

# Terrestrial Heteroptera (Hemiptera) from Moconá Provincial Park (Misiones, Argentina)

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**Abstract:** Moconá Provincial Park was created to protect the Paranaense forest including the Moconá Falls Natural National Monument. Knowledge of the insect fauna in the park is scarce and the Heteroptera have never been studied. In this work, 134 species from 17 families of Heteroptera collected in Moconá Provincial Park and surrounding areas included in the Yabotí Biosphere Reserve, are listed. The reduviids *Arilus gallus* (Stål, 1872), *Repipta taurus* (Fabricius, 1803), and *Zelus nugax* Stål, 1862; the tingids *Leptodictya (Hanuala) paspalii* Drake & Hambleton, 1934, and *Leptopharsa vittipennis* (Stål, 1873); the coreids *Camptischium niger* (Stål, 1870), *Leptoglossus ingens* (Mayr, 1865), *Chariesterus cuspidatus* Distant, 1892 and *Cebrenis supina* Brailovsky, 1995; the pentatomids *Alveostethus pseudopolitus* (Ruckes, 1957) and *Dryptocephala integra* Walker, 1867; and the blissid *Xenoblissus lutzi* Barber, 1954 are first records from Argentina.

**Key words:** Cimicomorpha, Coreoidea, Lygaeoidea, Pentatomoidea, Pyrrhocoroidea.

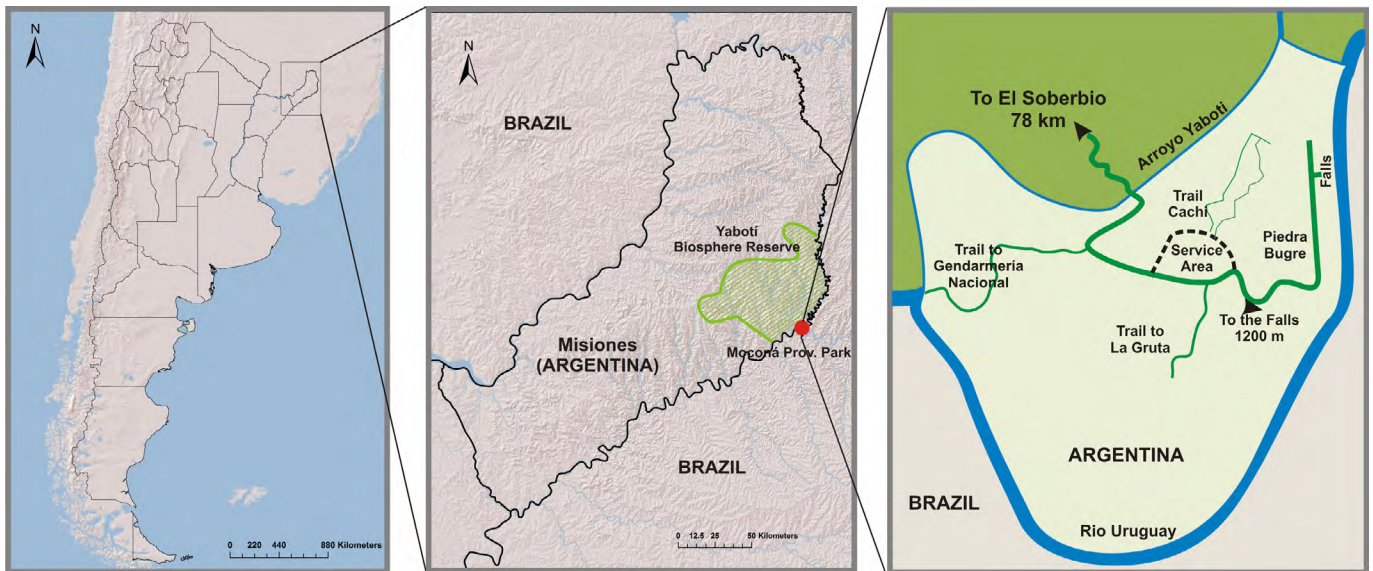
The South American Atlantic Forest is one of the largest and more threatened tropical rainforests in the world, as only remains 7% of its original extension (Plací and Di Bitetti 2005). This complex of ecoregions has been identified as one of the world biodiversity hotspots (Myers et al. 2000; Mittermeier et al. 2004). Despite its highly fragmented condition, the Atlantic Forest is still one of the most diverse biological ecosystems of the earth, containing 7% of the world's species (Cullen et al. 2001); with a high level of endemisms: 40% of plants, 42% of terrestrial vertebrates (Myers et al. 2000), 74% of bromeliads, 80% of primate species, and 92% of amphibians (Mittermeier et al. 1999; Valladares-Padua et al. 2002).

The two largest Atlantic Forest remnants, that accomplish near 10,000 km<sup>2</sup> each, are located in the Serra do Mar in the states of São Paulo and Paraná in Brazil, and through most of Misiones province in Argentina (Galindo-Leal and Câmara 2003; Giraudo et al. 2003). The Atlantic Forest complex includes fifteen ecoregions, the largest one is the Parana Forest, also known as the Atlantic Forest of Alto Parana, that extends from the western slopes of the Serra do Mar, in Brazil to eastern Paraguay and the province of Misiones in Argentina.

The conservation of Argentinean remnants of the Parana Forest is a key issue to maintain complete species assemblages, where ecological and evolutionary processes are proceeding unabated (Galindo-Leal and Câmara 2003; Giraudo et al. 2003, 2008). Knowledge of biodiversity in protected areas in Argentina is very limited, and has focused mainly on vertebrate taxa. Despite being the most diverse animal group, arthropods have been and remain minimally represented in biodiversity inventories; insects — as the most species-rich and ecologically varied and complex components of animal biodiversity — cannot be disregarded in assessing impacts of the environmental changes (New 2012).

Moconá Provincial Park was created in 1988 to protect the Paranaense forest including the Moconá Falls Natural National Monument (Ley Nacional N° 24.288). It covers about 1,000 ha of the southeastern part of the UNESCO Yabotí Biosphere Reserve, San Pedro Department, Misiones Province, Argentina (27°08' S/ 27°11' S – 053°53' W/053°56' W).

The knowledge about the insect fauna in the park is limited, and the Heteroptera have never been studied. Recent papers recorded five species from Moconá, two new to science (Montemayor and Dellapé 2011; Dellapé



**Figure 1.** Geographic location of Moconá Provincial Park in Yabotí Biosphere Reserve, Misiones province, Argentina.

and Montemayor 2012), and a new record of genus and species from Argentina (Dellapé and Melo 2012).

In order to manage and evaluate the effectiveness of protected areas to preserve biodiversity, it is important to have a comprehensive knowledge of the species under protection (Vieira et al. 2013). We aim to study and list the terrestrial Heteroptera found in Moconá Provincial Park in Misiones Province, Argentina.

## MATERIAL AND METHODS

Four field trips of about 10 days each were conducted to the Moconá Provincial Park (Figure 1), during III-2010, X-2010, III-2011, and III/IV-2012. Most of the specimens were collected using sweeping and beating nets; complementary collection was done by hand directly on the ground and visual inspection at light traps. Adults were preserved in 96% ethanol in the field, then mounted in the lab, and examined under a Nikon SMZ 1000 stereomicroscope. Whenever required to confirm identification, the genital capsule (in males) and genital segments (in females) were dissected and cleared with a saturated potassium hydroxide solution for observation; dissected genitalia were posteriorly preserved in microvials with glycerin. All specimens were deposited in the Entomological collection of the Museo de La Plata, Buenos Aires, Argentina (MLP). We also studied the Entomological collections of Museo Argentino de Ciencias Naturales, Buenos Aires, Argentina, (MACN), Instituto Miguel Lillo, Tucumán, Argentina (IMLA), and MLP. Additional specimens of the families Anthocoridae, Nabidae, Miridae, Thyreocoridae and Cyrtocoridae that were collected and not included in the present paper are deposited in MLP.

The known distribution of the species refers to the

political division of Argentina into provinces; other countries where the species have been recorded in the literature are mentioned.

## RESULTS

We list all taxa, determined to species level, belonging to 17 families of Heteroptera. The families studied were Reduviidae, Tingidae, Alydidae, Coreidae, Rhopalidae, Largidae, Pyrrhocoridae, Acanthosomatidae, Pentatomidae, Tessaratomidae, Blissidae, Berytidae, Geocoridae, Lygaeidae, Ninidae, Pachygronthidae and Rhyparochromidae. The five new species recently described or recorded from the Park are also included in the list (Montemayor and Dellapé 2011; Dellapé and Melo 2012; Dellapé and Montemayor 2012).

### Cimicomorpha

#### Reduviidae

##### Apiomerinae

##### *Apiomerus flavipennis* Herrich-Schäffer, 1848

**DISTRIBUTION:** Argentina: Chaco, Corrientes and Misiones (Olivo and Coscarón 2009); Brazil (Maldonado Capriles 1990).

**MATERIAL EXAMINED:** 1♂, 4-III-2010, Dellapé, P.M. col.; 1♀, 19-III-2011, Dellapé, P.M. col.; 1♀, 22-III-2011, Montemayor, S.I. col.; 1♀, Camino a Gendarmería, 2-IV-2012, Montemayor, S.I. col.

##### Bactrodinae

##### *Bactrodes misionensis* Coscarón & Melo, 2003

**DISTRIBUTION:** Argentina: Misiones (Coscarón and Melo 2001).

**MATERIAL EXAMINED:** 1♀, 20-III-2011, Dellapé, P.M.

col.; 1♂ 2♀, 23-III-2011, Montemayor, S.I. col.; 1♂, 23-III-2011, Montemayor, S. I. col.

### Emesinae

#### *Emesaya pollex* McAtee & Malloch, 1925

DISTRIBUTION: Argentina: from north of Argentina to Río Negro, Chaco, Corrientes and Tucumán (Wygodzinsky 1966; Melo et al. 2004); Brazil, Peru and Paraguay (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♀, 1-IV-2012, Dellapé, P.M. col.; 1♀, 1-IV-2012, Melo, M.C. col.

### Harpactorinae

#### *Arilus gallus* (Stål, 1872) FIRST COUNTRY RECORD

DISTRIBUTION: Colombia, Ecuador, Panama, and Venezuela (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♀, 1-IV-2012, Dellapé, P.M. col.

#### *Atrachelus (Atrachelus) cinereus* (Fabricius, 1798)

DISTRIBUTION: Argentina: Buenos Aires, Catamarca, Chaco, Córdoba, Corrientes, Entre Ríos, Formosa, Jujuy, La Pampa, La Rioja, Mendoza, Misiones, Salta, San Juan, San Luis, Santa Fe, Santiago del Estero and Tucumán (Wygodzinsky 1948; Melo et al. 2011); Chile, Cuba, Guatemala, Mexico and Uruguay (Maldonado Capriles 1990).

MATERIAL EXAMINED: 2♂ 1♀, 4-III-2010, Dellapé, P.M. col.; 1♀, 5-III-2010, Dellapé, P.M. col.; 1♂, 20-III-2011, Montemayor, S.I. col.; 3♂ 6♀, 23-III-2011, Montemayor, S.I. col.; 2♂ 2♀, camino de entrada, 31-III-2012, Montemayor, S.I. col.; 1♂ 1♀, Camino a Gendarmería, 2-IV-2012, Dellapé, P.M. col.; 1♂ 1♀, 2-IV-2012, Melo, M.C. col.; 1♀, Obeia Negra, 2-IV-2012, Montemayor, S.I. col.

#### *Cosmoclopius annulosus* Stål, 1872

DISTRIBUTION: Argentina: Corrientes (Melo and Coscarón 2004); Brazil (Maldonado Capriles 1990).

MATERIAL EXAMINED: 3♂ 2♀, 4-III-2010, Dellapé, P.M. col.; 1♀, 5-III-2010, Dellapé, P.M. col.; 1♂ 1♀, 2-X-2010, Dellapé, P.M. col.; 1♂ 2♀, 30-X-2010, Montemayor, S.I. col.; 1♂, 2-IV-2012, Montemayor, S.I. col.

#### *Cosmoclopius nigroannulatus* (Stål, 1860)

DISTRIBUTION: Argentina: Catamarca, Chaco, Córdoba, Corrientes, Entre Ríos, Formosa, Jujuy, Misiones, Salta, Tucumán, San Luis and Santiago del Estero (Melo and Coscarón 2004); Bolivia, Brazil, Uruguay and Galápagos? (Maldonado Capriles 1990).

MATERIAL EXAMINED: 3♂ 2♀, 2-X-2010, Dellapé, P.M. col.; 1♀, 21-III-2011, Montemayor, S.I. col.; 1♂, 22-III-2011, Dellapé, P.M. col.; 2♂ 3♀, 23-III-2011, Montemayor, S.I. col.; 1♀, 2-IV-2011, Montemayor, S.I. col.

