



## Type material housed in the Carcinological Collection of the Museo de La Plata, Argentina

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### Abstract

The Carcinological Collection of División Zoología Invertebrados, Museo de La Plata (FCNyM-UNLP) includes of 110 type lots of 42 species. A list of types of the crustacean orders Anostraca (8 species), Diplostraca (5 species), Arguloidea (3 species), Cyclopoida (1 species), Poecilostomatoida (8 species), Siphonostomatoida (2 species), Podocopida (4 species), Amphipoda (2 species), Isopoda (2 species), Mysida (2 species) and Decapoda (5 species) is presented. Species names are listed in systematical order, including type locality, collection number, current taxonomic status and original bibliographic reference. For parasite and commensal species, type host and site of infection are also provided.

**Key words:** Crustacea, catalogue, type material, Museo de La Plata

### Introduction

Natural history collections play an important role in the study and understanding of biodiversity. For such knowledge, type specimens are the base units of zoological nomenclature. The Invertebrate Collection of Museo de La Plata (MLP) of the Facultad de Ciencias Naturales y Museo, Universidad Nacional de La Plata, Argentina, is a significant resource of information on the invertebrate (excluding insects) biodiversity of Argentina. One of those collections is the Carcinological Collection, which consists of approximately 2,200 records. Of these crustacean records, 90% are from Argentina; approximately 65% are from inland waters (streams, rivers, lakes and ponds) and 35% are from marine and brackish environments. Crustacean groups with the highest number of records belong to Decapoda, followed in importance by Isopoda, Anostraca, Amphipoda and other records pertaining to Cirripedia, Branchiura and Copepoda. The province of Buenos Aires is the region best represented, with the largest number of lots, followed by Chubut, Tierra del Fuego, Santa Cruz and Río Negro.

The foundation of the collection was laid by Max Birabén and Raúl A. Ringuelet. The oldest specimens are from 1896-1897 and were collected by Juan Durione, Fernando Lahille and Miguel Fernandez. Since then, the collection increased thanks to researchers, students and citizen scientists. Researchers like G. Bond-Buckup, E. C. Lopretto, I. I. César, J. T. Timi and J. A. Etchegoin and others made important contributions to the collection while studying e.g. Aeglidae, Argulidae, free living and parasitic Copepoda, fish parasites, Trichodactilidae crabs, Sergestidae, and other shrimp. The collection also holds 550 zooplankton samples, including Copepoda and Cladocera from different localities of Argentina. Type material of 42 crustacean species, represented by 110 specimen lots, amounts to 5% of all records in the collection.

All records are digitized in a database using the software Access 2007 (Microsoft). Approximately 50% of the records are identified at generic or specific level and are currently available on GBIF sites (dataset Facultad de Ciencias Naturales y Museo).

The purpose of this publication is to provide a complete catalog of the type material currently deposited in the Carcinological Collection of the Museo de La Plata, Argentina.

## Material and methods

The specimens are stored in glass containers conserved in 70% ethanol, but some of them fixed in Formalin. Other specimens are stored in permanent and semi-permanent slide preparations (especially for microcrustaceans). There are also dry microscopic preparations and many whole dried decapods. The Collection is organized in lots. Each lot is a group of specimens from the same locality, the same date and collector. Wet lots are housed in a storage room specially equipped for wet conservation, shared with other Invertebrate Zoology Collections. This storage room has a forced air system for ventilation, an electrical system protected against vapors and fire extinguishers. The non-wet preparations are arranged in another storage room on wooden shelves. All the material is available for consultation. Unless otherwise stated, all the material is in good condition.

Each entry includes:

- 1 The name of the **taxon** in the original combination with its **author(s)** and **year** of publication. Asterisk (\*) denotes type species of the genus.
- 2 **Type locality** including country, province or state, department, specific locality, and coordinates.
- 3 **Type host** for parasite or commensal species, indicating species, author(s), and principal taxonomic group in brackets.
- 4 **Site of infection** in parasite or commensal species.
- 5 **Type status** (eg. holotype/syntype/paratype), the number and sex of specimens, **MLP-Cr catalog number**, date and name of collectors. The type categories follow articles 73-75 of the ICZN (1999).
- 6 **Current taxonomic status**, followed by revision history when applicable.
- 7 **Additional type holdings** at other repositories.
- 8 **Remarks** section when necessary.
- 9 **Reference(s)** includes publications with the original descriptions and those that mention type specimens of the MLP Carcinological Collection.

Cases where date of collection, locality and collector are not specified, this information is not available. Notwithstanding our efforts in finding type specimens that were cited in the literature as having been deposited in MLP Carcinological Collection, some of them have not been found up to now.

