 1922); synonymy ratified by Carvalho, Blackman & Spence (1998: 140).

**cordobensis** [*Macrosiphum*] Blanchard 1932: 24–26, f. 4. “Sierras de Córdoba” 18.II.1931, “very abundant on a wild species of *Erigeron*”,

**types** in author’s coll., **EB**.

**Seven slides** with 2+5+4+3+4+1+1 **synt.**, “*Macrosiphum* / cordobensis / Type / Blanchard”, “s/*Erigeron* sp. / S. de Córdoba [Sierras de Córdoba on two] / 18.II.1931”, handwr., red frame. All: “= bereticum BL” handwr. with red ink on the glass. In slide coll. under HOM.1: 31 through 37.

*Notes:* Transferred to *Uroleucon* (*Lambersius*) by Eastop & Hille Ris Lambers (1976: 256).

Recorded as *U. (L.) cordobense* by Remaudière & Remaudière (1997: 154), who say that Carvalho (personal communication) synonymizes *cordobense* with *U. bereticum* (Blanchard 1922); synonymy ratified by Carvalho, Blackman & Spence (1998: 140).

**danielae** [*Aphis*] Remaudière 1994: 110–112, 115; f. 1–7; tab. 1. Mendoza Prov.: Uspallata, **holot.** ♀ in MNHN, **parat.** in BM, USNM, BC.

**A slide** with one **parat.?** apt. “4”, “015085 / *Aphis* / danielae / Remaudière / Paratype”, “*Lycium* / Uspallata Mendoza / 1750 m Argentine / 5 XII 1993 / D. Matile” handwr. with ink on the glass. In slide coll. under HOM.I: 1

*Note:* There is another slide, “015673”, with three apt. ♂, ♀, from Mendoza Prov.: Malargüe, leg. J. Ortego on *Lycium gillesianum*, not labeled as types. In slide coll., under HOM.I: 2.

**elegans** [*Tuberculoides*] Blanchard 1939: 881–883, f. 7. Entre Ríos Prov.: Concordia, leg. Hayward 15.I.1935, on leaves of *Quercus robur*, **types** in author’s coll., **EB**.

**Two slides** with **synt.**, “ex *Quercus* / robur / Concordia E.R. [Concordia] / 16 I 1935 [18 I 1935] / Hayward”, “*Myzocallis* / elegans / Blnchd. / Cotipo [handwr. by Blanchard] / Lab. Zoología Agrícola [print.]”, with a black frame. In slide coll. under HOM.I: 11 and 12.

*Note:* A synonym of *Tuberculatus* (*Tuberculoides*) *annulatus* (Hartig 1841) after Eastop & Hille Ris Lambers (1976: 441); *idem fide* Nieto Nafria in *litt.* 17.III.2000.

**eumorphum** [*Aulacorthum*] Blanchard 1922a: 196–198, f. 6. Buenos Aires Prov.: Lomas de Zamora, leg. Huidobro on *Vinca major*, **types** in author’s coll., **EB**.

**Four slides** with **synt.**, “Lomas F.C.Sud / s/ *Vinca major* / 22-VIII-1918”, “*Macrosiphum* / eumorphum / Blnchd. / Tipo [Tipos]” handwr. by Blanchard, red frame. In slide coll. under HOM.I.: 13 through 16.

*Notes:* A synonym of *Aulacorthum solani*

(Kaltenbach 1843) after Eastop & Hille Ris Lambers (1976: 100); *idem fide* Nieto Nafría *in litt.* 17.III.2000. Slide M 61 not found.

**fresai** [*Cinara*] Blanchard 1939: 860–862, f. 2. Buenos Aires Prov.: Tandil, leg. Ing. R. Fresa VI.1934 on *Cupressus macrocarpa*.

**A slide with synt.** (only parts of one leg and of one antenna), “*Cinara / fresai / Blanchard / cotipos*”, “*Cupressus / macrocarpa / Tandil / Argentina / VI.1934 / Fresa*” handwr. on the glass. Remounted, labels copied. **A slide with parts of 2? (3?) synt.**, “*Lab. Zoología Agrícola [print.] / Cinariella / fresai / Blnchd. / det. Blanchard / tipos [handwr.]*”, “*Lab. Zoología Agrícola [print.] / Cupressus / macrocarpa / Tandil / Fresa VI 1934 [handwr.]*” black frame. In slide coll. under C73, C74.

**graminis** [*Paraprociophilus*] Blanchard 1944: 46–49, f. 10. Santa Fe Prov.: La Cabral 18.III.1939, on *Cynodon dactylon*, **types** in author’s coll., **EB**.