#### *Cosmoclopius pallidus* Berg, 1879

DISTRIBUTION: Argentina: Córdoba (Melo and Coscarón 2004); Uruguay (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♀, 19-III-2011, Dellapé, P.M. col.

#### *Debilis fusciventris* Stål, 1859

DISTRIBUTION: Argentina: Corrientes (Melo et al. 2004); Brazil (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♂, 1-IV-2012, Melo, M.C. col.

#### *Harpactor tuberculosus* Stål, 1872

DISTRIBUTION: Argentina: Córdoba and Misiones (Wygodzinsky 1946); Bolivia, Brazil and Uruguay (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♀, Obeia Negra, 2-IV-2012, Melo, M.C. col.

#### *Heza insignis* Stål, 1859

DISTRIBUTION: Argentina: Formosa and Misiones (Pennington 1921); Bolivia and Brazil (Maldonado Capriles 1976, 1990).

MATERIAL EXAMINED: 1♂, 1-IV-2012, Dellapé, P.M. col.

#### *Repipta flavicans* (Amyot & Serville, 1843)

DISTRIBUTION: Argentina: Buenos Aires, Corrientes, Entre Ríos and Santa Fe (Pennington 1921; Melo et al. 2004); Bolivia, Brazil, Cuba, Guatemala, Guyane, Honduras and Uruguay (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♀, 4-III-2010, Dellapé, P.M. col.; 2♂, 2-X-2010, Dellapé, P.M. col.; 1♀, 20-III-2011, Montemayor, S.I. col.; 3♀, 20-III-2011, Dellapé, P.M. col.; 1♂, 21-III-2011, Montemayor, S.I. col.; 1♀, Obeia Negra, 21-III-2011, Dellapé, P.M. col.; 1♀, 23-III-2011, Montemayor, S.I. col.; 1♀, 23-III-2011, Dellapé, P.M. col.; 1♀, 1-IV-2012, Montemayor, S.I. col.

#### *Repipta taurus* (Fabricius, 1803) FIRST COUNTRY RECORD

DISTRIBUTION: Cuba, El Salvador, Guatemala, Honduras, Mexico, Panama and USA (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♀, 22-III-2011, Montemayor, S.I. col.; 1♀, 23-III-2011, Dellapé, P.M. col.; 1♀, 2-X-2010, Dellapé, P.M. col.

#### *Ricolla quadrispinosa* (Linné, 1767)

DISTRIBUTION: Argentina: Entre Ríos and Misiones (Berg 1879a; Pennington 1921; Olivo and Coscarón 2009); Bolivia, Brazil, Guyana, Paraguay and Peru (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♂, 4-III-2010, Dellapé, P.M. col.; 1♀, 2-X-2010, Montemayor, S.I. col.; 2♀, 2-III-2011, Montemayor, S.I. col.; 1♂, 2-III-2011, Dellapé, P.M. col.; 1♀, 21-III-2011, Montemayor, S.I. col.; 1♀, 23-III-2011, Montemayor, S.I. col.

#### *Sindala granuligera* (Stål, 1860)

DISTRIBUTION: Argentina: Corrientes (Melo et al.

2004); Brazil and Colombia (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♀, Obeia Negra, 21-III-2011, Montemayor, S.I. col.; 1♀, 22-III-2011, Montemayor, S.I. col.; 1♂, 23-III-2011, Montemayor, S.I. col.

***Zelus armillatus*** (Lepeletier & Serville, 1825)

DISTRIBUTION: Argentina: Corrientes, Misiones and Salta (Melo et al. 2004; Olivo and Coscarón 2009); Bolivia and Brazil (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♀, 3-X-2010, Dellapé, P.M. col.

***Zelus nugax*** Stål, 1862 FIRST COUNTRY RECORD

DISTRIBUTION: Belize, Brazil, Colombia, Ecuador, Honduras, Mexico, Paraguay, Peru and USA (Hart 1986; Maldonado Capriles 1990).

MATERIAL EXAMINED: 2♂, 20-III-2011, Montemayor, S.I. col.; 1♂, 21-III-2011, Montemayor, S.I. col.; 1♂, 1-IV-2012, Melo, M.C. col.

***Zelus obscuridorsis*** (Stål, 1860)

DISTRIBUTION: Argentina: Tucumán (Speranza et al. 2014); Bolivia and Brazil (Maldonado Capriles 1990).

MATERIAL EXAMINED: 1♀, 20-III-2011, Dellapé, P.M. col.; 1♀, 20-III-2011, Montemayor, S.I. col.; 1♀, 21-III-2011, Montemayor, S.I. col.; 1♀, 22-III-2011, Montemayor, S.I. col.; 1♀, 22-III-2011, Dellapé, P.M. col.; 2♀, Obeia Negra, 21-III-2011, Dellapé, P.M. col.; 1♀, same site, 21-III-2011, Montemayor, S.I. col.

**Phymatinae**

**Phymatini**

***Phymata (Phymata) delpontei*** Kormilev, 1950

DISTRIBUTION: Argentina: Chaco, Corrientes, Formosa and Misiones; Bolivia, Brazil and Paraguay (Kormilev 1951; Froeschner and Kormilev 1989).

MATERIAL EXAMINED: 1♂, Embarcadero Moconá, 31-III-2012, Montemayor, S.I. col.; 1♂, 1-IV-2012, Montemayor, S.I. col.; 2♀, Mesa Redonda, 2-IV-2012, Dellapé, P.M. col.; 1♀, 31-III-2012, Melo, M.C. col.

***Phymata (Phymata) vianai*** Kormilev, 1950

DISTRIBUTION: Argentina: Misiones; Paraguay (Kormilev 1951).

MATERIAL EXAMINED: 1♀, 21-III-2011, Montemayor, S.I. col.; 1♂, 31-III-2012, Melo, M.C. col.; 1♀, Mesa Redonda, 2-IV-2012, Dellapé, P.M. col.

**Macrocephalini**

***Macrocephalus tuberosus*** Westwood, 1843

DISTRIBUTION: Argentina: Chaco and Misiones; Brazil and Paraguay (Kormilev 1951).

MATERIAL EXAMINED: 1♂, 1-IV-2012, Montemayor,

S.I. col.; 1♀, camino de entrada al parque, 31-III-2012, Melo, M.C. col.

**Stenopodinae**

***Narvesus minor*** Barber, 1930

DISTRIBUTION: Argentina: Misiones and Rio Negro; Bolivia, Brazil, Guyane, Paraguay, Puerto Rico, Suriname and Trinidad (Giacchi 1974; Maldonado Capriles 1990).

MATERIAL EXAMINED: 2♂, 22-III-2011, light trap.

**Tingidae**

**Tinginae**

***Amblystira niborskiana*** Montemayor, 2010

DISTRIBUTION: Argentina: Misiones (Montemayor 2010a).

MATERIAL EXAMINED: 1♂ 1♀, 1-IV-2012, Melo, M.C. col.; 4♂ 3♀, 2-IV-2012, Montemayor, S.I. col.

***Corythaica passiflorae*** (Berg, 1884)

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Corrientes, Formosa, Jujuy, Mendoza, Misiones, Salta, San Juan and Santiago del Estero (Montemayor and Melo 2012).

MATERIAL EXAMINED: 6♂ 15♀, 31-III-2012, Melo, M.C. col.; 5♂ 7♀, 31-III-2012 Montemayor, S.I. col.; 4♀, 1-IV-2012, Melo, M.C. col.; 4♂ 2♀, 2-IV-2012, Melo, M.C. col.

***Leptocysta sexnebulosa*** (Stål, 1860)

DISTRIBUTION: Argentina: Buenos Aires, Corrientes, Misiones and Salta (Montemayor 2010b), Brazil, Colombia, Paraguay, Peru and Venezuela (Drake and Ruhoff 1965).

MATERIAL EXAMINED: 1♀, 1-IV-2012, Melo, M.C. col.; 1♂, Camino a Gendarmería, 2-IV-2012, Montemayor, S.I. col.

***Leptodictya (Hanuala) paspalii*** Drake & Hambleton, 1934 FIRST COUNTRY RECORD

DISTRIBUTION: Brazil (Drake and Ruhoff 1965).

MATERIAL EXAMINED: 1♂ 1♀, 23-III-2011, Dellapé, P.M. col.

***Leptopharsa vittipennis*** (Stål, 1873) FIRST COUNTRY RECORD

DISTRIBUTION: Brazil and Peru (Drake and Ruhoff 1965).

MATERIAL EXAMINED: 1♂ 2♀, 3-X-2010, Montemayor, S.I. col.

***Sphaerocysta globifera*** (Stål, 1858)

DISTRIBUTION: Argentina, Brazil and Paraguay (Guidoti and Montemayor 2014)

MATERIAL EXAMINED: 1♂ 1♀, 20-III-2011, Montemayor, S.I. col.; 2♂ 1♀, 23-III-2011, Dellapé, P.M. col.

***Teleonemia argentinensis*** Drake & Poor, 1942

DISTRIBUTION: Argentina: Misiones (Drake and Poor 1942).

MATERIAL EXAMINED: 1♀, 2-X-2010, Dellapé, P.M. col.; 1♀, 2-X-2010, Montemayor, S.I. col.; 1♂, 19-III-2011, Dellapé, P.M. col.; 7♂ 6♀, 20-III-2011, Dellapé, P.M. col.; 2♂ 5♀, 20-III-2011, Montemayor, S.I. col.; 1♂ 1♀, 22-III-2011, Dellapé, P.M. col.; 1♂ 2♀, 23-III-2011, Montemayor, S.I. col.; 1♂, 31-III-2012, Melo, M.C. col.; 2♂ 2♀, 1-IV-2012, Montemayor, S.I. col.; 6♂ 3♀, 1-IV-2012, Melo, M.C. col.

***Teleonemia bosqi*** Monte, 1943

DISTRIBUTION: Argentina: La Rioja, Mendoza, Salta, Santiago del Estero and Tucumán (Montemayor and Coscarón 2005).

MATERIAL EXAMINED: 1♀, 4-III-2010, del Río, M.G. col.

***Teleonemia carmelana*** (Berg, 1892)

DISTRIBUTION: Argentina: Córdoba, Corrientes and Mendoza (Montemayor and Coscarón 2005). Bolivia, Brazil, Chile, Paraguay, Peru and Uruguay (Drake and Ruhoff 1965).

MATERIAL EXAMINED: 2♂ 1♀, 31-III-2012, Montemayor, S.I. col.; 1♂ 1♀, 31-III-2012, Melo, M.C. col.; 1♀, Obeia Negra, 2-IV-2012, Montemayor, S.I. col.

***Teleonemia limbata*** (Stål, 1873)

DISTRIBUTION: Argentina, Brazil, Colombia, Paraguay and Venezuela (Drake and Ruhoff 1965).

MATERIAL EXAMINED: 1♂ 2♀, 1-IV-2012, Melo, M.C. col.

***Teleonemia tricolor*** (Mayr, 1865)

DISTRIBUTION: Argentina: Misiones (Montemayor and Coscarón 2005); Brazil, Canal Zone, Colombia, Ecuador, Guatemala, Panama, Paraguay, Peru, Surinam, Trinidad and Venezuela (Drake and Ruhoff 1965).

MATERIAL EXAMINED: 2♂, 22-III-2011, Dellapé, P.M. col.; 1♀, 23-III-2011, Dellapé, P.M. col.; 1♂, 31-III-2011, Melo, M.C. col.

**Pentatomomorpha****Alydidae****Micrellytrinae****Leptocorisini*****Stenocoris (Stenocoris) schaeferi*** Montemayor & Dellapé, 2011

DISTRIBUTION: Argentina: Corrientes, Formosa and Misiones (Montemayor and Dellapé 2011).

MATERIAL EXAMINED: 1♂ 1♀, 20-III-2011, Dellapé, P.M.

***Stenocoris (Oryzocoris) furcifera*** (Westwood, 1842)

DISTRIBUTION: Argentina: Corrientes, Formosa, Jujuy, Misiones and Santa Fe (Montemayor and Dellapé 2011);

Brazil, Guyane, Mexico, Panama, USA and Venezuela (Ahmad 1965).

MATERIAL EXAMINED: 2♂, 2-X-2010, Dellapé, P.M. col.; 1♂ 1♀, 19-III-2011, Dellapé, P.M. col.; 2♂ 3♀, 19-III-2011, Montemayor, S.I. col.; 1♀, 20-III-2011, Dellapé, P.M. col.; 1♂ 1♀, 22-III-2011, Dellapé, P.M. col.; 1♂, 20-III-2011, Montemayor, S.I. col.; 4♂ 2♀, 22-III-2011, Montemayor, S.I. col.; 2♀, 31-III-2012, Montemayor, S.I. col.; 1♂ 1♀, 1-IV-2012, Montemayor, S.I. col.