The classification follows Martin & Davis (2001).

Abbreviations: **AMG**: Albany Museum, Grahamstown, South Africa; **BMNH**: British Museum Natural History, London, **UK**; **CC-FC**: Colección de Crustáceos. Facultad de Ciencias, Universidad de La República, Montevideo, Uruguay; **FML**: Miguel Lillo Foundation, Instituto de Biología, Tucumán, Argentina; **IPCAS**: Institute of Parasitology, Academy of Sciences of the Czech Republic, Èeské Budjovice, Czech Republic; **MACN-In**: Museo Argentino de Ciencias Naturales “Bernardino Rivadavia”, Buenos Aires City, Argentina; **MLP-Cr**: Carcinological Collection, Museo de La Plata, Facultad de Ciencias Naturales y Museo, Universidad Nacional de La Plata, Argentina; **MNRJ**: Museo Nacional de Rio du Janeiro, Rio de Janeiro, Brazil; **NMA**: National Museum of Australia, Canberra, Australia; **SM**: Sars Museum, Oslo, Norway; **USNM**: National Museum of Natural History, Washington DC, USA.

## Results

### Class BRANCHIOPODA Latreille, 1817

#### Subclass Sarsostraca Tasch, 1969

#### Order Anostraca Sars, 1867

#### Family Branchinectidae Daday, 1910

***Branchinecta achalensis* César, 1985**

**Type locality.** Argentina, Córdoba Province, Pampa de Achala County (30°33'S-63°31'W).

**Holotype.** ♂, MLP-Cr 2; 1983-06-18. Collector: César, I.

**Paratypes.** MLP-Cr 24/2, same locality as the type, 1943-02-25. Collector: Birabén, M.; MLP-Cr 152/1, same locality as type, 1981-02-28. Collector: César, I.; MLP-Cr 25/3, Argentina, Córdoba Province, Los Gigantes (31°23'60"S-64°46'60"W), Collector: Birabén, M.; MLP-Cr 7/3, Argentina, Buenos Aires City, Bañado de Flores, near Riachuelo, 1950-02-16, Collector: Bachman, A.

**Current status.** Valid species.

**Remarks.** Other material examined, collected in “Los Gigantes” (Córdoba Province) and “Bañado Las Flores” (Buenos Aires City) here assigned as paratypes.

**Reference.** César (1985).

***Branchinecta leonensis* César, 1987**

**Type locality.** Argentina, Santa Cruz Province, Cerro León County (48°21'07"S-66°38'50"W)

**Holotype.** ♂, MLP-Cr3, 1948-03-07. Collector: Birabén, M.

**Paratypes.** ♀, MLP-Cr 4/2, same locality as type, 1948-03-07, Collector: Birabén, M.

**Current status.** Valid species.

**Reference.** César (1987a).

***Branchinecta palustris* Birabén, 1946**

**Type locality.** Argentina. Río Negro Province, La Escondida lagoon (40°18'S-65°58'W).

**Holotype.** ♂, MLP-Cr 13507/1, 1941-02. Collector: Birabén M.

**Allotype.** ♀, MLP-Cr 13507/2.

**Paratype** ♂ MLP-Cr 13507/3, same locality, date and collector as type.

**Current status.** Valid species.

**Additional types.** Paratypes. ♂ and ♀ at MACN-In.

**Reference.** Birabén (1946).

***Branchinecta papillosa* Birabén, 1946**

**Type locality.** Argentina, Chubut Province, Sarmiento County (45°36'S-69°04'W).

**Holotype.** ♂, MLP-Cr 13504/1, 1938-02-15.

**Allotype.** ♀, MLP-Cr 13504/2.

**Paratypes.** ♂ and ♀, MLP-Cr 13504/3.

**Current status.** Valid species

**Additional types.** Paratypes. ♂ and ♀ at MACN-In

**Remarks.** Type material lost.

**Reference.** Birabén (1946).

***Branchinecta santacruzensis* César, 1987**

**Type locality.** Argentina, Santa Cruz Province, Coyle County near Güer Aike (51°37'S-69°37'W).

**Holotype.** ♂, MLP-Cr 4/1, 1939-03-15. Collector: Birabén M.

**Paratypes.** 7 ♂ and 20 ♀, MLP-Cr 90/1, same locality, date and collector as type.

**Current status.** Junior synonym of *Branchinecta granulosa* Daday, 1902 according to Cohen (1995).

**Reference.** César (1987b), Cohen (1995)

***Branchinecta tarensis* Birabén, 1946**

**Type locality.** Argentina, Santa Cruz Province, pools near Tur Lake 48°54'S-72°36'W

**Holotype.** ♂, **MLP-Cr 13500/1**, 1936-03-02. Collector: Birabén M.

**Paratypes.** ♀ (allotype), **MLP-Cr 13500/2**; 6 ♂ and 20 ♀, **MLP-Cr 13500/3**, same locality, date and collector as type.