**Two slides with synt.**, “*ex gramilla / rastrera / La Cabral FCCNA / 18.III.1939*”, “*Paraprociophilus / graminis / Blanchd / Cotipos [handwr. by Blanchard] / Lab. Zoología Agrícola det. [print.]*”. In slide coll. under HOM.I: 87 and 88.

*Notes:* A synonym of *Asiphonella dactylonii* Theobald 1923 after Eastop & Hille Ris Lambers (1976: 336); *idem fide* Nieto Nafría *in litt.* IV.2000. There is another slide, from Tucumán, leg. K. Hayward 7.IV.1942 on “*gramilla*”, not mentioned by Blanchard 1944. In slide coll. under HOM.I: 89. FCCNA means Ferrocarril Central Norte Argentino, an old name of the Línea Belgrano of the Argentine railway system.

**griersoni** [*Macrosiphum*] Blanchard 1932: 27–29, f. 5. Jujuy Prov. 1.XII.1927 on *Cynara scolymus*; “*Sierra de Córdoba*” 18.II.1931, on *Vernonia sp.*, **types** in author’s coll., **EB**. Epithet honoring Dra. Cecilia Grierson.

**A slide with two synt.**, “*Macrosiphum / griersoni / Blanchard / type*”, “*s/alcaucil / Jujuy / XII-1-1927*” handwr., red frame. **A slide with one synt.**, “*Macrosiphum / griersoni / Blanchard / type*”, “*s/ Vernonia sp. / Sierra de Córdoba / 18-II-1931*” handwr. In slide coll. under M”12 and M”13.

*Notes:* A synonym of *Uroleucon (Uroleucon) compositae* (Theobald 1915) after Remaudière & Remaudière (1997) *fide* Carvalho, personal communication; synonymy ratified by Carvalho, Blackman & Spence (1998: 140). The specific epi-

thet honors Dra. Cecilia Grierson; it should have been spelled *griersonae*.

**grodsinskyi** [*Tuberculoides*] Blanchard 1939: 883–884, f. 8. Buenos Aires IX.1933, L. Grotsinsky (*sic*) leg. On leaves of *Quercus ilex*.

**Five slides with synt.**, “*s/Quercus / ilex / Cap. Federal / 27.IX.1933 [IX.1933, X.1933] / Grotsinsky [on four]*”, “*Tuberculoides / grotsinsky / Blnchd. / Cotipo*” handwr. by Blanchard, one with a red frame, the other “*Lab. Zoología Agrícola / det.*” print., black frame. In slide coll. under HOM.I: 90 through 94.

*Notes:* A synonym of *Pterocallis pictus* Ferrari (*sub Hoplocallis*) after Eastop & Hille Ris Lambers (1976: 442), and *fide* Nieto Nafría, *in litteris* 7.IV.2000. There are two further slides, “*Quercus / ilex [ilicis] / Gl. Pico / 15.XI.1937 / Williamson*”, “*Tuberculoides / grotsinsky / Blnchd. / Cotipo*”, not mentioned in the original description (General Pico lies in La Pampa Prov.; Capital Federal refers to Buenos Aires City). In slide coll. under T’67, T’68. The name grodsinskyi is spelled with “d” only in the heading, with “t” in the text and on the labels.

**insularis** [*Aphis*] Blanchard 1923a: 35–37, f. 26. Martín García Is., on *Senecio bonariensis*, leg. Bosq.

**Two slides with synt.** (apter. and al. virgin.), “*Isla Martín García / s/Senecio bonariensis / 1-X-1921*” handwr.; “*Aphis insularis / Blanchard*” handwr.

*Note:* A synonym of *Aphis solanella* Theobald 1914 *fide* Eastop & Hille Ris Lambers (1976: 63) personal communication J. Ortego, *in litteris via e-mail* 16.V.2011.

**lizerianum** [*Macrosiphum*] Blanchard 1922a: 185–187, f. 1. Buenos Aires Prov.: Punta Chica, San Isidro, Cañuelas.; Buenos Aires City: Flores; Mendoza Prov: Potrerillos, Cacheuta, on *Sonchus*, *Cosmos*, *Aster*, *Wedelia* and other Compositae, **types** in author’s coll, **EB**.

**Two slides, with 1+2 synt.**, “*Macrosiphum / lizerianum, / Blanchard*” handwr., red frame; “*s/ Aster sp. / S. Isidro / 24-III-1919*” handwr. with ink on the glass, one of them also “*Syntype*”. In slide coll. under M”22, M”23.