**Alydinae*****Apidaurus conspersus*** Stål, 1863

DISTRIBUTION: Argentina: Chaco, Formosa, Salta and Tucumán; Belize, Bolivia, Brazil, Colombia, French Guiana, Honduras, Mexico, Nicaragua, Paraguay, USA and Venezuela (Schaefer and Schaffner 2003).

MATERIAL EXAMINED: 1♀, 23-III-2011, Montemayor, S.I. col.

**Coreidae****Coreinae****Acanthocerini*****Camptischium clavipes*** (Fabricius, 1803)

DISTRIBUTION: Argentina: Córdoba, Jujuy, Misiones and Tucumán (Pennington 1921); Bolivia, Brazil, British Guiana, Lesser Antilles, Panama and Uruguay (Packauskas 2010).

MATERIAL EXAMINED: 1♀, 22-III-2011, Montemayor, S.I. col.

***Camptischium niger*** (Stål, 1870) FIRST COUNTRY RECORD

DISTRIBUTION: Brazil and Grenada (Packauskas 2010).

MATERIAL EXAMINED: 1♂, 2-X-2010, Montemayor, S.I. col.

***Crinocerus sanctus*** (Fabricius, 1775)

DISTRIBUTION: Argentina: Misiones (Pennington 1921); Bolivia, Brazil, Colombia, British Guiana and Paraguay (Packauskas 2010).

MATERIAL EXAMINED: 5♂ 5♀, 31-III-2012, Melo, M.C. col.

**Anisoscelini*****Dalatomammurius vandoesburgi*** (Brailovsky, 1982)

DISTRIBUTION: Argentina: Misiones; Bolivia, Brazil, Paraguay, Uruguay and Venezuela (Brailovsky 1990b; Packauskas 2010).

MATERIAL EXAMINED: 1♀, 31-III-2012, Montemayor, S.I. col.

***Holhymenia rubiginosa*** Breddin, 1904

DISTRIBUTION: Argentina: Buenos Aires and Misiones

(Brailovsky in press); Brazil (Packauskas 2010).

MATERIAL EXAMINED: 1♂, 1-IV-2012, Montemayor, S.I. col.

***Leptoglossus ingens*** (Mayr, 1865) FIRST COUNTRY RECORD

DISTRIBUTION: Bolivia, Brazil and Paraguay (Allen 1969; Packauskas 2010).

MATERIAL EXAMINED: 1♀, 19-III-2011, Dellapé, P.M. col.

***Leptoglossus neovexillatus*** Allen, 1969

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Corrientes, Jujuy, Misiones, Salta and Tucumán (Allen 1969; Brailovsky 2014); Bolivia, Brazil, Paraguay, Peru and Uruguay (Allen 1969; Packauskas 2010).

MATERIAL EXAMINED: 1♂, 22-III-2011, Montemayor, S.I. col.; 1♀, 1-IV-2012, Melo, M.C. col.

**Chariesterini**

***Chariesterus cuspidatus*** Distant, 1892 FIRST COUNTRY RECORD

DISTRIBUTION: México, Panama, USA and Venezuela (Ruckes 1955; Packauskas 2010).

MATERIAL EXAMINED: 1♂, 22-III-2011, Dellapé, P.M. col.; 1♂, 31-III-2012, Montemayor, S.I. col.; 1♀, 1-IV-2012, Dellapé, P.M. col.; 2♀, 2-IV-2012, Montemayor, S.I. col.

**Coreini**

***Acidomeria sordida*** (Berg, 1879)

DISTRIBUTION: Argentina: Buenos Aires, Corrientes, Entre Ríos, Misiones, Santiago del Estero, Tucumán and Martín García Is. (Pirán 1962b; Brailovsky 1988a); Bolivia, Paraguay and Uruguay (Brailovsky 1988a; Packauskas 2010).

MATERIAL EXAMINED: 1♀, 1-IV-2012, Dellapé, P.M. col.

***Althos obscurator*** (Fabricius, 1803)

DISTRIBUTION: Argentina: Buenos Aires, Corrientes, Entre Ríos, Jujuy, Misiones and Tucumán (Pennington 1921; Brailovsky 1990a); Brazil, Colombia, Costa Rica, Cuba, Dominica, Ecuador, Grenada, Guatemala, Isla Guadalupe, British Guiana, Mexico, Panama, Paraguay, Peru, Puerto Rico, Suriname, Trinidad and Tobago, Uruguay, USA and Venezuela (Brailovsky 1990a; Packauskas 2010).

MATERIAL EXAMINED: 3♂ 1♀, 2-X-2010, Montemayor, S.I. col.; 5♂ 4♀, 2-X-2010, Dellapé, P.M. col.; 1♂, 22-III-2011, Montemayor, S.I. col.

***Anasa scorbutica*** (Fabricius, 1775)

DISTRIBUTION: Argentina: Buenos Aires, Córdoba, Salta and Tucumán (Brailovsky 1985); Antigua and Barbuda [Antigua], Bahamas, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic,

Ecuador, El Salvador, British Guiana, French Guiana, Galapagos Islands, Granada, Guadalupe, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, St. John, St. Kitts, St. Vincent Is., Surinam, Trinidad and Tobago, USA, Venezuela and Virgin Is. (Brailovsky 1985; Packauskas 2010).

MATERIAL EXAMINED: 1♀, 23-III-2011, Dellapé, P.M. col.

***Anasa varicornis*** (Westwood, 1842)

DISTRIBUTION: Argentina: Misiones (Brailovsky 1985); Bolivia, Brazil, British Guiana, Paraguay, Trinidad and Tobago and Venezuela (Brailovsky 1985; Packauskas 2010).

MATERIAL EXAMINED: 2♀, 20-III-2011, Dellapé, P.M. col.; 1♀, 21-III-2011, Montemayor, S.I. col.; 3♀, 22-III-2011, Dellapé, P.M. col.; 1♂ 4♀, 23-III-2011, Dellapé, P.M. col.

***Cebrenis cauta*** Brailovsky, 1995

DISTRIBUTION: Argentina: Catamarca, Corrientes, Mendoza and Misiones (Brailovsky 1995; Packauskas 2010); Bolivia, Brazil, Grenada, Paraguay, Peru, Trinidad and Tobago and Venezuela (Brailovsky 1995; Packauskas 2010).

MATERIAL EXAMINED: 2♂ 6♀, 2-X-2010, Dellapé, P.M. col.; 1♂ 1♀, 2-X-2010, Montemayor, S.I. col.; 1♀, 23-III-2011, Dellapé, P.M. col.; 1♂, 23-III-2011, Montemayor, S.I. col.; 3♂ 3♀, 1-IV-2012, Melo, M.C. col.; 1♂, 1-IV-2012, Dellapé, P.M. col.; 4♀, Mesa Redonda, 2-IV-2012, Dellapé, P.M. col.; 1♂, Obeia Negra, 2-IV-2012, Dellapé, P.M. col.; 1♂ 1♀, 2-IV-2012, Dellapé, P.M. col.; 5♂ 4♀, 2-IV-2012, Montemayor, S.I. col.; 11♂ 19♀, Camino a Gendarmería, 2-IV-2012, Dellapé, P.M. col.

***Cebrenis centrolineata*** (Westwood, 1842)

DISTRIBUTION: Argentina: Misiones; Brazil, Colombia, Panama and Paraguay (Pennington 1921; Brailovsky 1995; Packauskas 2010).

MATERIAL EXAMINED: 1♂, 3-X-2010, Dellapé, P.M. col.; 1♀, 2-IV-2012, Dellapé, P.M. col.; 1♂, 31-III-2012, Montemayor, S.I. col.; 1♀, 1-IV-2012.

***Cebrenis supina*** Brailovsky, 1995 FIRST COUNTRY RECORD

Distribution: Brazil (Brailovsky 1995; Packauskas 2010).

MATERIAL EXAMINED: 1♀, Obeia Negra, 21-III-2011, Montemayor, S.I. col.; 2♀, 31-III-2012, Melo, M.C. col.; 2♂ 5♀, 31-III-2012, Montemayor, S.I. col.; 1♂, 1-IV-2012, Montemayor, S.I. col.; 2♂ 2♀, 2-IV-2012, Dellapé, P.M. col.; 2♂ 1♀, 2-IV-2012, Montemayor, S.I. col.

***Hypselonotus fulvus*** (De Geer, 1773)

DISTRIBUTION: Argentina: Jujuy, Misiones and Tucumán (Pennington 1921, Whitehead 1974); Belize, Bolivia, Brazil, British Guiana, Chile, Colombia, Mexico, Panama, Paraguay, Peru, Surinam, Trinidad, Uruguay and Venezuela (Whitehead 1974; Packauskas 2010).

MATERIAL EXAMINED: 1♀, 20-III-2011, Dellapé, P.M. col.; 1♀, 23-III-2011, Montemayor, S.I. col.

### ***Hypselonotus interruptus*** Hahn, 1833

DISTRIBUTION: Argentina: Misiones, Salta and Tucumán (Pennington 1921; Whitehead 1974); Belize, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Panama, Paraguay, Peru, Trinidad and Tobago and Venezuela (Whitehead 1974; Packauskas 2010).

MATERIAL EXAMINED: 1♂ 1♀, 2-X-2010, Dellapé, P.M. col.; 1♀, 3-X-2010, Montemayor, S.I. col.; 1♂, 20-III-2011, Montemayor, S.I. col.; 1♂, 20-III-2011, Dellapé, P.M. col.; 1♂ 2♀, 23-III-2011, Montemayor, S.I. col.; 1♀, 23-III-2011, Dellapé, P.M. col.; 1♀, Mesa Redonda, 2-IV-2012, Melo, M.C. col.; 1♀, 1-IV-2012, Dellapé, P.M. col.; 1♀, 2-IV-2012, Montemayor, S.I. col.

### ***Zicca annulata*** (Burmeister, 1835)

DISTRIBUTION: Argentina: Jujuy, Misiones and Salta; Bolivia, Brazil, Paraguay and Peru (Brailovsky and Cadena 1992; Packauskas 2010).

MATERIAL EXAMINED: 1♀, 2-X-2010, Montemayor, S.I. col.; 1♀, 20-III-2011, Montemayor, S.I. col.; 1♀, 23-III-2011, Montemayor, S.I. col.; 1♂, 22-III-2011, Dellapé, P.M. col.; 1♂, 31-III-2012, Montemayor, S.I. col.; 1♂ 1♀, 1-IV-2012, Melo, M.C. col.; 1♂, 1-IV-2012, Dellapé, P.M. col.

### **Hydarini**

#### ***Madura fuscoclavata*** Stål, 1860

DISTRIBUTION: Argentina: Chaco, Misiones, Salta and Santiago del Estero (Brailovsky and Rivera 1979; Brailovsky 1988b); Bolivia, Brazil, Paraguay and Peru (Brailovsky 1988b; Packauskas 2010).

MATERIAL EXAMINED: 1♂, Mesa Redonda, 2-IV-2012, Melo, M.C. col.

### **Leptoscelini**

#### ***Phthia lunata*** (Fabricius, 1787)

DISTRIBUTION: Argentina: Misiones (Pennington 1921); Brazil, Colombia, Costa Rica, Cuba, Mexico, Panama, Puerto Rico and Surinam (Brailovsky 2009; Packauskas 2010).

MATERIAL EXAMINED: 1♂, 19-III-2011, Montemayor, S.I. col.; 2♂ 2♀, 19-III-2011, Dellapé, P.M. col.; 1♂, 22-III-2011, Dellapé, P.M. col.

#### ***Phthiacnemia picta*** (Drury, 1773)

DISTRIBUTION: Argentina: Buenos Aires and Entre Ríos (Rizzo 1976); Brazil, Colombia, Costa Rica, Cuba, El Salvador, British Guiana, Honduras, Mexico, Nicaragua, Paraguay, Puerto Rico, St. Martin, Surinam, Uruguay

and Venezuela (Brailovsky 2009; Packauskas 2010).

MATERIAL EXAMINED: 1♂, 19-III-2011, Dellapé, P.M. col.

### **Rhopalidae**

#### **Rhopalinae**

#### **Harmostini**

#### ***Harmostes (Harmostes) prolixus*** Stål, 1860

DISTRIBUTION: Argentina: Buenos Aires, Catamarca, Chaco, Córdoba, Corrientes, La Rioja, Misiones, San Luis, Santa Fe, Santiago del Estero and Tucumán (Melo and Montemayor 2014); Bolivia, Brazil, Paraguay, Peru and Uruguay (Göllner-Scheiding 1978, 1983).