**Current status.** Valid species.

**Additional types.** Paratype ♀ deposited at **MACN-In**.

**Reference.** Birabén (1946).

***Branchinecta valchetana* Cohen, 1981**

**Type locality.** Argentina, Río Negro Province, Provincial Route 251, between General Conesa and San Antonio Oeste (40°27'S-64°37'W).

**Paratypes.** 2 ♂ and 2 ♀, **MLP-Cr 157**, from the same locality as type, 1974-07. Collector: Bachmann, A.

**Current status.** Valid species.

**Additional types.** Holotype. ♂ **MACN-In 30273**. Allotype. ♀ **MACN-In 30275**. Paratypes. 2 ♂ **MACN-In 30274** and 2 ♀ **MACN-In 30276**.

**Reference.** Cohen (1981).

**Family Thamnocephalidae Simon, 1886**

***Phallocryptus salinicola* Birabén, 1951**

**Type locality.** Argentina, Córdoba Province, Totoralejos County (31°26'S-64°71'W).

**Syntype.** ♂, **MLP-Cr 52/1** and ♀, **MLP-Cr 52/2**, 1950-03-08. Collector: Birabén M.

**Current status.** Junior synonym of *Phallocryptus uriga* (Smirnov, 1948) according to Belk & Brtek (1995).

**Additional types.** Syntypes **MACN-In 9411**, and **MACN-In 32039**.

**Reference.** Birabén (1951), Belk & Brtek (1995).

**Subclass Phyllopoda Preuss, 1951**

**Order Diplostraca Gerstaecker, 1866**

**Suborder Spinicaudata Linder, 1945**

**Family Limnadiidae Baird, 1849**

***Limnadia sanitaguensis* César, 1991**

**Type locality.** Argentina, Santiago de Estero Province, Salinas Grande County (30°08'S-65°13'W).

**Holotype.** ♂, **MLP-Cr 26886/1**, 1959-12-14. Collector: Birabén M.

**Paratypes.** **MLP-Cr 26886/2**, same locality, date and collector as type.

**Current status.** Valid species.

**Additional types.** Paratypes, 10 ♂ **BMNH** (B.M. Reg. N<sup>o</sup> 1989. 27-36) and 10 ♀ **BMNH** (B.M. Reg. N<sup>o</sup> 1989. 27-46).

**Reference.** César (1991).

**Suborder Cladocera Latreille, 1829**

**Infraorder Anomopoda Stebbing, 1902**

**Family Chydoridae Stebbing, 1902**

***Pleuroxus macquariensis* Frey, 1993**

**Type locality.** Australia, Macquarie Island (54°30'S-158°57'E).

**Paratype.** 1 parthenogenetic ♀, **MLP-Cr27164**, 1963. Collector: Jolly, V., same locality as type.

**Current status.** Valid species

**Additional types.** Holotype. **NMA P40965**. Paratypes. 1 Parthenogenetic ♀ respectively in **USNM, BMNH, AMG, NMA, SM** and Frey's personal collection in Bloomington.

**Reference.** Frey (1993).

***Pleuroxus paraplesius* Frey, 1993**

**Type locality.** Argentina, Santa Cruz Province, Monte Dinero, on road from Cabo Virgenes to Rio Gallegos (52°10'S-69°03'W).

**Holotype.** 1 mature parthenogenetic ♀, **MLP-Cr 27165**, 1989-01-28. Collector: Frey, D.G.

**Allotype.** ♂, **MLP-Cr 27166** and ♂ and ♀, **MLP-Cr 27167**, same locality, date and collector as type.

**Current status.** Valid species.

**Additional types.** Paratypes. 2 parthenogenetic ♀ respectively in **AMG, NMA, USNM, BMNH** and **SM**.

**Reference.** Frey (1993).

***Pleuroxus varidentatus* Frey, 1993**

**Type locality.** Argentina, Santa Cruz Province, Marshy channel in Punta Bandera on the southern shore of Lago Argentino (52°18'S-72°46'W).

**Holotype.** 1 parthenogenetic ♀, **MLP-Cr 27168**, 1989-01-20, Collector: Frey, D.G.

**Paratype.** ♀, **MLP-Cr 27169**, same locality, date and collector as type.

**Current status.** Valid species.

**Additional types.** Paratypes 2 parthenogenetic ♀, mounted on the same slide in glycerol jelly and 5 mature ♀ in a 1:1 mixture of 3% formaldehyde and glycerol **AMG, NMA, USNM, BMNH** and **SM**.