*Note:* Recorded as *Uroleucon (Uroleucon) ambrosiae* forma *lizerianum* by Remaudière & Remaudière (1997: 151), and by Carvalho, Blackman & Spence (1998: 118, 137). Nieto Nafría, Mier Durante, Ortego & Seco Fernández (2007) raised the “forma” to a subspecies, and



said the species is better located in subgenus *Uroleucon* (*Lambersius*).

**macolai** [*Macrosiphum*] Blanchard 1932: 29–30, f. 6. Mendoza leg. Macola VI.1926, on *Baccharis salicifolia*.

**Two slides** with 3+3 synt., “s/Baccharis / salicifolia / Mendoza cap. / 10.VI.1926 / Macola col.”, “Macrosiphum / macolai, / Blanch. / type apt.”, handwr., red frame. In slide coll. under M”20, M”21.

*Note:* Transferred to *Uroleucon* (*Uroleucon*) by Remaudière & al. (1991: 31), and to *Uroleucon* (*Lambersius*) by Nieto Nafría, Mier Durante, Ortega & Seco Fernández (2007).

**neosaliceti** [*Aphis*] Blanchard 1939: 923–925, f. 15. Buenos Aires 1.X.1917, apt. partenog.

**A slide with synt.**, “Aphis / neo-saliceti / Blnchd. / C. C. B. / tipos [handwr.] / Lab. Zoología Agrícola [print.]”, black frame; “s/Salix sp. / Cap. Fed. / 1-X-1917 / E.E.B. leg.” handwr., red frame. In slide coll. under A’99.

*Note:* A synonym of *Aphis farinosa* Gmelin after Eastop & Hille Ris Lambers (1976: 69); *idem fide* Nieto Nafría *in litt.* 17.III.2000.

**ocoteae** [*Lizerius*] Blanchard 1923b: 121–125, f. 1, 2. Buenos Aires, botanical garden of the Agronomy Faculty; on terminal twigs and leaves of *Ocotea acutifolia*, very gregarious; **type series** in author’s coll., **EB**, and Lizer coll.

**Three slides** with 1+1+3 synt., “Lizerius / ocoteae / Blanchard”, “Ocotea acutifolia / Lizer Col. / Type V.1923” handwr. **A slide** with one synt. “Lizerius / ocoteae / Blanchard / s/Ocotea acutifolia / B’ Aires / V-1923 / Type”. **Five slides** with 4+4+4+2+1 synt., “Lizerius / ocoteae / Blanchard / Type”, “B. Aires / V.1923 / s/Ocotea acutifolia / Lizer col. [on one: Blanch.]” handwr., with an ornated blue frame. **Four slides:** as the former, but without “Type” label. **Five slides:** “Lizerius / ocoteae / Blanchard”, “Ocotea / acutifolia / Buenos Aires / Argentina / V.1923 / Lizer col.” handwr. with ink on the glass; “♂” on two; “♀” on one, [illegible on one]. In slide coll. under L29, L32, L 86 through 100, L’1, L’2, L’3.

**ogloblini** [*Hysteroneura*] Blanchard 1939: 904–906, f. 11. Misiones Prov.: Loreto, leg. Ogloblin 14.IV.1936 on inflorescences of *Mimosa villosana*; 23.IV.1934 on peduncles of *Andropogon bicornis*, 15.II.1937 on *Eragrostis pilosa*.

**Six slides** with synt., “Hysteroneura / ogloblini / det. E.E.B. [Blanchard] [handwr.] / Lab.

Zoología Agrícola [print.]”, black frame; **three of them** also “ex Mimosa / villosana / Loreto, Mis. / 16.IV.1936 / Ogloblin” handwr.; the **other three** also “ex Andropogon / bicornis, L. / Loreto, Misiones / AAO 23/IV/1934 [handwr.] / Lab. Zoología Agrícola [print.]”, black frame; “s/ pedunculo / del panojo” handwr. with ink on the glass. In slide coll. under H9 through H14.

*Note:* A synonym of *Hysteroneura setariae* (Thomas, 1878) after Eastop & Hille Ris Lambers (1976: 222); *idem fide* Nieto Nafría *in litteris* 17.III.2000.

**pseudorosaefolium** [*Aulacorthum*] Blanchard 1922a: 199–201, f. 7. Buenos Aires Prov.: San Isidro, Buenos Aires City: Flores, on cultivated rose-bushes; Bosq found it on *Begonia* (probably misplaced); **types** in author’s coll., **EB**.