MATERIAL EXAMINED: 1♂, 2-X-2010, Dellapé, P.M. col.; 4♂ 1♀, 2-X-2010, Dellapé, P.M. col.; 2♀, 19-III-2011, Dellapé, P.M. col.; 1♂ 1♀, 19-III-2011, Montemayor, S.I. col.; 2♀, 31-III-2012, Dellapé, P.M. col.; 1♂, 31-III-2012, Montemayor, S.I. col.

#### ***Harmostes (Harmostes) serratus*** (Fabricius, 1775)

DISTRIBUTION: Argentina: Chaco, Córdoba, Corrientes, Formosa, Jujuy, Misiones, Salta, San Juan, Santa Fe, Santiago del Estero (Melo and Montemayor 2014); Bolivia, Brazil, Colombia, Ecuador, Paraguay, Peru, Venezuela, West Indies and USA (Göllner-Scheiding 1978).

MATERIAL EXAMINED: 1♂, 5-III-2010, Dellapé, P.M. col.; 2♀, 2-X-2010, Dellapé, P.M. col.; 2♂ 1♀, 3-X-2010, Dellapé, P.M. col.; 3♀, 19-III-2011, Dellapé, P.M. col.; 2♀, 20-III-2011, Montemayor, S.I. col.; 1♂, 20-III-2011, Dellapé, P.M. col.; 1♂ 1♀, 22-III-2011, Montemayor, S.I. col.; 1♂ 3♀, 22-III-2011, Dellapé, P.M. col.; 1♂ 2♀, 31-III-2012, Melo, M.C. col.; 4♂ 2♀, 31-III-2012, Dellapé, P.M. col.; 1♂ 1♀, 31-III-2012, Montemayor, S.I. col.; 1♀, 2-IV-2012, Dellapé, P.M. col.; 3♂, 2-IV-2012, Melo, M.C. col.

#### ***Harmostes (Harmostes) gravidator*** (Fabricius, 1794)

DISTRIBUTION: Argentina: Corrientes, Misiones (Melo and Montemayor 2014); Bolivia, Brazil, Colombia, México, Paraguay, Peru and Venezuela (Göllner-Scheiding 1978; 1983).

MATERIAL EXAMINED: 1♂, 5-III-2010, Dellapé, P.M. col.; 1♂ 2♀, 2-X-2010, Dellapé, P.M. col.; 1♂, 2-X-2010, Dellapé, P.M. col.; 2♀, 20-III-2011, Montemayor, S.I. col.; 1♂ 1♀, 20-III-2011, Dellapé, P.M. col.; 1♀, 22-III-2011, Montemayor, S.I. col.; 3♂ 2♀, 22-III-2011, Dellapé, P.M. col.; 1♀, 23-III-2011, Montemayor, S.I. col.; 1♀, 23-III-2011, Dellapé, P.M. col.

#### ***Harmostes (Neoharmostes) apicatus*** Stål, 1860

DISTRIBUTION: Argentina: Buenos Aires, Catamarca, Corrientes, La Pampa, La Rioja, Misiones, San Juan, Santa Fe and Santiago del Estero (Melo and Montemayor 2014); Bolivia, Brazil, Chile, Mexico, Paraguay and Uruguay (Göllner-Scheiding 1983).

MATERIAL EXAMINED: 1♀, 1-IV-2012, Melo, M.C. col.; 1♀, 2-X-2010, Montemayor, S.I. col.; 1♂, 20-III-2011, Montemayor, S.I. col.; 3♂ 4♀, 21-III-2011, Montemayor, S.I. col.; 1♂ 1♀, 22-III-2011, Montemayor, S.I. col.; 2♀, 20-III-2011, Dellapé, P.M. col.; 2♂ 1♀, 23-III-2011, Dellapé, P.M. col.; 2♂ 11♀, 19-III-2011, Dellapé, P.M. col.; 5♂ 3♀, 31-III-2012, Melo, M.C. col.; 3♂ 1♀, 31-III-2012, Dellapé, P.M. col.; 3♂ 5♀, 2-IV-2012, Melo, M.C. col.; 1♂ 1♀, 31-III-2012, Montemayor, S.I. col.; 1♂, 1-IV-2012, Montemayor, S.I. col.; 4♂, 2-IV-2012, Montemayor, S.I. col.; 5♂ 2♀, 2-IV-2012, Dellapé, P.M. col.

### ***Harmostes (Neoharmostes) procerus*** Berg, 1878

DISTRIBUTION: Argentina: Buenos Aires, Catamarca, Córdoba, Corrientes, Entre Ríos, Jujuy, La Pampa, La Rioja, Mendoza, Misiones, Neuquén, Río Negro, Salta, San Juan, San Luis, Santa Fe, and Tierra del Fuego (Melo and Montemayor 2014); Brazil, Peru and Uruguay (Göllner-Scheiding 1983).

MATERIAL EXAMINED: 1♂, 31-III-2012, Montemayor, S.I. col.

### ***Harmostes (Neoharmostes) corazonus*** Distant, 1893

DISTRIBUTION: Argentina: Buenos Aires (Melo and Montemayor 2014); Chile, Ecuador and Peru (Göllner-Scheiding 1983).

MATERIAL EXAMINED: 1♀, 2-IV-2012, Dellapé, P.M. col.

## **Niesthreini**

### ***Niesthrea pictipes*** (Stål, 1859)

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Salta, and Tucumán (Melo and Montemayor 2014); Brazil and Paraguay (Göllner-Scheiding 1983).

MATERIAL EXAMINED: 2♂ 3♂, 4-III-2010, Dellapé, P.M. col.; 2♂ 5♀, 5-III-2010, Dellapé, P.M. col.; 2♂ 1♀, 2-X-2010, Dellapé, P.M. col.; 29♂ 37♀, 19-III-2011, Montemayor, S.I. col.; 12♂ 18♀, 19-III-2011, Dellapé, P.M. col.; 19♂ 11♂, 20-III-2011, Montemayor, S.I. col.; 16♂ 12♀, 20-III-2011, Dellapé, P.M. col.; 3♂ 3♀, 21-III-2011, Montemayor, S.I. col.; 3♂ 6♀, 21-III-2011, Dellapé, P.M. col.; 1♂ 1♀, 22-III-2011, Dellapé, P.M. col.; 3♂ 3♀, 22-III-2011, Montemayor, S.I. col.; 37♂ 36♀, 23-III-2011, Montemayor, S.I. col.; 5♂ 3♀, 23-III-2011, Dellapé, P.M. col.; 16♂ 11♀, 31-III-2012, Melo, M.C. col.; 8♂ 4♀, 31-III-2012, Montemayor, S.I. col.; 7♂ 14♀, 1-IV-2012, Montemayor, S.I. col.; 9♂ 12♀, 1-IV-2012, Melo, M.C. col.; 10♂ 4♀, 2-IV-2012, Melo, M.C. col.; 14♂ 5♀, 2-IV-2012, Montemayor, S.I. col.; 5♂ 2♀, 31-III-2012, Dellapé, P.M. col.; 15♂ 10♀, 1-IV-2012, Dellapé, P.M. col.; 5♂ 9♀, 2-IV-2012, Dellapé, P.M. col.

### ***Niesthrea similis*** Chopra, 1973

DISTRIBUTION: Argentina: Misiones (Melo and Montemayor 2014); Brazil (Göllner-Scheiding 1983).

MATERIAL EXAMINED: 1♂, 4-III-2010, Dellapé, P.M. col.; 1♂, 21-III-2011, Montemayor, S.I. col.; 1♂ 1♀, 31-III-2012, Melo, M.C. col.; 2♂ 1♀, 1-IV-2012, Montemayor, S.I. col.; 4♂ 2♀, 2-IV-2012, Montemayor, S.I. col.

### ***Niesthrea vincentii*** (Westwood, 1842)

DISTRIBUTION: Argentina (Melo and Montemayor 2014); Cuba, Brazil, Panamá, Paraguay, Venezuela and West Indies (Saint Vincent Is.) (Chopra 1973).

MATERIAL EXAMINED: 1♂, 2-X-2010, Dellapé, P.M. col.; 2♂, 19-III-2011, Montemayor, S.I. col.; 1♂, 21-III-2011, Montemayor, S.I. col.; 1♂, 22-III-2011, Dellapé, P.M. col.; 4♂ 5♀, 23-III-2011, Montemayor, S.I. col.; 3♂ 3♀, 31-III-2012, Montemayor, S.I. col.; 1♂ 2♀, 31-III-2012, Melo, M.C. col.; 3♂ 4♀, 1-IV-2012, Montemayor, S.I. col.; 1♀, 1-IV-2012, Dellapé, P.M. col.; 2♂ 4♀, 1-IV-2012, Melo, M.C. col.; 8♂ 8♀, 2-IV-2012, Dellapé, P.M. col.; 14♂ 10♀, 2-IV-2012, Melo, M.C. col.

## **Chorosomini**

### ***Xenogenus picturatum*** Berg, 1883

DISTRIBUTION: Buenos Aires, Catamarca, La Rioja, Salta, and Santiago del Estero (Diez and Coscarón 2015); Bolivia, Cuba, Mexico, Puerto Rico, Uruguay and USA (Berg 1883; Brailovsky and Soria 1981).

MATERIAL EXAMINED: 3♂ 1♀, 31-III-2012, Montemayor, S.I. col.; 1♀, 31-III-2012, Melo, M.C. col.; 1♂ 1♀, 1-IV-2012, Montemayor, S.I. col.; 1♀, 1-IV-2012, Melo, M.C. col.; 1♀, 2-IV-2012, Dellapé, P.M. col.

## **Rhopalini**

### ***Lyorrhysus hyalinus*** (Fabricius, 1794)

DISTRIBUTION: Argentina: Misiones (Melo and Montemayor 2014); Cosmopolitan (Göllner-Scheiding 1983).

MATERIAL EXAMINED: 1♀, 2-X-2010, Dellapé, P.M. col.; 1♀, 2-X-2010, Montemayor, S.I. col.; 1♂ 3♀, 3-X-2010, Dellapé, P.M. col.

## **Serinethinae**

### ***Jadera coturnix*** (Burmeister, 1835)

DISTRIBUTION: Argentina (Melo and Montemayor 2014); Jamaica, Mexico and Panamá (Göllner-Scheiding 1979).

MATERIAL EXAMINED: 5♂ 2♀, 1-IV-2012, Montemayor, S.I. col.; 1♀, 1-IV-2012, Dellapé, P.M. col.; 2♂ 1♀, 2-IV-2012, Montemayor, S.I. col.; 3♀, 2-IV-2012, Melo, M.C. col.

## **Largidae**

### ***Largus humilis*** (Drury, 1782)

DISTRIBUTION: Argentina: Buenos Aires, Corrientes, Misiones, Santiago del Estero and Tucumán; Brazil and



Paraguay (Melo and Dellapé 2013).

MATERIAL EXAMINED: 1♀, 3-X-2010, Dellapé, P.M. col.; 1♂ 1♀, 23-III-2011, Dellapé, P.M. col.

**Largus rufipennis** Laporte, 1832

DISTRIBUTION: Argentina: Buenos Aires, Córdoba, Entre Ríos, Corrientes, La Rioja, Mendoza, Misiones, Rio Negro, Salta, Santiago del Estero and Tucumán; Bolivia, Brazil, Paraguay, Puerto Rico? (doubtful record) and Uruguay (Melo and Dellapé 2013).

MATERIAL EXAMINED: 1♀, 3-X-2010, Dellapé, P.M. col.

**Theraneis vittata** Spinola, 1837

DISTRIBUTION: Argentina: Misiones (Dellapé and Melo 2012); Brazil (Spinola 1837; Stål 1860).

MATERIAL EXAMINED: 1♀, Misiones, Moconá, X-1982 (IMLA).

**Pyrrhocoridae**

**Dysdercus albofasciatus** Berg, 1878

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Corrientes, Entre Ríos, Misiones and Tucumán (Melo and Dellapé 2013); Brazil, Paraguay and Uruguay (Hussey 1929; Doesburg 1968).

MATERIAL EXAMINED: 1♀, 6-III-2010, Dellapé, P.M. col.; 1♂, 23-III-2011, Montemayor, S.I. col.

**Dysdercus ruficollis** (Linné, 1764)

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Córdoba, Corrientes, Formosa, Jujuy, Misiones, Salta, Santiago del Estero and Tucumán (Melo and Dellapé 2013); Bolivia, Brazil, Colombia, Curaçao, Ecuador, El Salvador, Guyane, Mexico, Paraguay, Peru, Suriname, Trinidad and Venezuela (Hussey 1929; Costa Lima et al. 1962; Doesburg 1968).

MATERIAL EXAMINED: 6♂ 1♀, 4-III-2010, Dellapé, P.M. col.; 1♀, 5-III-2010, Dellapé, P.M. col.; 2♂ 2♀, 8-III-2010, Dellapé, P.M. col.; 1♀, 20-III-2011, Montemayor, S.I. col.