**Reference.** Frey (1993).

***Lynceus mallinensis* Pessacq, Epele & Rogers, 2011**

**Type locality.** Argentina, Chubut Province, Cholila, State Route 15, 28 km east of Cholila town, wetland by the side of the road (42°21'43.3"S-71°08'59.8"W).

**Holotype.** ♂, **MLP-Cr 26724**, 2006-12. Collectors: Epele, L., Miserendino, L. and Pessacq, P.

**Allotype.** ♀, **MLP-Cr 26725**.

**Paratypes,** 11 ♀ and 5 ♂, **MLP-Cr 26726**, same locality, date and collector as type.

**Current status.** Valid species.

**Additional types.** 1 ♂ and 2 ♀, same locality, date and collector as type, DCR-782, personal collection of D. Christopher Rogers.

**Reference.** Pessacq *et al.* (2011).

**Class MAXILLOPODA Dahl 1956**

**Subclass Branchiura Thorell, 1864**

**Order Arguloidea Yamaguti, 1963**

**Family Argulidae Leach, 1819**

***Argulus paranensis* Ringuélet, 1943**

**Type host.** *Salminus brasiliensis* (Cuvier, 1816) (Characiformes:Characidae)

**Site of infection.** Body surface.

**Type locality.** Argentina,Entre Ríos Province, Paraná City, Las Conchas stream (31°44'S-60°12'W).

**Holotype.** ♀, MLP-Cr 41, Collector: Allen, C.

**Current status.** Valid species.

**Reference.** Ringuélet (1943).

***Argulus patagonicus* Ringuélet, 1943**

**Type host.** *Percichthys trucha* (Valenciennes 1833) (Perciformes: Percichthyidae)

**Site of infection.** Body surface.

**Type locality.** Argentina, Rio Negro Province, Pelegrini Lake (38°41'S-67°59'W).

**Holotype.** ♀, MLP-Cr 128, 1935-07-17. Collector: Mac Donagh, E. J.

**Paratypes.** 4 ♂ and 2 ♀, MLP-Cr 129, same locality, host, date and collector as type.

**Current status.** Valid species.

**Reference.** Ringuélet (1943).

***Argulus pestifer* Ringuélet, 1948**

**Type host.** *Salminus brasiliensis* (Cuvier, 1816) (Characiformes: Characidae).

**Site of infection.** Body surface.

**Type locality.** Argentina, Entre Ríos Province.

**Syntype.** ♀, MLP-Cr 40, 1940-01. Collector: Castillos, S.

**Current status.** Valid species.

**Reference.** Ringuélet (1948a).

**Subclass Copepoda Milne-Edwards, 1840**

**Order Cyclopoida Burmeister, 1834**

**Family Ozmanidae Ho & Thatcher, 1989**

***Ozmana huarpium* Gamarra-Luques & Castro-Vazquez, 2004**

**Type host.** *Pomacea canaliculata* (Lamarck, 1822) (Mollusca: Ampullariidae).

**Site of infection.** Haemocoel, mantle cavity, ctenidium and penis sheath's groove.

**Type locality.** Argentina, Buenos Aires city, Rosedal lake (34°34'S-58°24'W).

**Paratypes.** 10 ♂, MLP-Cr 25806; 10 ♀ ovigerous with eggs, MLP-Cr 25807; 10 ♀, MLP-Cr 25808, same locality and host as type, 2004-03. Collector: Gamarra-Luques, C.D.

**Current status.** Valid species.

**Additional types.** Holotype. **MACN-In** 36047; Allotype. **MACN-In** 36048; Paratypes. **MACN-In** 36049/36050/36051.