**A slide with synt.**, “s/Rosa / San Isidro, F.C.C.A. / 29-X-1917”, “Macrosiphum rosae, L. / y / pseudorosaefolium / Blnch / tipo” handwr., red frame.

**Six slides** with synt., “s/Rosa / BsAs Capital [on two], Buenos Aires Cap. [on two], Lomas F.C. Sud [on two] / 26-VIII-1918 [24-IX-1918, 24-IX-1918, 10-IX-1918, 20-X-1919]”, “Macrosiphum / pseudorosaefolium / Blnchd. / tipo / nat. [KOH]” handwr., red frame. **One slide** with synt. “s/ Begonia / Flores / 30-VIII-1918”, “Macrosiphum / pseudorosaefolium / Blnch” handwr., red frame. In slide coll. under M’92 through M’99.

*Notes:* A synonym of *Rhodobium porosum* (Sanderson 1900) after Eastop & Hille Ris Lambers (1976: 101); *idem fide* Nieto Nafría *in litteris* 17.III.2000; both sometimes *sub Macrosiphum*. The last named slide bears no type label. F.C.C.A. and F.C.O. mean Ferrocarril Central Argentino and Ferrocarril Oeste, old names of the Línea Mitre and Línea Sarmiento of the Argentinean railway system.

**setigera** [*Aresha*, Aphididae] Blanchard 1939: 900–902, f. 10. Misiones Prov.: Apóstoles II.1936, leg. Ogloblin on rice roots.

**Two slides** with synt., “Aresha / setigera / Blnchd / Cotipo”, “Raíz de / arroz – Apóstoles / Loreto Mis. / 26.II.1936 / Ogloblin [handwr.] / Lab. Zoología Agrícola [print.]” with a black frame. In slide coll. under A’78, A’79.

*Notes:* A synonym of *Rhopalosiphum rufibdominale* (Sasaki 1899), *fide* Nieto Nafría *in litt.* 17.III.2000. The slides are no longer in the box, Nieto Nafría (personal communication VI.2011 by e-mail) says he had borrowed them, and returned, long ago (should be considered as lost).

**solanophila** [*Baizongiella*] Blanchard 1944: 44–45, f. 9. Buenos Aires Prov. at km 22, route to Mar del Plata, on roots of *Rumex paraguayensis*; Mendoza Prov. 25.IX.1941, leg. Magistretti on roots of *Rumex sp.*

**Two slides** with 3+5 **synt.**, “Div. Zoología Agrícola [print.] / ex *Rumex / paraguayensis / loc- K. 22 camino / M. del Plata / fecha 9/X/1941 [handwr.]*”, “Div. Zoología Agrícola [print.] / *Baizongiella / Blanchd. / Cotipos [handwr.]*” black frame. **A slide** with **nine synt.**, “Div. Zoología Agrícola [print.] / *Rumex / Mendoza / Magistretti / 25/IX/1941 [handwr.]*” black frame; “*Baizongiella / solanophila, / Blnchd*” handwr. In slide coll. under B4, B5, B6.

*Note:* A synonym of *Pemphigus populitransversus* Ryley 1879, after Remaudière & Remaudière (1997: 247).

**solutum** [*Macrosiphum*] Blanchard 1939: 960–962. = *M. urticae*: Blanchard 1922: 194–196. Buenos Aires Prov., on *Urtica, Malva* and *Geranium*.

**Five slides** with 4 [one is the **lectot.**] +3+3+1 [w.] + 3 **synt.**, “*Macrosiphum / urticae (Schrank) / s/Geranium / Bs.As / 10-XI-1919 [s/Malvaceae / Lomas F.C.S. / 26-XII-18\_ ] [paper broken]; “s/ Malvaceae / Lomas F.C.S. . . .”, “s/Geranium . . .”* red frame, corners truncate; “o Lectotipo / *Macrosiphum / solutum* Blanchard 1939 / sintipos 3 áp., 1 nf. [3 áp., 3 áp., 1 al., 3 áp.]” handwr. by J. Ortego, black frame and broken line, a diagonal stripe with red pencil. In slide coll. under M66 through M70.

*Note:* Synonymized with *Acyrtosiphon malvae* (Mosley 1841) by Seco Fernández, Ortego, Mier Durante & Nieto Nafría (2000: 160), who designate lectot. and paralect. of *M. solutum*.

