



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), Arguloida (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° 1989. 27-36) and 10 ♀ **BMNH** (B.M. Reg. N° 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).

References

- Alarcos, A.J. & Timi, J.T. (2011) A new species of *Acanthochondria* (Copepoda: Chondracanthidae) parasitizing the flounder *Xystreurus rasile* (Pleuronectiformes: Paralichthyidae) from Argentina. *Folia Parasitologica*, 58, 164–168.
<https://doi.org/10.14411/fp.2011.016>
- Belk, D. & Brtek, J. (1995) Checklist of the Anostraca. *Hydrobiologia*, 298, 315–353.
<https://doi.org/10.1007/BF00033826>
- Birabén, M. (1946) Sobre tres nuevas especies de *Branchinecta* de la Patagonia (Phyllopora). *Notas Museo La Plata, Zoología*, 11(94), 137–139.
- Birabén, M. (1951) Nuevo género de Phyllopora Anostraca (Crust.). *Physis*, 20, 324–329.
- Bond-Buckup, G. & Buckup, L. (1994) A Familia Aeglididae (Crustacea, Decapoda, Anomura). *Archivos de Zoología*, 32, 176–179.
<https://doi.org/10.11606/issn.2176-7793.v32i4p159-346>
- Braicovich, P.E. & Timi, J.T. (2009) *Acanthochondria serrani* sp. n. (Copepoda: Chondracanthidae) parasitic on *Serranus auriga* (Perciformes: Serranidae) from Argentinean waters. *Folia Parasitologica*, 56, 313–316.
<https://doi.org/10.14411/fp.2009.036>
- Cantatore, D.M.P. & Timi, J.T. (2010) *Acanthochondria helicoleni* sp. nov. (Copepoda, Chondracanthidae) parasitic on *Helicolenus lahillei* (Scorpaeniformes, Sebastidae) from Argentinean waters. *Acta Parasitologica*, 55, 386–391.
<https://doi.org/10.2478/s11686-010-0052-0>
- Cantatore, D.M.P., Lanfranchi, A.L. & Timi, J.T. (2011) New species of *Acanthochondria* (Copepoda: Chondracanthidae) infecting the long tail southern cod, *Patagonotothen ramsayi* (Perciformes: Nototheniidae), from Patagonian waters, Argentina. *Journal of Parasitology*, 97, 1007–1011.
<https://doi.org/10.1645/GE-2815.1>
- Carcedo, C., Fiori S. & Hoffmeyer, M. (2013) *Pseudobranchiomysis arenae*, a new genus and species of Leptomysinae