**Reference.** Gamarra-Luques *et al.* (2004).

## **Order Poecilostomatoida Thorell, 1859**

### **Family Bomolochidae Claus, 1875**

#### ***Nothobomolochus cresseyi* Timi & Sardella, 1997**

**Type host.** *Engraulis anchoita* Hubbs & Marini, 1935 (Clupeiformes: Engraulidae)

**Site of infection.** Gills.

**Type locality.** Argentina, Buenos Aires coastal area (36°52'S-55°28'W).

**Holotype.** ♀, **MLP-Cr 26072**, 1995-09. Collector: Timi, J.

**Paratypes.** 2 ♀, **MLP-Cr 26073**, 1994-10, same locality, host and collector as type.

**Current status.** Valid species.

**Remarks.** 2 ♀ paratypes, IPCAS.

**Reference.** Timi & Sardella (1997).

### **Family Chondracanthidae Milne Edwards, 1840**

#### ***Acanthochondria helicoleni* Cantatore & Timi, 2010**

**Type host.** *Helicolenus lahillei* Norman, 1937 (Scorpaeniformes: Sebastidae)

**Site of infection.** Branchiostegal pocket and gill arch.

**Type locality.** Argentinean-Uruguayan Common Fishing (36°23'-36°49'S, 54°00'-54°11'W)

**Holotype.** ♀, **MLP-Cr 26533**, 2008-02. Collector: Cantatore, D.

**Allotype.** ♂, **MLP-Cr 26534**, same locality, host, date and collector as type.

**Paratype.** 2 ♀ with 1 ♂ attached, **MLP-Cr 26535**, same locality, host, date and collector as type.

**Current status.** Valid species.

**Reference.** Cantatore & Timi (2010).

#### ***Acanthochondria lilianae* Cantatore, Lanfranchi & Timi, 2011**

**Type host.** *Patagonotothen ramsayi* (Regan, 1913) (Perciformes: Nototheniidae).

**Site of infection.** Inner surface of operculum.

**Type locality.** Argentina, Patagonian Shelf (42°48'S-60°63'W).

**Holotype.** ♀, **MLP-Cr 26731**, 2007-11.

**Allotype.** ♂, **MLP-Cr 26732**, same locality and date as type.

**Paratype.** 2 ♀ with 1 attached ♂, **MLP-Cr 26733**, same locality and date as type.

**Current status.** Valid species.

**Reference.** Cantatore *et al.* (2011).

#### ***Acanthochondria sagita* Alarcos & Timi, 2011**

**Type host.** *Xystreurys rasile* (Jordan, 1890) (Pleuronectiformes: Paralichthyidae).

**Site of infection.** Gill rakers.

**Type locality.** Argentina, Coastal waters of Necochea (38°36'S-58°42'W).

**Holotype.** ♀, **MLP-Cr 26558**, 2009-12. Collector Alarcon, M. J.

**Allotype.** ♂, MLP-Cr 26559, same locality, host, date and collector as type; 2 ♀ with 1 ♂ attached, MLP-Cr 26560, same locality, host, date and collector as type.

**Current status.** Valid species.

**Additional types.** Paratypes. 2 sex, IPCAS (Cat.No. Cr-12).

**Reference.** Alarcos & Timi (2011).

### ***Acanthochondria serrani* Braicovich & Timi, 2009**

**Type host.** *Serranus auriga* (Cuvier 1829) (Perciformes: Serranidae)

**Site of infection.** Inner side of operculum.

**Type locality.** Argentina, Mar del Plata coastal zone (38°08'S-57°32'W).

**Holotype.** ♀, MLP-Cr 26209.

**Allotype.** ♂, MLP-Cr 26210.

**Paratypes.** 2 ♀ each with 1 ♂ attached, MLP-Cr 26211. May-July, October 2007, January, March-June 2008.

**Current status.** Valid species.

**Additional types.** Paratypes, 1 ♀ with 1 ♂, IPCAS (Cat.No. Cr-10).

**Reference.** Braicovich & Timi (2009).

### **\**Argentinochondria patagonensis* Etchegoin, Timi & Sardella, 2003**

**Type host.** *Genypterus brasiliensis* Regan, 1903 (Ophidiiformes: Ophidiidae).

**Site of infection.** Inner side of operculum, with head and neck buried into the host tissue.

**Type locality.** Argentina, San Jorge Gulf, Patagonia (47°S-67°30'W).

**Holotype.** ♀, MLP-Cr 5102, 1993-10.

**Allotype.** ♂, MLP-Cr 5103, same locality, host and date as type.

**Paratypes.** ♀, ♂, MLP-Cr 5104, 2 ♀ with attached ♂, same locality, host and date as type.

**Current status.** Valid species.

**Reference.** Etchegoin *et al.* (2003).

### ***Blias marplatensis* Timi, Etchegoin & Lanfranchi, 2004**

**Type host.** *Prionotus nudigula* Ginsburf 1950 (Scorpaeniformes: Triglidae).

**Site of infection.** Inner side of operculum.

**Type locality.** Argentina, Buenos Aires Coastal area of Mar del Plata (38°08'S-57°32'W).

**Holotype.** ♀, MLP-Cr 25809, 2004-05. Collector: Lanfranchi, A.

**Allotype.** ♂, MLP-Cr 25810, same locality, host, date and collector as the type

**Paratypes.** 3 ♀♀, MLP-Cr 25811, same locality, host, date and collector as type.

**Current status.** Valid species.

**Reference.** Timi *et al.* (2004).

### **Family Philichthyidae Vogt, 1877**

#### ***Colobomatus sudatlanticus* Pereira, Timi, Lanfranchi & Luque, 2012**

**Type host.** *Mullus argentinae* Hubbs & Marini, 1933 (Perciformes: Mullidae).

**Site of infection.** Pores of the cephalic sensory system and nostrils of hosts.

**Type locality.** Brazil, Santa Catarina State, Florianópolis (27°10'S-48°35'W). 2010-08.

**Paratypes.** 5 ♀, MLP-Cr 26759, 2011-08, same host as type, Argentina. Coastal waters of Mar del Plata (38°08'S-57°32'W). Collector: Timi, J.