**tuberculatus** [*Neolizerius*] Blanchard 1939: 874–876, f. 6. Misiones Prov.: Loreto, leg. Ogloblin on *Nectandra sp.*; Entre Ríos Prov.: Concordia 30.IX.1936, leg. Hayward.

**Twelve slides** with 1+1w+6w+7w+6+13juv+6+2+11+8+16 **synt.** **First to fifth:** “Lab. Zoología Agrícola [print.] / ex *Ocotea / acutifolia / Loreto Mis. / 20.IX.1936 [handwr.]*”, “Lab. Zoología Agrícola [print.] / *Neolizerius / tuberculatus / Blanchard / Cotipos [handwr.]*”, black frames. **Sixth to twelfth:** “Lab. Zoología Agrícola [print.] / *Ocotea acu- / tifolia / Misiones / Ogloblin X.1936 [handwr.]*”, “Lab. Zoología Agrícola [print.] / *Neolizerius / tuberculatus / Blanchard / Cotipos [handwr.]*”. In slide coll. under N47 through N58.

*Notes:* Recorded as *Lizerius tuberculatus* by Eastop & Hille Ris Lambers (1976: 244). There are seventeen further slides, with remounted spec., similar data handwr. with ink on the glass. Six of them from Loreto, seven of them similar, and also “*Lizerius tuberculatus*”, from Loreto, four of them with “*Neolizerius*”, from Concordia 30.IX.1936. Other two slides with “*Neolizerius tuberculatus*” from Concordia, but not “Cotipo”. In slide coll. under N59 through N77. The names of the host plant differ, but otherwise the labels seem authentic.

**vignaphilus** [*Picturaphis*] Blanchard 1922b: 44–46, f. 15. Buenos Aires City: Palermo, J. Bosq leg. on leaves and petioles of *Vigna luteola*.

**Four slides** with **synt.**, “Tipo” handwr. with ink on the glass, “Palermo, BsAs / s/*Vigna luteolus / J.M.B. col. 18/III71922 [on two: 18.III.1922 / J.M.B.col.]*”, “*Picturaphis / vignaphilus / Blanch. [on one Blnchd.]*” handwr. by Blanchard, red frame. In slide coll. under P”67 through P”70.

*Notes:* Recorded as *Microparsus (Picturaphis) vignaphilus* by Remaudière & Remaudière (1997: 122). There are nine further slides, with similar labels, but without “Tipo”. In box P2 of Blanchard’s slide coll. Palermo is a district in Buenos Aires City.

## Coccoidea

**argentinus** [*Ceroplastes*] Brèthes 1921b: 79–80. Common on a weed at the Paraná River side, leg. M. Baez.

**A piece of a twig** with scale insects, pinned, “*Ceroplastes / argentinus Brèthes*”, “type” handwr. by Brèthes; a small, rectangular piece of red paper. **A slide** with **one synt.**, “*Ceroplastes / argentinus Brèthes / type!*” handwr. by Brèthes; “*Coccidae no / Ceroplastes*” handwr. by C. Granara de Willink. In slide coll. under C 11.

*Note:* Recorded as *Ceroplastidia argentina*, and lectotype designated, by C. Granara de Willink (1999: 59–61, f. 22).

**entrerrianum** [*Stictolecanium*] Granara de Willink 1999: 166–168, f. 67. Entre Ríos Prov., 1934, on *Smilax sp.*, holot. in MACN, parat. in BM.

**A slide** with **holot.**, “Holotipo” printed on pink paper, remainings of a black frame; “Museo Argentino de Ciencias Naturales [print.] / *En Smilax / assumptionis DC. / Concordia – X-934 [handwr.]*” black frame; “*Stictolecanium / enterrianum / n. sp.*” handwr. ; “Museo Argentino

/ de Ciencias Naturales [print.] / Pulvinaria / convexa (Hemp.) / Det. C.A.L.T [handwr.]”, black frame. In slide coll. under P”8.

**ferelutea** [*Philephedra*] Granara de Willink 1999: 132–134, f. 52. Santiago del Estero Prov.: Río Hondo 23.IX.1990 leg. Willink on *Prosopis* sp., **holot.** in **IFML**, **four parat.** in **MACN**.  
**A slide with parat.**, “Paratipo” print. on yellow paper, black frame; “Philephedra / ferelutea / Paratipo / s/Prosopis sp. / Río Hondo / Sgo. del Estero / 23-9-90 WIL’ handwr. In slide coll. under P”92.