**Acanthosomatidae**

**Hellica nitida** Haglund, 1868

DISTRIBUTION: Argentina: Buenos Aires, Corrientes, Formosa and Misiones; Brazil and Uruguay (Ruffinelli and Pirán 1959; Quintanilla et al. 1975-76; Froeschner 2000).

MATERIAL EXAMINED: 1♂, 2-X-2010, Dellapé, P.M. col.

**Pentatomidae**

**Asopinae**

**Podisus nigrispinus** (Dallas, 1851)

DISTRIBUTION: Argentina: Buenos Aires, Corrientes, Chaco, Entre Ríos, Jujuy, Mendoza, Misiones, Salta, Santiago del Estero and Tucumán; Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Guyana, Panamá,

Paraguay, Peru, Surinam and Uruguay (Ruffinelli and Pirán 1959; Thomas 1992; Dellapé et al. 2003).

MATERIAL EXAMINED: 1♀, Obeia Negra, 21-III-2011, Montemayor, S.I. col.

**Supputius cinctipes** (Stål, 1858)

DISTRIBUTION: Argentina, Bolivia, Brazil, Chile, Paraguay and Venezuela (Thomas 1992; Prado 2008).

MATERIAL EXAMINED: 1♀, 21-III-2011, Montemayor, S.I. col.

**Tylospilus armatus** Thomas, 1992

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Entre Ríos and Santa Fe; Uruguay (Dellapé et al. 2003).

MATERIAL EXAMINED: 1♀, Obeia Negra, 21-III-2011, Dellapé, P.M. col.; 1♂ 1♀, 22-III-2011, Dellapé, P.M. col.; 1♀, Embarcadero, 31-III-2012, Montemayor, S.I. col.; 1♀, 1-IV-2012, Dellapé, P.M. col.

**Tynacantha marginata** Dallas, 1851

DISTRIBUTION: Argentina: Corrientes, Formosa, Jujuy, Misiones, Salta and Tucumán; Bolivia, Brazil, Colombia, Ecuador, Paraguay, Peru and Uruguay (Ruffinelli and Pirán 1959; Thomas 1992; Dellapé et al. 2003).

MATERIAL EXAMINED: 1♀, 21-III-2011, Montemayor, S.I. col.; 1♂, Camino de entrada, 31-III-2012, Montemayor, S.I. col.; 1♀, Mesa Redonda, 2-IV-2012, Dellapé, P.M. col.; 1♂, Camino a Gendarmería, 2-IV-2012, Montemayor, S.I. col.

**Discocephalinae**

**Alveostethus pseudopolitus** (Ruckes, 1957) FIRST COUNTRY RECORD

DISTRIBUTION: Paraguay (Ruckes 1966a).

MATERIAL EXAMINED: 1♀, 31-III-2012, Melo, M.C. col.

**Antiteuchus sepulcralis** (Fabricius, 1803)

DISTRIBUTION: Argentina: Corrientes (Quintanilla et al. 1975-76); Bolivia, Brazil, Suriname, Trinidad and Tobago and Venezuela (Fernandes and Grazia 2006).

MATERIAL EXAMINED: 1♂ 1♀, 23-III-2011, Dellapé, P.M. col.

**Dryptocephala integra** Walker, 1867 FIRST COUNTRY RECORD

DISTRIBUTION: Brazil (Ruckes 1966b).

MATERIAL EXAMINED: 1♂, 22-III-2011, Montemayor, S.I. col.; 1♀, 31-III-2012, Montemayor, S.I. col.

**Dryptocephala lurida** Erichson, 1848

DISTRIBUTION: Argentina: Corrientes and Misiones; British Guiana, Brazil and Colombia (Ruckes 1966b).

MATERIAL EXAMINED: 1♂, 22-III-2011, Montemayor, S.I. col.; 1♀, 31-III-2012, Montemayor, S.I. col.

**Dryptocephala punctata** Amyot & Serville, 1843

DISTRIBUTION: Argentina: Buenos Aires, Misiones

and Tucumán (Grazia and Schwertner 2008); Brazil, Peru, Uruguay and Venezuela (Ruffinelli and Pirán 1959; Ruckes 1966b).

MATERIAL EXAMINED: 1♂, 5-III-2010, Dellapé, P.M. col.

## Edessinae

### *Edessa mediatunda* (Fabricius, 1794)

DISTRIBUTION: Argentina: Buenos Aires, Catamarca, Córdoba, Corrientes, Entre Ríos, La Pampa, La Rioja, Mendoza, Misiones, Río Negro, Salta, San Juan, San Luis, Santa Fe, Santiago del Estero and Tucumán; Bolivia, Brazil, Cuba, French Guiana, Paraguay, Trinidad and Uruguay (Rizzo 1971; Grazia and Schwertner 2008).

MATERIAL EXAMINED: 1♂, 2-III-2011, Montemayor, S.I. col.; 2♂, Camino de entrada, 31-III-2012, Montemayor, S.I. col.; 1♂, 31-III-2012, Melo, M.C. col.; 2♀, 2-IV-2012, Dellapé, P.M. col.

### *Edessa rufomarginata* (De Geer, 1773)

DISTRIBUTION: Argentina: Buenos Aires, Córdoba, Corrientes, Entre Ríos, Jujuy, Mendoza, Misiones, Salta, Santa Fe and Tucumán (Silva et al. 2004; Grazia and Schwertner 2008); Belize, Brazil, Colombia, Costa Rica, French Guiana, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panamá, Peru, Surinam and Uruguay (Ruffinelli and Pirán 1959; Maes 1994).

MATERIAL EXAMINED: 1♂, 2-III-2011, Montemayor, S.I. col.; 2♂, Camino de entrada, 31-III-2012, Montemayor, S.I. col.; 1♂, 31-III-2012, Melo, M.C. col.; 2♀, 2-IV-2012, Dellapé, P.M. col.

## Pentatominae

### *Agroecus griseus* Dallas, 1851

DISTRIBUTION: From Panamá to Argentina: Misiones (Rider and Rolston 1987).

MATERIAL EXAMINED: 1♂, 2-III-2011, Montemayor, S.I. col.

### *Arvelius albopunctatus* (De Geer, 1773)

DISTRIBUTION: Argentina: Buenos Aires, Catamarca, Corrientes, Entre Ríos, La Rioja, Misiones and Salta; Antigua, Bahamas, Bolivia, Brazil, Colombia, Costa Rica, Cuba, El Salvador, Guyana, Guatemala, Haití, Mexico, Montserrat, Nicaragua, Panamá, Paraguay, Puerto Rico, Trinidad, USA, Uruguay, Venezuela and Virgin Is. (Berg 1878a; Quintanilla et al. 1968; Brailovsky 1981; Maes 1994).

MATERIAL EXAMINED: 1♀, Obeia Negra, 21-III-2011, Montemayor, S.I. col.

### *Banasa alboapicata* (Stål, 1860)

DISTRIBUTION: Argentina, Bolivia, Brazil, Ecuador, Paraguay and Peru (Thomas and Yonke 1990).

MATERIAL EXAMINED: 1♂, 23-III-2011, Dellapé, P.M. col.; 1♀, 2-IV-2012, Montemayor, S.I. col.; 1♀, 2-IV-2012, Dellapé, P.M. col.

### *Chinavia impicticornis* (Stål, 1872)

DISTRIBUTION: Argentina: Misiones and Salta (Pirán 1963; Grazia and Schwertner 2008); Bolivia, Brazil, Colombia, Ecuador, Paraguay, Peru, Suriname and Venezuela (Schwertner and Grazia 2007).

MATERIAL EXAMINED: 1♀, 31-III-2012, Melo, M.C. col.; 1♂, 31-III-2012, Montemayor, S.I. col.

### *Dichelops (Diceraeus) furcatus* (Fabricius, 1775)

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Córdoba, Corrientes, Entre Ríos, Jujuy, Mendoza, Misiones, Patagonia, Salta, San Juan, Santa Fe, Santiago del Estero and Tucumán; Bolivia, Brazil, Paraguay and Uruguay (Berg 1878b; Quintanilla et al. 1968; 1975-76; Grazia 1978).

MATERIAL EXAMINED: 1♀ 1♂, 2-X-2010, Dellapé, P.M. col.; 1♀, 3-X-2010, Dellapé, P.M. col.; 1♀, 31-III-2012, Melo, M.C. col.; 1♀, 31-III-2012, Dellapé, P.M. col.; 1♀, 31-III-2012, Montemayor, S.I. col.; 1♀, 1-IV-2012, Montemayor, S.I. col.; 1♂, 1-IV-2012, Melo, M.C. col.; 2♀ 1♂, 2-IV-2012, Montemayor, S.I. col.; 3♀, 2-IV-2012, Dellapé, P.M. col.; 1♂, 2-IV-2012, Melo, M.C. col.

### *Euschistus (Euschistus) heros* (Fabricius, 1794)

DISTRIBUTION: Argentina: Corrientes, Entre Ríos and Misiones (Grazia and Schwertner 2008); Brazil (Malaguido and Panizzi 1998).

MATERIAL EXAMINED: 2♀, 2-X-2010, Dellapé, P.M. col.; 2♀, 19-III-2011, Dellapé, P.M. col.; 2♀, 20-III-2011, Montemayor, S.I. col.; 1♀ 1♂, 20-III-2011, Dellapé, P.M. col.; 2♀, 21-III-2011, Montemayor, S.I. col.; 5♀, Obeia Negra, 21-III-2011, Dellapé, P.M. col.; 4♀, 22-III-2011, Dellapé, P.M. col.; 1♀, 22-III-2011, Montemayor, S.I. col.; 4♀ 3♂, 23-III-2011, Dellapé, P.M. col.; 2♀, 23-III-2011, Montemayor, S.I. col.; 3♀, Camino a Gendarmería, 2-IV-2012, Dellapé, P.M. col.

### *Euschistus (Lycipta) cornutus* Dallas, 1851

DISTRIBUTION: Argentina: Misiones (Berg 1878b); Brazil and Paraguay (Rolston 1982).

MATERIAL EXAMINED: 1♂, 21-III-2011, Montemayor, S.I. col.; 1♀ 1♂, 23-III-2011, Dellapé, P.M. col.; 1♀, 2-IV-2012, Montemayor, S.I. col.

### *Euschistus (Lycipta) picticornis* Stål, 1872

DISTRIBUTION: Argentina: Buenos Aires, Córdoba and Misiones; Brazil and Uruguay (Stål 1872; Berg 1879b; Ruffinelli and Pirán 1959).

MATERIAL EXAMINED: 2♀, 20-III-2011, Dellapé, P.M. col.; 1♂, 31-III-2012, Melo, M.C. col.

**Mayrinia curvidens** (Mayr, 1864)

DISTRIBUTION: Argentina: Corrientes and Misiones; Bolivia, Brazil and Paraguay (Pirán 1956; Grazia-Vieira 1972; Grazia and Schwertner 2008).

MATERIAL EXAMINED: 1♂, 22-III-2011, Dellapé, P.M. col.; 8♂ 2♀, 23-III-2011, Dellapé, P.M. col.; 1♂, 2-IV-2012, Montemayor, S.I. col.

**Mormidea notulifera** Stål, 1860

DISTRIBUTION: Argentina: Misiones; Brazil, Peru and Uruguay (Rolston 1978).

MATERIAL EXAMINED: 1♂, 2-X-2010, Dellapé, P.M. col.; 18♂ 1♀, 2-X-2010, Dellapé, P.M. col.; 1♂ 21♀, 3-X-2010, Dellapé, P.M. col.; 1♂, 20-III-2011, Dellapé, P.M. col.; 1♂, 20-III-2011, Montemayor, S.I. col.; 1♂, 20-III-2011, Dellapé, P.M. col.; 1♂, 22-III-2011, Montemayor, S.I. col.; 2♂, 22-III-2011, Dellapé, P.M. col.

**Mormidea quinqueluteum** (Lichtenstein, 1796)

DISTRIBUTION: Argentina: Buenos Aires, Corrientes, Entre Ríos, Misiones, Salta and Tucumán; Brazil, Paraguay and Uruguay (Rolston 1978; Quintanilla et al. 1968, 1975-76).

MATERIAL EXAMINED: 25♂ 12♀, 2-X-2010, Dellapé, P.M. col.; 6♂, 2-X-2010, Montemayor, S.I. col.; 2♂ 1♀, 3-X-2010, Dellapé, P.M. col.; 5♂ 4♀, 20-III-2011, Dellapé, P.M. col.; 5♂ 6♀, 20-III-2011, Montemayor, S.I. col.; 1♀, 21-III-2011, Montemayor, S.I. col.; 1♂, 22-III-2011, Montemayor, S.I. col.; 2♂ 2♀, 22-III-2011, Montemayor, S.I. col.; 4♂ 7♀, 22-III-2011, Dellapé, P.M. col.; 2♀, 2-IV-2012, Melo, M.C. col.; 1♂, 2-IV-2012, Montemayor, S.I. col.; 1♀, 2-IV-2012, Melo, M.C. col.; 1♀, Camino a Gendarmería, 2-IV-2012, Dellapé, P.M. col.; 1♀, Camino a Gendarmería, 2-IV-2012, Dellapé, P.M. col.