**Current status.** Valid species.

**Additional types.** Holotype. ♀, MNRJ 23317. Paratypes. 10 ♀, MNRJ 23318-23320.

**Reference.** Pereira *et al.* (2012).

## **Order Siphonostomatoida Thorell, 1859**

### **Family Lernaepodidae Milne Edwards, 1840**

#### ***Parabrachiella spinicephala* Ringuélet, 1945**

**Type host.** *Pinguipes fasciatus* Jennyns, 1840 (Perciformis: Pinguipedidae)

**Site of infection.** Pectoral fin.

**Type locality.** Argentina, Buenos Aires, Mar del Plata County (38°05'S-57°32'W).

**Syntype.** 2 ♀ MLP-Cr 26922, 1929-11.

**Current status.** Valid species. *Neobrachiella spinicephala* (Ringuélet, 1945), new combination according to Etchegoin *et al.* (2006).

**Reference.** Ringuélet (1945), Etchegoin *et al.* (2006).

### **Family Lernanthropidae Kabata, 1979**

#### ***Lernanthropus cynoscicola* Timi & Etchegoin, 1996**

**Type host.** *Cynoscion striatus* (Cuvier, 1829) (Perciformes: Sciaenidae).

**Site of infection.** Gills.

**Type locality.** Argentina, Buenos Aires Province coastal area (38°05'S-57°32'W).

**Holotype.** ♀, MLP-Cr 26918, 1994-08. Collector: Timi, J.

**Allotype.** ♂, MLP-Cr 26919, same locality, host, date and collector as type.

**Paratypes.** 5 ♀, MLP-Cr 26920, same locality, host, date and collector as type.

**Current status.** Valid species.

**Additional types.** Paratype, IPCAS (Collector No-Cru-1).

**Reference.** Timi & Etchegoin (1996).

## **Class OSTRACODA Latreille, 1802**

### **Subclass Podocopa Sars, 1886**

#### **Order Podocopida Sars, 1866**

#### **Family Candonidae Kaufmann, 1900**

##### ***Keysercypria ivanae* Díaz & Lopretto, 2011**

**Type locality.** Argentina, Buenos Aires Province, Magdalena County, Atalaya (35°02'S-57°32'W).

**Holotype.** ♂, MLP-Cr 26498, 2008-12. Collector: Díaz, A.

**Allotype.** ♀, MLP-Cr 26499, same locality, date and collector as type

**Paratypes.** 1 ♀ and 5 ♂, MLP-Cr 26500, same locality, date and collector as type.

**Current status.** Valid species.

**Reference.** Díaz & Lopretto (2011).

## Family Cyprididae Baird, 1845

### *\*Argentocypris sara* Díaz & Martens, 2014

**Type locality.** Argentina, Neuquén Province, Laguna Blanca (39°02'S-70°21'W).

**Holotype.** ♂, MLP-Cr 26779, 2005-12-11. Collector: Marione, M. C

**Allotype.** ♀, MLP-Cr 26780, same locality, date and collector as type.

**Paratypes.** 2 ♂ and 9 ♀, MLP-Cr 26781, same locality, date and collector as type.

**Current status.** Valid species.

**Reference.** Díaz & Martens (2014).

### *Cypriconcha hypsophila* Díaz & Lopretto, 2009

**Type locality.** Argentina, Catamarca Province, Tinogasta, Los Aparejos (28°03'S-67°33'W).

**Holotype.** ♂, MLP-Cr 26137, 2005-01-04. Collector: Locascio, C.

**Allotype.** ♀, MLP-Cr 26138, same locality, date and collector as type.

**Paratypes.** 26 ♀ and 16 ♂, MLP-Cr 26139, same locality, date and collector as type.

**Current status.** Valid species.

**Reference.** Díaz & Lopretto (2009).

## Family Cytherideidae Sars, 1925

### *Cyprideis salebrosa hartmanni* Ramirez, 1967

**Type locality.