**flavescens** [*Pulvinaria*] Caride Massini & Brèthes 1918: 150–151, f. 2, pl. II.  
**Two twisted leaves** with scale insects, on pins, “*Pulvinaria* / *flavescens* Brèthes”, “BsAs / 20.XII.1917 / J.B.” handwr. by Brèthes. **A slide**, “*Pulvinaria* / *flavescens* Brèthes / type [rest illegible]”, handwr. by Brèthes; in register: “B. Aires, 3.XII.1917 leg. Massini”; “Holotipo [obverse, print.] / *Pulvinaria* / *flavescens* / (Brèthes)” [reverse, handwr. by C. Granara de Willink on pink paper]. In slide coll. under P76.

*Note:* See also slide P79, under *Pulvinaria minuta*.

**magnani** [*Colobopyga*] Brèthes 1912: 279–281, f. 1a-h. Buenos Aires, on *Chamaerops humilis* (Palmae), underside of leaves, against the central nerve.

**Three slides with synt.**, “*Colobopyga* / *magnani* / type! / Gral. Urquiza” handwr. by Brèthes. In slide coll. under C46, C47, C48

*Note:* Gral. Urquiza is a district in Buenos Aires City.

**minuta** [*Pulvinaria*] Caride Massini & Brèthes 1918: 153, f. 3, pl. III.

**Three slides with synt.:** **P77:** “Holotipo” print. on pink paper, remainings of a black frame; “*Pulvinaria* / *minuta* Brèthes / sobre *Duvaau dependens* / Bs As Noviembre 25, 1917 / Dr. P. Caride Massini” handwr. by Brèthes, hardly legible. **P78:** “*Pulvinaria* / *minuta* Brèthes / 1° larve / B.As 7.XII.917” handwr. by Brèthes. **P79:** “Paratipo” print. on yellow paper, black frame; “*Pulvinaria* / [rest illegible, in register: “*Pulvinaria minuta* . B. Aires, 25.XI.1917 leg. J. Brethes”]; “*Pulvinaria* / *flavescens*” handwr. by C. Granara de Willink.

*Note:* The synt. in slide P79 was identified by Cristina Granara de Willink as *Pulvinaria flavescens*, *quo vide*.

**obvium** [*Mesolecanium*] Granara de Willink 1999: 112–114, f. 44. Entre Ríos Prov.: Concordia, on *Eupatorium* sp. **Holot.** [at upper left corner of the glass cover, marked] + **three parat.** in one slide; **eight parat.** in another slide. In **INTA**, **MACN**, **USNM**.

**A slide with parat.**, “Mesolecanium / obvium n. sp. / Serie tipo/ s/Eupatorium / Concordia, E. / Rios, Arg. / 193\_ col. D.C. / Det. C. Willink” handwr. In slide coll. under M50.

**paraguariensis** [*Pendularia*] Granara de Willink 1999: 129–131, f. 51. Misiones Prov.: Posadas, on *Ilex paraguariensis*, **holot.**, **eight parat.**, in **MACN**, **USNM**, **IFML**.

**A slide with parat.**, “Paratipo” print. on yellow paper, black frame; “*Pendularia* / *paraguariensis* / n. sp. / Paratipo”, “s/yerba mate / Proc.: Posadas (Misi- / ones) / 21.9-32” handwr. on pink paper, with slightly darker pink frame. In slide coll. under P”91.

**patagonica** [*Cryptinglisia*] Granara de Willink 1999: 86–89, f. 34. Chubut Prov.: Punta Norte, in Valdés Peninsula, on *Chuquiraga* sp. **Holot.**, **four parat.** in **IFML**, **MACN**, **USNM**.

**A slide with parat.**, “Paratipo” print. on yellow paper, black frame; “*Cryptinglisia* / *patagonica* / n.sp. / s/Chuquiraga / Punta Norte, Pla / de Valdez / R.Delhey / 25.II.1994” handwr. In slide coll. under C71.

**platensis** [*Pulvinaria*] Caride Massini & Brèthes 1918: 149–150, f. 1, pl. 1.

**A slide**, “Holotipo” print. on pink paper, black frame; “*Pulvinaria* / *platensis* Brèthes / type!” handwr. by Brèthes, overwritten with black ink, rest illegible (register reads “Sur Cognassier, Buenos Aires, R. Argentina, 12.XI.1917 leg. P.C. Massini”). In slide coll. under P80.

*Notes:* Holot. redescribed by C. Granara de Willink (1999: 148–150, f. 59). There is another slide, P81, “*Pulvinaria* / *platensis* Brèthes / 1° larve / Bs.As. 9.XI.1917” handwr. by Brèthes, not mentioned in the original publication.