**Mormidea ypsilon** (Linné, 1758)

DISTRIBUTION: Argentina: Entre Ríos, Misiones and Santa Fe (Rolston 1978); Brazil, Caribe, Colombia, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Surinam and Uruguay (Ruffinelli and Pirán 1959; Maes 1994).

MATERIAL EXAMINED: 1♀, 2-X-2010, Montemayor, S.I. col.; 3♂ 3♀, 2-X-2010, Dellapé, P.M. col.; 1♂, 20-III-2011, Dellapé, P.M. col.; 1♂ 3♀, 20-III-2011, Dellapé, P.M. col.; 1♀, 20-III-2011, Montemayor, S.I. col.; 1♀, 20-III-2011, Montemayor, S.I. col.; 1♀, 22-III-2011, Dellapé, P.M. col.; 2♀, 23-III-2011, Montemayor, S.I. col.; 1♂, 2-IV-2012, Dellapé, P.M. col.

**Nezara viridula** (Linné, 1758)

DISTRIBUTION: Argentina: Buenos Aires, Catamarca, Chubut, Córdoba, Corrientes, Entre Ríos, La Pampa, La Rioja, Mendoza, Misiones, Río Negro, Salta, San Juan, San Luis, Santa Fe, Santiago del Estero and Tucumán

(Grazia and Schwertner 2008; Bado and Hughes 2010); Antigua, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominicana, El Salvador, French Guiana, Guatemala, Haiti, Hawaiian Islands, Honduras, Mexico, Montserrat, Nicaragua, Paraguay, St. Vincent Island, Uruguay, USA, Venezuela and Virgin Islands (Rizzo 1976; Maes 1994; Prado 2008). Cosmopolitan.

MATERIAL EXAMINED: 1♀, 23-III-2011, Dellapé, P.M. col.

**Oebalus ypsilongriseus** (De Geer, 1773)

DISTRIBUTION: Argentina: Chaco, Corrientes, Entre Ríos, and Misiones; Brazil, British Guiana, Paraguay, Peru, Surinam and Uruguay (Sailer 1944; Quintanilla et al. 1968; Rebagliati et al. 2005; Grazia and Schwertner 2008).

MATERIAL EXAMINED: 1♀, 2-X-2010, Dellapé, P.M. col.; 1♀, Camino a Gendarmería, 2-IV-2012, Melo, M.C. col.

**Pallantia macula** (Dallas, 1851)

DISTRIBUTION: Argentina: Misiones; Brazil and Paraguay (Grazia 1980).

MATERIAL EXAMINED: 1♀ 1♂, 20-III-2011, Montemayor, S.I. col.

**Piezodorus guildinii** (Westwood, 1837)

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Córdoba, Corrientes, Entre Ríos, Misiones and Santa Fe (Quintanilla et al. 1975-76, 1981; Grazia and Schwertner 2008); Brazil, Colombia, Costa Rica, Cuba, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panamá, Paraguay, St. Vincent Island, Uruguay and USA (Rizzo 1976; Maes 1994; Malaguido and Panizzi 1998).

MATERIAL EXAMINED: 1♀, Camino a Gendarmería, 2-IV-2012, Dellapé, P.M. col.

**Serdia indistincta** Fortes & Grazia, 2005

DISTRIBUTION: Argentina: Misiones; Brazil (Fortes and Grazia 2005).

MATERIAL EXAMINED: 1♂, 31-III-2012, Montemayor, S.I. col.

**Thyanta (Argosoma) brasiliensis** Jense-Haarup, 1928

DISTRIBUTION: Argentina: Córdoba and Misiones; Bolivia, Brazil, Paraguay and Peru (Rider and Chapin 1991).

MATERIAL EXAMINED: 1♀, 22-III-2011, Dellapé, P.M. col.; 1♀, 23-III-2011, Dellapé, P.M. col.; 1♀, 2-IV-2012, Dellapé, P.M. col.

**Thyanta (Argosoma) patruelis** (Stål, 1859)

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Corrientes, Entre Ríos, Formosa, Misiones and Santa Fe; Bolivia, Brazil, Paraguay, Peru and Uruguay (Rider and Chapin 1991).

MATERIAL EXAMINED: 1♀, 31-III-2012, Melo, M.C. col.; 1♀, 1-IV-2012, Montemayor, S.I. col.; 1♂, 31-III-2012,

Melo, M.C. col.; 2♂ 1♀, 1-IV-2012, Melo, M.C. col.; 1♂, 2-IV-2012, Dellapé, P.M. col.

***Thyanta (Thyanta) perditor*** (Fabricius, 1794)

DISTRIBUTION: Argentina: Jujuy, Misiones and Salta (Rider and Chapin 1991); Antigua, Bahamas, Barbados, Belize, Brazil, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, El Salvador, Granada, Guadalupe, Guatemala, Honduras, Jamaica, Martinica, Mexico, Nicaragua, Panamá, Puerto Rico, St. Vincent Island, St. Lucia, Trinidad, USA and Virgin Islands (Rider and Chapin 1992; Maes 1994).

MATERIAL EXAMINED: 1♀, 31-III-2012, Dellapé, P.M. col.; 1♂, 2-IV-2012, Melo, M.C. col.

**Tessaratomidae**

***Piezosternum thunbergi*** Stål, 1860

DISTRIBUTION: Argentina: Corrientes, Formosa and Misiones; Bolivia, Brazil, Paraguay and Uruguay (Pirán 1962a, 1971).

MATERIAL EXAMINED: 2♂ 2♀, Obeia Negra, 21-III-2011, Dellapé, P.M. col.; 1♀, 22-III-2011, Montemayor, S.I. col.

**Blissidae**

***Heteroblissus anomilis*** Barber, 1954

DISTRIBUTION: Argentina: Misiones (Slater and Wilcox 1968); Brazil (Barber 1954).

MATERIAL EXAMINED: 1♂ 1♀, 22-III-2012, Montemayor, S.I. col.; 1♂, 2-IV-2012, Dellapé, P.M. col.

***Ischnodemus bosqi*** Slater & Wilcox, 1969

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Corrientes and Misiones (Slater and Wilcox 1969; Melo et al. 2004).

MATERIAL EXAMINED: 1♀, Obeia Negra, 2-IV-2012, Melo, M.C. col.

***Ischnodemus nigromaculatus*** Slater & Wilcox, 1969

DISTRIBUTION: Argentina: Córdoba and Misiones (Slater and Wilcox 1969).

MATERIAL EXAMINED: 1♀, Obeia Negra, 2-IV-2012, Dellapé, P.M. col.

***Patritius grossus*** (Haglund, 1868)

DISTRIBUTION: Argentina: Misiones and “gran Chaco” (Berg 1892); Brazil and Paraguay (Haglund 1868; Slater and Wilcox 1966).

MATERIAL EXAMINED: 1♂, X-1982, D.J. Carpintero col. (MACN).

***Xenoblissus lutzi*** Barber, 1954 FIRST COUNTRY RECORD

DISTRIBUTION: Brazil (Barber 1954).

MATERIAL EXAMINED: 1♂ 2♀, 2-IV-2012, Montemayor, S.I. col.; 1♀, Camino a Gendarmería, 2-IV-2012, Montemayor, S.I. col.

**Berytidae**

***Jalysus sobrinus*** Stål, 1862

DISTRIBUTION: Argentina: Misiones and Salta (Henry 1997); Bolivia, Brazil, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Trinidad, Uruguay and Venezuela (Henry and Froeschner 1998)

MATERIAL EXAMINED: 2♂ 4♀, 4-III-2010, Dellapé, P.M. col.; 1♀, 5-III-2010, Dellapé, P.M. col.; 1♂, 23-III-2012, Montemayor, S.I. col.

**Geocoridae**

**Geocorinae**

***Geocoris callosulus*** Berg, 1878

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Corrientes, Jujuy, La Rioja, Mendoza, Rio Negro, San Juan and Santiago del Estero (Bosq 1937; Torres 1950; Melo et al. 2004); Uruguay (Slater 1964).

MATERIAL EXAMINED: 2♀, 23-III-2011, Montemayor, S.I. col.; 1♂, 1-IV-2012, Dellapé, P.M. col.; 2♂ 2♀, 2-IV-2012, Melo, M.C. col.

**Pamphantinae**

**Epipopolini**

***Epipolops meridionalis*** Pirán, 1958

DISTRIBUTION: Argentina: Corrientes and Jujuy (Pirán 1958; Melo et al. 2004); Bolivia, Brazil and Paraguay (Rengifo Correa et al. 2013).

MATERIAL EXAMINED: 1♀, Camino a Gendarmería, 2-IV-2012, Montemayor, S.I. col.

**Lygaeidae**

**Lygaeinae**

***Acroleucus neomaurus*** Slater, 1964

DISTRIBUTION: Argentina: Chaco, Corrientes, Misiones, Salta and Santiago del Estero (Torre-Bueno and Thomas 1914; Brailovsky 1980); Brazil, Colombia, Paraguay, Peru and Venezuela (Slater 1964; Brailovsky 1980).

MATERIAL EXAMINED: 2♂, 23-III-2011, Dellapé, P.M. col.

***Craspeduchus xanthostaurus*** (Herrich-Schäffer, 1847)

DISTRIBUTION: Argentina: Misiones; Brazil, French Guiana and Paraguay (Slater 1964; Brailovsky 1979).

MATERIAL EXAMINED: 1♂, 31-III-2012, Montemayor, S.I. col.

***Lygaeus alboornatus*** Blanchard, 1852

DISTRIBUTION: Argentina: Buenos Aires, Córdoba, Chaco, Mendoza, Misiones, Neuquén, Patagonia, Salta, San Luis, Santa Fe, Santiago del Estero, Rio Negro and Tucumán; Bolivia, Brazil, Chile, Ecuador, Jamaica, Paraguay, Peru and Uruguay (Brailovsky 1978).

MATERIAL EXAMINED: 1♂ 2♀, 31-III-2012, Montemayor, S.I. col.; 1♀, Camino a Gendarmería, 2-IV-2012, Dellapé, P.M. col.

### Orsillinae Metrargini

***Xyonisius ellipticus*** (Berg, 1892)

DISTRIBUTION: Argentina: Misiones (Berg 1892; Pennington 1921); Brazil (Slater 1964).

MATERIAL EXAMINED: 1♂ 1♀, 31-III-2012, Montemayor, S.I. col.; 1♂, Camino a Gendarmería, 2-IV-2012, Dellapé, P.M. col.; 1♀, 2-IV-2012, Melo, M.C. col.

***Xyonisius major*** (Berg, 1878)

DISTRIBUTION: Argentina: Buenos Aires, Chaco and Salta (Montandon 1895; Bosq 1940; Melo et al. 2011); Brazil and Paraguay (Schaefer 1998).

MATERIAL EXAMINED: 1♂, 31-III-2012, Dellapé, P.M. col.; 4♂ 1♀, 31-III-2012, Montemayor, S.I. col.; 3♂ 1♀, 1-IV-2012, Montemayor, S.I. col.; 1♂ 1♀, 2-IV-2012, Montemayor, S.I. col.; 1♂ 3♀, 2-IV-2012, Melo, M.C. col.

### Nysiini

***Nysius simulans*** Stål, 1850

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Corrientes, Mendoza and Tucumán (Melo et al. 2011); Brazil, Paraguay and Uruguay (Melo et al. 2004).

MATERIAL EXAMINED: 1♂ 1♀, 20-III-2012, Montemayor, S.I. col.; 1♀, 1-IV-2012, Montemayor, S.I. col.; 1♂ 2♀, Camino a Gendarmería, 2-IV-2012, Montemayor, S.I. col.

### Orsillini

***Aborsillus pora*** Dellapé & Montemayor, 2012

DISTRIBUTION: Argentina: Misiones (Dellapé and Montemayor 2012)

MATERIAL EXAMINED: Holotype ♂, Argentina, Misiones, Parque Prov. Moconá, S 27° 09.185" W 53° 54.080", 2-X-2010, Montemayor col.; ♀ paratype, same data (MLP).

***Neortholomus gibbifer*** (Berg, 1892)

DISTRIBUTION: Argentina: Catamarca, Córdoba, Jujuy, San Luis, Santa Fe and Tucumán; Brazil and Chile (Hamilton 1983).