** Argentina, Buenos Aires Province, La Plata (34°55'S-57°57'W).

**Holotype.** MLP-Cr 100, 1960-02. Collector: Ramírez, F.

**Current status.** Synonym of *Cyprideis hartmanni* Ramírez, 1967.

**Remarks.** Material lost.

**Reference.** Ramírez (1967).

## Class MALACOSTRACA Latreille, 1802

### Subclass Eumalacostraca Grobben, 1892

### Superorder Peracarida Calman, 1904

### Order ISOPODA Latreille, 1817

### Suborder Asellota Latreille, 1802

### Family Paramunnidae Vanhöffen, 1914

### *Austrosignum fuegiae* Doti & Roccatagliata, 2005

**Type locality.** Argentina, Tierra del Fuego Province, Beagle Channel, Sloggett Bay, (55°00.0'S-66°20.6'W).

**Holotype.** ♀, MLP-Cr 25812, 2001-02. Collector: Zelaya, D.

**Paratypes.** 20 ♀ and 40 ♂, MLP-Cr 25813, same locality, date and collector as type.

**Additional types.** Paratypes MACN-In 36246, MACN-In 36245.

**Current status.** Valid species. New combination *Advenogonium fuegiae* (Doti & Roccatagliata, 2005) and type species of *Advenogonium* according to Just & Wilson (2007).

**Reference.** Doti & Roccatagliata (2005), Just & Wilson (2007).

**Suborder Cymothoida Wägele, 1989**

**Infraorder Epicaridea Brandt & Poore (2003)**

**Family Bopyridae Rafinesque, 1815**

***Probopyrus ringueleti* Verdi & Schuldt, 1988**

**Type host.** *Palaemonetes argentinus* Nobili, 1901 (Caridea, Palaemonidae)

**Site of infection.** Gills chambers.

**Type locality.** Argentina, Buenos Aires Province, La Plata, Canal Villa Elisa (34°50'S-57°59'W).

**Paratypes.** 3 ♀ and 2 ♂, **MLP-Cr 26013**, **MLP-Cr 26014**, 1988-09-12, same locality as type. Collector: Schuldt, M

**Current status.** Valid species.

**Additional types.** Holotype ♀ and allotype ♂, CC-FC. Paratypes. 8 ♀ and 10 ♂ deposited at **MACN-In 33654**. 1982-11-12. Same collector as paratypes.

**Reference.** Verdi & Schuldt (1988).

**Order Amphipoda Latreille, 1816**

**Suborder Lowry & Myers, 2013**

**Family Dogielinotidae Gurjanova, 1953**

***Hyaella misionensis* Colla & César, 2015**

**Type locality.** Argentina, Misiones Province, Yabotí Biosphere Reserve, San Pedro and Guaraní Departments, Salto Isipós, near Paraíso stream (27°13.19'S-54°02.73'W).

**Holotype.** ♂, **MLP-Cr 26978**, 2011-10-19. Collectors: César, I and Martin, S.M.

**Paratypes.** 15 ♂, 15 ♀, 7 ovigerous ♀, and 70 juveniles, **MLP-Cr 26979**, same locality, date and collectors as type.

**Current status.** Valid species.

**Reference.** Colla César (2015).

**Suborder Gammaridae Latreille, 1802**

**Family Uristidae Hurley, 1963**

***Uristes yamana* Chiesa & Alonso de Pina, 2007**

**Type locality.** Argentina, Tierra del Fuego Province, Beagle Channel, Isla Lucas, (54°50'S-68°19'W).

**Paratypes.** 1 immature ♂, **MLP-Cr 26111**, same locality as type, 1997-12-10. Collector: Lovrich, G.; 3 unknown sex, **MLP-Cr 26112**, same locality as type, 1996-10-27. Collector: Roccatagliata, D.

**Current status.** Valid species.

**Additional types.** Holotype. ovigerous female **MACN-In 37099**. Paratypes. 2 immature ♂, 1 immature ♀, 3 unknown sex, **MACN-In 37100**; 1 ovigerous ♀, **MACN-In 37101**.