**Types deemed to be housed in the museum but not found**

**antennaria** [*Mendozaana*, Cicadidae] Torres 1945. **Two parat.** Buenos Aires in **MACN**.

*Note:* Parat. not found.

**bosqi** [*Tettigades*, Cicadidae] Torres 1942: 258–259, f. 3: 1–3. Mendoza, leg. Lizer, **holot.** ♀, **seven** ♀ **parat.** in **MACN**.

*Note:* Holot. and two parat. not found. See at the main list for five parat.

**chacoana** [*Ceresa*, Membracidae] Remes Lenicov 1973b **Holot.** ♂, **allot.** ♀, **six parat.** in **MACN**.

*Note:* Holot., allot. and three parat. not found. See at the main list for three parat.

**fasciatithorax** [*Ceresa*, Membracidae] Remes Lenicov 1973 **Holot.**, **allot.** in **MACN**.

*Note:* Holot. not found; see at the main list for the allot.

**trigonocelis** [*Chonosia*, Cicadidae] Torres 1945. **One parat.** ♂ San Juan in **MACN**

*Note:* Parat. not found.

**Specimens labeled as types of names not found in the bibliography and probably not published**

#### Cicadomorpha

**fuembuenai** [*Prasinostoma*, Cicadidae] Torres **One spec.** pinned, wings extended, "Bolivia" handwr. on green paper, black frame, reverse white; "51462" handwr.; "Museo de La Plata / Alotipo [print.] / *Prasinostoma* / fuembuenai / Torres [handwr.]" on red paper, black frame; "M.B. Riv." handwr.

#### Psylloidea

**haumani** [*Trioza*] Brèthes

**One slide** with several specimens, "Trioza / Haumani Brèthes / type! / Córdoba" handwr. by Brèthes, "N°34" handwr. with pencil. In slide coll. under T53.

#### Aphidoidea

**mandevillae** [*Aresaphis*] Blanchard

**Fifteen slides**, remounted by Nieto Nafría from three original slides, "Aresaphis / mandevillae / n. sp. / Blanchard / Cotipos [repeated on one] [handwr.] / Lab. Zoología Agrícola [print.]", black frame; "s/Mandevilla / suaveolens / Lomas / 26-VI-1920" handwr., red frame. In slide coll. under A'80, A'81, A'82.

*Note:* Not published, *fide* Nieto Nafría *in litt.* 17.III.2000, and e-mail VI 2011. He remounted the spec. on fifteen slides. A synonym of *Aphis gossypi*. *fide* Nieto Nafría, personal communication (*in litt.*, e-mail VIII.2011).

**mimosae** [*Alphitoaphis*] Blanchard

**A slide** with four spec., the glass cover is split over three of them, "Alphitoaphis / mimosae / Blnchd. / Cotipos", "Mimosa / vallesiana / Loreto-Misiones / Ogloblin [handwr. by Blanchard] / Lab. Zoología Agrícola [print.]", black frame. In slide coll. under A'77.

*Note:* Not published, *fide* Nieto Nafría, personal communication *in litt.* 17.III.2000.

#### Coccoidea

**atamisqueae** [*Eriophyes*] Brèthes

**A slide** "Eriophyes / atamisqueae / Brèthes / type! / Córdoba / Hauman leg." handwr. by Brèthes; "N° 88" handwr. with pencil. In slide coll. under E6.

**baezi** [*Eriophyes*] Brèthes

**Three slides**, "Eriophyes Baezi / Brèthes / types! / Bell Ville / Baez leg. V.1924" handwr. by Brèthes. In slide coll. under E7 ("447" with pencil); E8 ("N° 49" with pencil); and E9 (with a red paper stripe).

**cestri** [*Lecanium*] Brèthes *nomen nudum*.

**Two slides, L3:** "Lecanium / cestri Brèthes / type! / Bs.As. III.922 / J.B. leg." handwr. by Brèthes, "Magnococcus / cestri G. de W." handwr. by C. Granara de Willink. **L4:** "Museo Argentino de Ciencias Naturales [print.] / Lecanium cestri / Typus Brths. [handwr.] / Det. [print.]".

*Note:* *Fide* Granara de Willink (1999: 107–109) the spec. of Brèthes are in a very poor condition. *Magnococcus cestri* Granara de Willink (1999: 107–109) is based on spec. identified by Morrison (1923) as *Eulecanium perinflatum* Cockerell. *Fide* Lizer y Trelles (1938) Brèthes recognized, but did not publish his *Lecanium cestri*.