- (Crustacea: Mysida) in Argentinian sandy beaches. *Zootaxa*, 3647 (3), 479–487.
<https://doi.org/10.11646/zootaxa.3647.3.5>
- César, I.I. (1985) *Branchinecta achalensis* sp. nov. (Crustacea: Anostraca) de La Pampa de Achala (Córdoba, República Argentina). *Neotropica*, 31, 89–100.
- César, I.I. (1987a) *Branchinecta leonensis* sp. nov. (Crustacea: Anostraca) de la provincia de Santa Cruz, República Argentina. *Notas Museo La Plata, Zoología*, 21 (206), 77–86.
- César, I.I. (1987b). *Branchinecta santacruzensis* sp. nov. (Crustacea: Anostraca) de la Patagonia. *Neotropica*, 33 (90), 75–82.
- César, I.I. (1991) *Limnadia santiaguensis*, sp. n. (Conchostraca, Limnadiidae) de la Argentina. *Iheringia, Serie Zoología*, 71, 99–110.
- César, I.I. & Damborenea, C. (2010) Type and non-type specimens of *Aegla* (Decapoda: Anomura: Aeglidae) housed in the Museo de La Plata, Argentina. *Zootaxa*, 2337, 31–46.
- Chiesa, I.L. & Alonso de Pina, G.M. (2007) A new species of *Uristes* Dana, 1849 (Amphipoda: Lysianassoidea: Uristidae) from the Beagle Channel, Argentina. *Proceedings of the Biological Society of Washington*, 120, 446–458.
[https://doi.org/10.2988/0006-324X\(2007\)120\[446:ANSOUD\]2.0.CO;2](https://doi.org/10.2988/0006-324X(2007)120[446:ANSOUD]2.0.CO;2)
- Cohen, G.R. (1981) Notas sobre Anostracos Neotropicales (Crustacea).I. *Branchinecta valchetana* sp. nov. y redescrpción de *Branchinecta palustris* Birabén, 1946. *Physis*, B40 (98), 1–13.
- Cohen, G.R. (1995) Concerning the identity of *Branchinecta santacruzensis* César, 1987. *Hydrobiologia*, 298, 239–240.
<https://doi.org/10.1007/BF00033817>
- Colla, M.F. & César, I.I. (2015) A new species of *Hyaella* (Crustacea, Amphipoda, Dogielinotidae) from the Atlantic Forest of Misiones, Argentina. *Zookeys*, 481, 25–38.
<https://doi.org/10.3897/zookeys.481.9037>
- Díaz, A.R. & Lopretto, E.C. (2009) A new species of *Cypriconcha* Sars (Crustacea: Ostracoda) from high mountain wetlands of Argentina. *Zootaxa*, 2291, 51–64.
- Díaz, A.R. & Lopretto, E.C. (2011) A new species of *Keysercypria* Karanovic (Crustacea: Ostracoda) from Argentina. *Zootaxa*, 3063, 64–68.
- Díaz, A.R. & Martens, K. (2014) On *Argentocypris sara* gen. nov., sp. nov. (Ostracoda) from the Patagonian wetlands of Argentina. *Crustaceana*, 87, 507–550.
<https://doi.org/10.1163/15685403-00003300>
- Doti, B.L. & Roccatagliata, D. (2005) On two paramunid species from the Beagle Channel, Argentina (Crustacea: Isopoda: Asellota). *Proceedings of the Biological Society of Washington*, 118, 509–521.
[https://doi.org/10.2988/0006-324X\(2005\)118\[509:OTPSFT\]2.0.CO;2](https://doi.org/10.2988/0006-324X(2005)118[509:OTPSFT]2.0.CO;2)
- Etchegoin, J.A., Timi, J.T. & Sardella, N.H. (2003) *Argentinochondria patagonensis* n. gen., n. sp. (Copepoda: Chondracanthidae) parasitic on *Genypterus brasiliensis* (Pisces: Ophidiidae) from Patagonia, Argentina. *Journal of Parasitology*, 89, 701–704.
<https://doi.org/10.1645/GE-3110>
- Etchegoin, J.A., Timi, J.T. & Lanfranchi, A.L. (2006) Redescription of *Neobrachiella spinicephala* (Ringuélet, 1945) parasitic on *Pinguipes brasiliensis* Cuvier, 1829 from Argentina, with the first description of the male. *Acta Parasitologica*, 51, 290–293.
<https://doi.org/10.2478/s11686-006-0044-2>
- Frey, D.G. (1993) Species of *Pleuroxus* (Anomopoda, Chydoridae) from the subantarctic islands and southernmost South America: a partial unravelling of the *Pleuroxus aduncus* problem. *Hydrobiologia*, 262, 145–188.
<https://doi.org/10.1007/BF00010882>
- Gamarra-Luques, C.D., Vega I.A., Koch, E. & Castro-Vazquez, A. (2004) –Intrahost distribution and transmission of a new species of cyclopoid copepod endosymbiotic to a freshwater snail *Pomacea canaliculata* (Caenogastropoda, Ampullariidae) from Argentina. *Biocell*, 28, 155–164.
- Hoffmeyer, M.S. (1993) *Mysidopsis rionegrensis*, a new species of Mysidacea from San Matias Gulf, Argentina. *Physis*, 48, 15–19.
- Just, J. & Wilson, G.D.F. (2007) Revision of *Austrosignum* Hodgson and *Munnogonium* George & Strömberg (Paramunnidae) with descriptions of eight new genera and two new species, (Crustacea: Isopoda: Asellota). *Zootaxa*, 1515, 1–29.
- Martin, J.W. & Davis, G.E. (2001) *An updated Classification of the Recent Crustacea*. *Science Series 39*. Natural History Museum of Los Angeles County, Los Angeles, 132 pp.
- Pereira, A.N., Timi, J.T., Lanfranchi, A.L. & Luque, J.L. (2012) A new species of *Colomatus* (Copepoda, Phyllichthyidae) parasitic on *Mullus argentinae* (Perciformes, Mullidae) from South American Atlantic coast. *Acta Parasitologica*, 57, 323–328.
<https://doi.org/10.2478/s11686-012-0032-7>
- Pessacq, P., Epele, L.B. & Rogers, C.D. (2011) A new species of *Lynceus* (Crustacea: Branchiopoda: Laevicaudata) from Patagonia, with comments on laevicaudatan systematic. *Zootaxa*, 3043, 25–32.
- Ramírez, F.C. (1967) Ostrácodos de lagunas de la provincia de Buenos Aires. *Revista del Museo de La Plata, Nueva Serie, Zoología*, 73 (10), 5–54.
- Ringuélet, R.A. (1943) Revisión de los argúlidos Argentinos (Crustácea, Branchiura) con el catálogo de las especies neotropicales. *Revista del Museo de La Plata, Nueva Serie, Zoología*, 3(19), 43–99.