**Reference.** Chiesa & Alonso de Pina (2007).

## Order Mysida Haworth, 1825

### Family Mysidae Haworth, 1825

#### *Mysidopsis rionegrensis* Hoffmayer, 1993

**Type locality.** Argentina, Chubut Province, San Matías Gulf (41°00' S-65°06' WL).

**Holotype.** ♂, MLP-Cr 26915. 1968-3-5. Collector: Hoffmayer, M. S.

**Allotype.** ♀, MLP-Cr 26916, same locality and collector as type.

**Paratypes.** 11 ♂, 2 ♀, MLP-Cr 26917, same locality, date and collector as type.

**Current status.** Valid species.

**Additional types.** Paratypes USNM.

**Reference.** Hoffmayer (1993).

#### \**Pseudobranchiomysis arenae* Carcedo, Fiori & Hoffmeyer, 2013

**Type locality.** Argentina, Buenos Aires Province, Monte Hermoso County. (38°59'S-61°06'W).

**Holotype.** ♂, MLP-Cr 26847, 2010-11-25. Collector : Carcedo C.

**Allotype.** ♀, MLP-Cr 26848-1, same locality, date and collector as type.

**Paratypes.** 2 ♂ and 2 ♀, MLP-Cr 26848-2, same locality, date and collector as type.

**Current status.** Valid species.

**Reference.** Carcedo *et al.* (2013).

## Superorder Eucarida Calman, 1904

### Order Decapoda Latreille, 1802

#### Suborder Pleocyemata Burkenroad, 1963

#### Infraorder Anomura MacLeay, 1838

#### Family Aeglidae Dana, 1852

#### *Aegla intercalata* Bond-Buckup & Buckup, 1994

**Type locality.** Argentina, Catamarca Province, Las Lajas River (28°13'S-65°52'W).

**Holotype.** ♂ MLP-Cr 46/1, 1959-04. Collector: Sorrays, L.P.

**Paratypes.** 35 ♂ and 11 ♀, MLP-Cr 46/2, same locality, date and collector as type; 7 unknown sex. MLP-Cr 01/1, Argentina, Tucumán, Quebrada de los Sosas, Camino a Tafí del Valle, 1960-11-09.

**Current status.** Valid species.

**Additional types.** Paratypes MACN-In 7812, MACN-In 9418 and FML 0.0027.

**Reference.** Bond-Buckup & Buckup (1994), César & Damborenea (2010).

#### *Aegla montana* Ringuelet, 1960

**Type locality.** Argentina, Mendoza Province, El Sosneado, Atuel River (35°04'S-69°34'W), 1543 m a.s.l.

**Syntypes.** 5 ♂, MLP-Cr 41 (other numbers 86 and 4815), 1921. Collector: Carette, C.

**Current status.** Junior synonym of *Aegla affinis* Schmitt, 1942 according to Bond-Buckup & Buckup (1994).

**Remarks.** Ringuelet (1960) described the holotype and 4 paratypes. The collection presents only one lot with five specimens.

**Reference.** Ringuelet (1960), Bond-Buckup & Buckup (1994) and César & Damborenea (2010).

### *Aegla scamosa* Ringuélet, 1948

**Type locality.** Argentina, Mendoza Province, Fray Luis Beltrán (33°01'S-68°39'W).

**Lectotype.** ♂, MLP-Cr 87.

**Paralectotypes:** 13 ♂ and 19 ♀, same locality as type, 1942-02. Collector: McDonagh, E.

**Current status.** Valid species.

**Remarks.** Ringuélet (1948b: 315) reported the type material, 19 ♂ and 24 ♀, as “cotypes”, a term, which is not recognized by the International Code of Zoological Nomenclature (Recommendation 73E). Bond-Buckup & Buckup (1994) designated lectotype and paralectotypes.

**Reference.** Ringuélet (1948b), Bond-Buckup & Buckup (1994) and César & Damborenea (2010).

### *Aegla septentrionalis* Bond-Buckup & Buckup, 1994

**Type locality.** Bolivia, Tupiza (21°26'60"S-65°43'00" W).

**Holotype.** ♂, MLP-Cr 29/2 (other number 53), 1948. Collector: Klepovich, P.

**Paratypes.** 3 ♂ and 1 ♀ MLP-Cr 29/1 (other number 53), same locality, date and collector as type; MLP-Cr 104/2, Bolivia, Tarija, Río Sella (21°28'13,60"S-64°44'42,9" W) (200 m ahead the mouth of Guadalquivir River); MLP-Cr 175/1, Argentina, Jujuy, Cangrejillos (22°25'00"S-65°34'00" W), 1918-02. Collector: Cabrera, L.; MLP-Cr 79, Argentina, Salta, Río Arenales, 1946-05-05. Collector: Mac Donagh, E.

**Current status.** Valid species.

**Reference.** Bond-Buckup & Buckup (1994), César & Damborenea (2010).

### *Aegla singularis* Ringuélet, 1948

**Type locality.** Argentina, Misiones Province, Pindapoy County (27°45'S-55°48'W).

**Syntype.** 2 ♂ and 3 ♀, MLP-Cr 109 (other number 148), 1943-06-05. Collector: Bridarolli, A.

**Current status.** Valid species.

**Reference.** Ringuélet (1948c), Bond-Buckup & Buckup (1994), César & Damborenea (2010).

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