**concordiae** [*Ceroplastes*] Brèthes

**Three slides: C12:** "Ceroplastes / concordiae / Brèthes / 17 / type! / Concordia IX.1921 / J.E. Bosch leg." handwr. by Brèthes. **C13:** "Ceroplastes 2 / concordiae / Brèthes / type! / Concordia IX.1921 / J.E. Bosch leg." handwr. by Brèthes. **C14:** "Ceroplastes / concordiae Brèthes / 23 / type! / Concordia IX.1921 / J.E. Bosch leg." handwr. by Brèthes. On C13 and C14 a red paper ribbon.

*Note:* Seemingly not published; spec. badly prepared, *fide* C. Granara de Willink, personal communication, *in litt.* 14.VIII.2000.

**marchionattii** [*Eriopeltis*] Brèthes

A slide with five spec., “Coccidae / *Eriopeltis* / *Marchionattii* / Brèthes / type! / Córdoba 20.VII.925 / J. Marchionatto leg.” handwr. by Brèthes. In slide coll. under E5.

**platensis** [*Ceroplastes*] Brèthes

Two slides, “*Ceroplastes/platensis* Br. [Brèthes] / sur *Ilex aquifolium* / BsAs 31.VII.917” handwr. by Brèthes. In slide coll. under C15, C16.

**Specimens labeled as types but not conforming a type series**

**Cicadomorpha**

**pauvilla** [*Tettigades*, Cicadidae] Torres 1958b: 66–67, pl. 3: f. 6–9; pl. 11: f. 2; pl. 19: f. 6. Chile: Cura Cautin, **holot.** ♂ in **MLP**. Chile: Victoria, **parat.** in **BM** and **MACN**. “Otro material estudiado”, without locality label, in **MACN**.

**One spec.** pinned, all four wings extended, “10048” handwr., red frame; “Chile” handwr. on green paper, black frame, reverse white; a circle of green paper; “Museo de La Plata [print.] / *Tettigades* / *pauvilla* / Torres [handwr.]” on red paper, black frame. “Museo de La Plata / *Tettigades* / *pauvilla* / Torres / Det. B.A. Torres [handwr.]” on white paper, black frame. a circle of green paper,

*Notes:* The spec. bears no type label, it is perhaps detached, or omitted. The type condition is dubious. See for one parat. in the main list, above.

**Aphidoidea**

**bonariensis** [*Macrosiphoniella tanacetaria* var.] Blanchard 1922a: 205–206, f. 10. Buenos Aires: Flores and Lomas de Zamora, virginip., apt. and macropt. **Types** in author’s coll., **EB**, but not found.

**bonariensis** [*Macrosiphoniella*]: Blanchard 1932: 19–21, f. 1. Buenos Aires 17.VI.1929, on cultivated *Pyrethrum*. Specific rank.

**bonariensis** [*Macrosiphoniella tanacetaria* subsp.]: Seco Fernández, Ortego, Mier Durante & Nieto Nafría 2000: 159–160. As a subspecies; a synonym of *M. tanacetaria italica*; only spec. of 1932 were seen, the types of 1922 were not seen. **Two original slides with synt.** “s/*Pyrethrum* sp. / Cap. Federal / 17-VI-1929”, “*Macrosiphum* [*Macrosiphoniella*] / *bonariensis* / Blnch. [Blanchard] / type! / [-]” handwr., red frame. Remounted by M.P.Mier VI.2000 on **5+1 slides**, with 1+1+1+1+1+2 spec.

*Notes:* I attach the original labels to each of the slides. In slide coll. under HOMII: 1 through 5 and 6 respectively. The name is available from 1922, but the spec. seen were collected in 1929, and cannot be accepted as types.

**Specimen labeled as type but probably not intended as a type**

**Fulgoromorpha**

**chilensis** [*Taracticus*] (Spinola): Berg 1881: 265–266. **One** ♀ Chile: Valdivia, leg. D.C. Anwandter, compared with Spinola’s type in Paris. Type in author’s coll., **CB**.

**One** ♀, pinned, “Typus” print. with red ink, red frame; “Valdivia / Anwandter” handwr., red frame; “*Taracticus* / *chilensis* (Spin.) / Berg”. “*Taracticus* / Berg” and “*chilensis* / Spin. / Chile” handwr., black frame, originally fastened to the bottom of the drawer.

*Note:* The “Typus” label is puzzling. “Type species of the new genus” was probably meant.

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