MATERIAL EXAMINED: 1♀, 4-III-2010, Dellapé, P.M. col.; 5♂ 4♀, 20-III-2012, Montemayor, S.I. col.; 1♂ 4♀, 31-III-2012, Montemayor, S.I. col.; 3♀, 31-III-2012, Melo,

M.C. col.; 5♀, 31-III-2012, Dellapé, P.M. col.; 1♀, 2-IV-2012, Montemayor, S.I. col.

***Neortholomus jamaicensis*** (Dallas, 1852)

DISTRIBUTION: Argentina: Corrientes and Formosa; Caribbean islands, Mexico and Central America, Brazil, Chile, Peru, Bolivia, Paraguay, USA and some Pacific islands (Hamilton 1983).

MATERIAL EXAMINED: 1♂, 4-III-2010, Dellapé, P.M. col.; 2♂ 1♀, 2-X-2010, Dellapé, P.M. col.; 1♂ 1♀, 3-X-2010, Montemayor, S.I. col.; 6♀, 20-III-2012, Montemayor, S.I. col.; 1♂ 3♀, 31-III-2012, Dellapé, P.M. col.; 1♂, 1-IV-2012, Montemayor, S.I. col.

### Ninidae

***Cymoninus notabilis*** (Distant, 1882)

DISTRIBUTION: Argentina: Corrientes; Bolivia, Brazil, Guyane, Galápagos Is., México, Panama, Puerto Rico and Trinidad (Melo et al. 2004).

MATERIAL EXAMINED: 2♂ 1♀, 20-III-2011, Dellapé, P.M. col.; 2♀, 23-III-2011, Montemayor, S.I. col.

### Pachygronthidae Teracriini

***Phlegyas patruelis*** Berg, 1883

DISTRIBUTION: Argentina: Buenos Aires, Corrientes, Chaco, Misiones and Tucumán (Slater 1955; Melo et al. 2004); Paraguay (Slater 1955).

MATERIAL EXAMINED: 1♀, Camino a Gendarmería, 2-IV-2012, Dellapé, P.M. col.

### Rhyparochromidae Lethaeini

***Cryphula affinis*** (Distant, 1901)

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Córdoba, Corrientes, Entre Ríos, Formosa, Misiones, Salta, and Santiago del Estero (Melo et al. 2011; Dellapé et al. 2015); Brazil, Colombia, Ecuador, Guatemala, Grenada and Mexico (Slater 1964).

MATERIAL EXAMINED: 1♂, 20-III-2011, Dellapé, P.M. col.; 2♂ 1♀, Obeia Negra, 23-III-2011, Montemayor, S.I. col.

### Myodochini

***Erlacda argentinensis*** Dellapé & Melo, 2004

DISTRIBUTION: Argentina: Buenos Aires, Córdoba, Chaco, Catamarca, Corrientes, Entre Ríos, La Pampa, La Rioja, Salta, Santiago del Estero, Santa Fe and Tucumán (Dellapé and Melo 2004).

MATERIAL EXAMINED: 1♂, 2-X-2010, Montemayor, S.I. col.; 2♀, 1-IV-2012, Montemayor, S.I. col.; 2♂ 1♀, 2-IV-2012, Dellapé, P.M. col.

***Froeschneria multispinus*** (Stål, 1874)

DISTRIBUTION: Argentina: Córdoba, Corrientes and La Rioja (Pennington 1921; Melo et al. 2004); Brazil, Costa Rica, Guatemala, Martinica, Mexico, Panama, Uruguay, USA and Venezuela (Melo et al. 2004).

MATERIAL EXAMINED: 1♀, 23-III-2011, Dellapé, P.M. col.; 1♀, 31-III-2012, Montemayor, S.I. col.; 1♂, 31-III-2012, Melo, M.C. col.

***Neopamera bilobata*** (Say, 1832)

DISTRIBUTION: Argentina: Buenos Aires, Corrientes and Chaco (Melo et al. 2011); Antigua, Bahamas, Barbados, Bermuda, Brazil, British Guiana, Canada, Costa Rica, Cuba, Ecuador, Guatemala, French Guiana, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Dominican Republic, Uruguay, USA, Venezuela, Cayman Islands, Guadeloupe Islands and Virgin Islands (Slater 1964; Melo et al. 2004).

MATERIAL EXAMINED: 3♀, 4-III-2011, Dellapé, P.M. col.; 1♀, 5-III-2011, Dellapé, P.M. col.; 1♂, 20-III-2011, Montemayor, S.I. col.; 1♂ 2♀, 20-III-2011, Dellapé, P.M. col.; 6♂ 2♀, 1-IV-2012, Montemayor, S.I. col.; 1♂, 1-IV-2012, Dellapé, P.M. col.; 1♂, 1-IV-2012, Melo, M.C. col.; 1♂ 1♀, Camino a Gendarmería, 2-IV-2012, Dellapé, P.M. col.

***Paisana brachialis*** (Stål, 1858)

DISTRIBUTION: Argentina: Buenos Aires, Córdoba, Entre Ríos, Jujuy and Misiones (Melo et al. 2004; Dellapé 2008); Brazil (Dellapé 2008).

MATERIAL EXAMINED: 1♂, 1-IV-2012, Melo, M.C. col.

***Pseudopachybrachius vinctus*** (Say, 1831)

DISTRIBUTION: Argentina: Corrientes and Chaco (Melo et al. 2004, 2011); Antigua, Bahamas, Barbados, Belize, Brazil, Colombia, Cuba, Dominica, Ecuador, Grenada, Guatemala, Guyane, Haiti, Cayman Is., Jamaica, Mexico, Panama, Puerto Rico, Dominican Republic, St. Croix Island, St. Thomas Island, St. Vincent Island and USA (Melo et al. 2004).

MATERIAL EXAMINED: 1♀, 20-III-2011, Montemayor, S.I. col.; 2♀, 1-IV-2012, Montemayor, S.I. col.; 1♂ 2♀, 2-IV-2012, Dellapé, P.M. col.

***Pseudoparomius bimaculatus*** Dellapé & Coscarón, 2005

DISTRIBUTION: Argentina: Corrientes and Misiones; Brazil and Bolivia (Dellapé and Coscarón 2005).

MATERIAL EXAMINED: 1♀, 2-X-2010, Dellapé, P.M. col.; 1♀, 3-X-2010, Dellapé, P.M. col.

***Pseudoparomius linearis*** (Stål, 1874)

DISTRIBUTION: Argentina: Buenos Aires, Chaco, Corrientes, Entre Ríos, Misiones, Salta and Santa Fe (Pennington 1921; Dellapé and Coscarón 2005); Bolivia,

Paraguay and Uruguay (Melo et al. 2004; Dellapé and Coscarón 2005).

MATERIAL EXAMINED: 1♂, 2-X-2010, Dellapé, P.M. col.; 1♂, 19-III-2011, Montemayor, S.I. col.; 2♀, 23-III-2011, Montemayor, S.I. col.

**DISCUSSION**

In the present inventory, 134 species from Moconá Provincial Park and surrounding areas inside the Yabotí Biosphere Reserve (Figure 1) are listed. For most families some material remains undetermined and is being studied as they could be new taxa.

Twelve species are recorded from Argentina for the first time: The Reduviidae *Arilus gallus*, *Repipta taurus*, and *Zelus nugax*, the Tingidae *Leptodictya (Hanuala) paspalii*, *Leptopharsa vittipennis*, the Coreidae *Camptischium niger*, *Leptoglossus ingens*, *Chariesterus cuspidatus*, and *Cebrenis supina*, the Pentatomidae *Alveostethus pseudopolitus* and *Dryptocephala integra*, and the Blissidae *Xenoblissus lutzi*.

**ACKNOWLEDGEMENTS**

We want to express our gratitude to Aline Barcellos (Museu de Ciências Naturais, Fundação Zoobotânica do Rio Grande do Sul, Brazil) for her assistance with the identification of the Pentatomoidea taxa. We also thank all the park rangers of the Province of Misiones for their help and assistance during the collecting trips. This study was supported by the Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina, and the following grants: PIP 0255 (2010-2012) and CONICET-IBOL 2011.

**LITERATURE CITED**

- Ahmad, I. 1965. The Leptocorisinae (Heteroptera: Alydidae) of the world. *Bulletin of the British Museum (Natural History). Entomology* 5: 1–156.
- Allen, R.C. 1969. A revision of the genus *Leptoglossus* Guerin (Hemiptera: Coreidae). *Entomologica Americana* 45: 35–140.
- Bado, S.G. and A.N. Hughes. 2010. Fauna entomológica asociada a cultivos de frutas finas en el valle inferior del Río Chubut. *Boletín de Sanidad Vegetal. Plagas* 36: 179–187.
- Barber, H.G. 1954. Some Neotropical “Lygaeidae”. *Revista Brasileira de Biologia* 14(2): 215–224.
- Berg, C. 1878a. Hemiptera Argentina: Ensayo de una monografía de los Hemípteros Heterópteros y Homópteros de la República Argentina. *Anales de la Sociedad Científica Argentina* 6(1): 23–36.
- Berg, C. 1878b. Hemiptera Argentina: Ensayo de una monografía de los Hemípteros Heterópteros y Homópteros de la República Argentina. *Anales de la Sociedad Científica Argentina* 5(6): 297–314.
- Berg, C. 1879a. Hemiptera Argentina: Ensayo de una monografía de los Hemípteros Heterópteros y Homópteros de la República Argentina. *Anales de la Sociedad Científica Argentina* 7(2): 86–92.
- Berg, C. 1879b. Hemiptera Argentina enumeravit speciesque novas descripsit. Buenos Aires: Pauli E. Coni. viii + 316 pp.
- Berg, C. 1883. Addenda et emendanda ad Hemiptera Argentina. *Anales de la Sociedad Científica Argentina* 15: 241–269.
- Berg, C. 1892. Nova Hemiptera faunarum Argentinae et Uruguayensis. *Anales de la Sociedad Científica Argentina* 33: 151–165.
- Bosq, J.M. 1937. Lista preliminar de los Hemípteros (Heterópteros);