- Ringuelet, R.A. (1945) *Parabrachiella spinicephala* nueva especie de copépodo parasito. *Notas del Museo de La Plata, Zoología*, 10 (86), 129–135.
- Ringuelet, R.A. (1948a) Argúlidos del Museo de La Plata. *Revista del Museo de La Plata, Nueva Serie, Zoología*, 5, 281–296.
- Ringuelet, R.A. (1948b) Los "cangrejos" argentinos del genero *Aegla* de Cuyo y la Patagonia. *Revista del Museo de La Plata, Nueva Serie, Zoología*, 5, 315–319.
- Ringuelet, R.A. (1948c) Una nueva *Aegla* del Nordeste argentino. *Notas del Museo de La Plata, Zoología*, 13 (111), 203–208.
- Ringuelet, R.A. (1960) Notas sobre "*Aegla*" de Argentina y Paraguay (Crustacea, Decapoda, Anomura). *Physis*, 21 (61), 231–239.
- Timi, J.T. & Etchegoin, J.A. (1996) A new species of *Lernanthopus* (Copepoda: Lernanthropidae) parasite of *Cynoscionstriatus* (Pisces: Sciaenidae) from Argentinean waters, and new records of *Lernanthopus trachuri*. *Folia Parasitologica*, 43, 71–74.
- Timi, J.T. & Sardella, N.H. (1997) New species of *Nothobomolochus* (Copepoda: Bomolochidae) parasitic on *Engraulis anchoita* (Pisces: Engraulidae) from Argentina. *Folia Parasitologica*, 44, 305–308.
- Timi, J.T., Etchegoin, J.A. & Lanfranchi, A.L. (2004) *Blias marplatensis* sp. nov. (Copepoda, Chondracanthidae). *Acta Parasitologica*, 49, 332–335.
- Verdi, A.C. & Schuldt, M. (1988) Descripción y biología de *Probopyrus ringueleti* n. sp. (Crustacea, Bopyridae). Efectos sobre el hospedador *Palaemonetes argentinus* Nobili (Crustacea, Caridea, Palaemonidae). *Anales de la Sociedad Científica Argentina*, 118, 15–26.