- especialmente relacionados con la agricultura nacional. *Revista de la Sociedad Entomológica Argentina* 9: 111–133.
- Bosq, J.M. 1940. Lista preliminar de los hemipteros (Heterópteros), especialmente relacionados con la agricultura nacional (continuación). *Revista de la Sociedad Entomológica Argentina* 10: 399–417.
- Brailovsky, H. 1978. Estudio del género *Lygaeus* Fabricius 1794, del nuevo mundo, con descripción de cinco nuevas especies (Hemiptera-Heteroptera-Lygaeidae-Lygaeinae). *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología* 49(1): 123–166. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146574>
- Brailovsky, H. 1979. Revisión del género *Craspeduchus* Stål, con descripción de dos nuevas especies (Hemiptera-Heteroptera-Lygaeidae-Lygaeinae). *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología* 50(1): 205–226. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146579>
- Brailovsky, H. 1980. Revisión del género *Acroleucus* Stål (Hemiptera-Heteroptera-Lygaeidae-Lygaeinae). *Folia Entomológica Mexicana* 44: 39–120. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146571>
- Brailovsky, H. 1981. Revisión del género *Arvelius* Spinola (Hemiptera-Heteroptera-Pentatomidae-Pentatomini). *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología* 51(1)[1980]: 239–298. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146605>
- Brailovsky, H. 1985. Revisión del género *Anasa* Amyot-Serville (Hemiptera - Heteroptera - Coreidae - Coreinae - Coreini). *Monografías del Instituto de Biología, Universidad Nacional Autónoma de México* 2. 266 pp. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146596>
- Brailovsky, H. 1988a. Dos nuevas especies del género *Sethenira* Spinola y nuevos arreglos nomenclatoriales dentro de *Acidomeria* Stål (Hemiptera-Heteroptera-Coreidae-Coreini). *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología* 58(1)[1987]: 179–198. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146675>
- Brailovsky, H. 1988b. La Tribu Hydarini Stål, en el Continente Americano con descripción de dos nuevos géneros, una nueva especie y una nueva subespecie (Hemiptera-Heteroptera-Coreidae). *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología* 58(2)[1987]: 623–649. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146679>
- Brailovsky, H. 1990a. Revisión del complejo “*Althos*” (Hemiptera-Heteroptera-Coreidae). *Instituto de Biología de la Universidad Nacional Autónoma de México, Publicaciones Especiales* 5. 156 pp. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146696>
- Brailovsky, H. 1990b. Nuevos arreglos nomenclatoriales y descripción de dos especies nuevas del género *Dalmatomammurius* Brailovsky (Hemiptera-Heteroptera-Coreidae-Leptoscelidini). *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología* 61(3): 343–355. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146693>
- Brailovsky, H. 1995. Revisión del complejo *Cebrenis* (Hemiptera-Heteroptera-Coreidae-Coreinae-Coreini). *Instituto de Biología de la Universidad Nacional Autónoma de México, Publicaciones Especiales* 15. 124 pp. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146730>
- Brailovsky, H. 2009. Revision of the *Phthia* complex with a description of four new genera (Hemiptera: Heteroptera: Coreidae: Coreinae: Leptoscelini). *Acta Entomologica Musei Nationalis Pragae* 49(1): 59–74.
- Brailovsky, H. 2014. Illustrated key for identification of the species included in the genus *Leptoglossus* (Hemiptera: Heteroptera: Coreidae: Coreinae: Anisoscelini), and description of five new species and new synonyms. *Zootaxa* 3794(1): 143–178. doi: [10.11646/zootaxa.3794.1.7](https://doi.org/10.11646/zootaxa.3794.1.7)
- Brailovsky, H. [In press]. New records, two new synonyms and one new species of *Holhymenia* Le Peletier & Serville, 1825 (Hemiptera: Heteroptera: Coreidae: Anisoscelini) from Bolivia and Ecuador. *Carolinea*.
- Brailovsky, H. and A. Cadena. 1992. Revisión del género *Zicca* (Hemiptera-Heteroptera-Coreidae-Coreinae-Coreini). *Instituto de Biología de la Universidad Nacional Autónoma de México, Publicaciones Especiales* 9. 101 pp. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146705>
- Brailovsky, H. and L. Rivera. 1979. Revisión del género *Madura* Stål, con descripción de una nueva especie (Hemiptera-Heteroptera-Coreidae-Coreini). *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología* 50(1): 241–250. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146581>
- Brailovsky, H. and F. Soria. 1981. Contribución al Estudio de los Hemiptera Heteroptera de México: XVIII. Revisión de la tribu Harmostini Stål (Rhopalidae) y descripción de una nueva especie. *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología* 51(1): 123–168. <http://repositorio.fciencias.unam.mx:8080/xmlui/handle/11154/146588>
- Chopra, N.P. 1973. A revision of the genus *Niesthrea* Spinola (Rhopalidae: Hemiptera). *Journal of the Natural History Museum* 7: 441–459.
- Coscarón, M.C. and M.C. Melo. 2001. Revision of the subfamily Bactrodinae (Heteroptera: Reduviidae), with a phylogenetic analysis of genus *Bactrodes* Stål. *Zootaxa* 304: 1–15.
- Costa Lima, A. da, N. Guitton and O.V. Ferreira. 1962. Sobre as espécies americanas do género *Dysdercus* Boisduval (Hemiptera, Pyrrhocoridae, Pyrrhocorinae). *Memórias do Instituto Oswaldo Cruz* 60(1): 21–57.
- Cullen, L. Jr, R.E. Bodmer and C. Valladares-Pádua. 2001. Ecological consequences of hunting in Atlantic Forest patches, São Paulo, Brazil. *Oryx* 35(2): 137–144.
- Dellapé, P.M. 2008. *Paisana*: A new genus of Neotropical Rhyparochromidae (Hemiptera: Heteroptera: Lygaeoidea) to accommodate *Neopamera brachialis* (Stål) and four new species. *Zootaxa* 1958: 17–30.
- Dellapé, P.M. and M.C. Coscarón. 2005. Redescription of *Pseudoparomius linearis* Stål, and description of three new species of *Pseudoparomius* Harrington (Rhyparochromidae: Heteroptera). *Zootaxa* 909: 1–12.
- Dellapé, P.M. and M.C. Melo. 2004. A new species of *Erlacda* Signoret (Heteroptera: Lygaeoidea: Rhyparochromidae) from Argentina. *Studies on Neotropical Fauna and Environment* 39(3): 201–205. doi: [10.1080/01650520412331334421](https://doi.org/10.1080/01650520412331334421)
- Dellapé, P.M. and M.C. Melo. 2012. *Theraneis vittata* Spinola 1837, (Hemiptera: Heteroptera: Largidae): first record from Argentina. *Check List* 8(2): 237–238. <http://www.checklist.org.br/getpdf?NGD161-11>
- Dellapé, P.M. and S.I. Montemayor. 2012. Description of a new species of Orsillini (Hemiptera: Heteroptera: Lygaeidae: Orsillinae) from Argentina, with a key to the Argentinean Orsillini. *Zootaxa* 3275: 62–68.
- Dellapé, P.M., A.P. Martínez and M.C. Coscarón. 2003. New distributional records for the Asopinae pentatomids in temperate South America. *Zootaxa* 318: 1–6.
- Dellapé, P.M., M.C. Melo and J.O'Donnell. 2015. Biodiversity and distribution of lethaine seed bugs (Heteroptera, Rhyparochromidae, Lethaeini) from Argentina. *Zoological Studies* 54: 1–21. doi: [10.1186/s40555-015-0114-y](https://doi.org/10.1186/s40555-015-0114-y)
- Diez, F. and M.C. Coscarón. 2015. Contribution to the knowledge of Patagonia, Argentina: redescription of the genus *Xenogenus* Berg

- 1883 (Hemiptera: Heteroptera: Rhopalidae) and description of immature stages of *Xenogenus gracilis* Reed, 1899. *Zootaxa* 3919: 573–582. doi: [10.11646/zootaxa.3919.3.7](https://doi.org/10.11646/zootaxa.3919.3.7)
- Doesburg, Jr P.H. van. 1968. A revision of the New World species of *Dysdercus* Guérin Méneville (Heteroptera–Pyrrhocoridae). *Zoologische Verhandlungen* 97: 1–215.
- Drake, C.J. and M.E. Poor. 1942. Four new Tingitidae (Hemiptera) from Argentina. *Anales del Museo Argentino de Ciencias Naturales Bernardino Rivadavia, Buenos Aires* 40: 299–302.
- Drake, C.J. and F.A. Ruhoff. 1965. Lacebugs of the world: a catalog (Hemiptera: Tingidae). Washington D.C.: United States National Museum Bulletin 243. 634 pp.
- Fernandes, J.A.M. and J. Grazia. 2006. Revisão do gênero *Antiteuchus* Dallas (Heteroptera, Pentatomidae, Discocephalinae). *Revista Brasileira de Entomologia* 50(2): 165–231. doi: [10.1590/S0085-56262006000200004](https://doi.org/10.1590/S0085-56262006000200004)
- Fortes, N.D.F. and J. Grazia. 2005. Revisão e análise cladística de *Serdia* Stål (Heteroptera, Pentatomidae, Pentatomini). *Revista Brasileira de Entomologia* 49(3): 294–339. doi: [10.1590/S0085-56262005000300002](https://doi.org/10.1590/S0085-56262005000300002)
- Froeschner, R.C. 2000. Revision of the South American genus *Hellica* Stål (Heteroptera: Acanthosomatidae). *Journal of the New York Entomological Society* 107(2–3)[1999]: 164–170.
- Froeschner, R.C. and N. Kormilev. 1989. Phymatidae of the world – A synonymic list with keys to species except *Lophoscutus* and *Phymata*. *Entomography* 6: 1–76.
- Galindo-Leal, C. and I.G. Câmara. 2003. Atlantic Forest hotspot status: an overview; pp. 3–11, in: C. Galindo-Leal and I.G. Câmara (eds.). *Atlantic Forest of the South America. Biodiversity status, threats, and outlook*. Washington DC: Center for Applied Biodiversity Science at Conservation International, Island Press.
- Giacchi, J.C. 1974. Revisión de los Stenopodainos americanos. III. El género *Narvesus* Stål, 1859. (Heteroptera, Reduviidae). *Physis secc C* 33(86): 53–64.
- Giraud, A.R., H. Povedano, M.J. Belgrano, E. Krauczuk, U. Pardiñas, A. Miquelarena, D. Ligier, D. Baldo and M. Castelino. 2003. Biodiversity status of the Interior Atlantic Forest of Argentina; pp. 160–180, in: C. Galindo-Leal and I.G. Camara (eds.). *The Atlantic Forest of South America: biodiversity status, threats and outlook*. Washington, DC: Center for Applied Biodiversity Science at Conservation International, Island Press.
- Giraud, A.R., S.D. Matteucci, J. Alonso, J. Herrera and R.R. Abramson. 2008. Comparing bird assemblages in large and small fragments of the Atlantic Forest hotspots. *Biodiversity and Conservation* 17: 1251–1265. doi: [10.1007/s10531-007-9309-9](https://doi.org/10.1007/s10531-007-9309-9)
- Göllner-Scheiding, U. 1978. Revision der Gattung *Harmostes* Burm., 1835 (Heteroptera, Rhopalidae) und einige bemerkungen zu den Rhopalinae. *Mitteilungen aus dem Museum für Naturkunde in Berlin* 54(2): 257–311.
- Göllner-Scheiding, U. 1979. Die Gattung *Jadera* Stål, 1862. *Deutsche Entomologische Zeitschrift* 26: 47–75.
- Göllner-Scheiding, U. 1983. General-Katalog der Familie Rhopalidae (Heteroptera). *Mitteilungen aus dem Museum für Naturkunde in Berlin* 59(1): 37–189.
- Grazia-Vieira, J. 1972. O gênero *Mayrinia* Horvath, 1925 (Heteroptera, Pentatomidae, Pentatomini). *Revista Peruana de Entomología* 15(1): 117–124.
- Grazia, J. 1978. Revisão do gênero *Dichelops* Spinola, 1837 (Heteroptera, Pentatomidae, Pentatomini). *Iheringia (Zool.)* 53: 3–119.
- Grazia, J. 1980. Revisão do gênero *Pallantia* Stål, 1862 (Heteroptera, Pentatomidae). *Revista Brasileira de Entomologia* 24(1): 15–27.
- Grazia, J. and C.F. Schwertner. 2008. Pentatomidae e Cyrtocoridae; pp. 223–234, in: L.E. Claps, G. Debandi and S. Roig-Juñent (eds.). *Biodiversidad de Artrópodos Argentinos, vol 2. Tucumán: Sociedad Entomológica Argentina*.
- Guidoti, M. and S.I. Montemayor. 2014. An interesting new species of *Sphaerocysta* (Heteroptera, Tingidae) from Argentina, with the description of its fifth instar nymph. *Revista de la Sociedad Entomológica Argentina* 73(1–2): 43–50.
- Haglund, C.J.E. 1868. *Hemiptera Nova Stettiner Entomologische Zeitung* 29:150–163.
- Hamilton, S.W. 1983. *Neortholomus*, a new genus of Orsillini (Hemiptera-Heteroptera: Lygaeidae: Orsillinae). *University of Kansas Science Bulletin* 52(7): 197–234.
- Hart, E.R. 1986. Genus *Zelus* Fabricius in the United States, Canada, and northern Mexico (Hemiptera, Reduviidae). *Annals of the Entomological Society of America* 79(3): 535–548.
- Henry, T.J. 1997. Monograph of the stilt bugs, or Berytidae (Heteroptera), of the Western Hemisphere. *Memoirs of the Entomological Society of Washington* 19: 1–149.
- Henry, T.J. and R.C. Froeschner. 1998. Catalog of the stilt bugs, or Berytidae, of the world (Insecta: Hemiptera: Heteroptera). *Contributions of the American Entomological Institute* 30: 1–72.
- Hussey, R.F. 1929. Pyrrhocoridae, fasc. 3; pp. 1–144, in: G. Horvath and H.M. Parshley (eds). *General Catalogue of the Hemiptera*. Northampton, Massachusetts: Smith College.
- Kormilev, N. 1951. Phymatidae Argentinas (Hemiptera) con observaciones sobre Phymatidae en general. *Revista del Instituto Nacional de Investigación de las Ciencias Naturales, anexo al Museo Argentino de Ciencias Naturales “Bernardino Rivadavia”*. *Ciencias Zoológicas* 2(2): 45–110 +14 plates.
- Maes, J.M. 1994. Catálogo de los Pentatomoidea (Heteroptera) de Nicaragua. *Revista Nicaraguense de Entomología* 28: 1–29.
- Malaguido, A.B. and A.R. Panizzi. 1998. Pentatomofauna associated with sunflower in northern Parana State, Brazil. *Anais da Sociedade Entomologica do Brasil* 27(3): 473–475.
- Maldonado Capriles, J. 1976. The genus *Heza* (Hemiptera, Reduviidae). *Journal of Agriculture of the University of Puerto Rico* 60(3): 403–432.
- Maldonado Capriles, J. 1990. Systematic catalogue of the Reduviidae of the world (Insecta: Heteroptera). Puerto Rico: Caribbean Journal of Science, special edition. 694 pp.
- Melo, M.C. and M.C. Coscarón. 2004. Comparative notes of *Cosmoclopius* Stål, 1866 and redescription of *C. pallidus* Berg, 1879 (Heteroptera: Reduviidae: Harpactorinae). *Physis secc. C* 60(138–139): 51–55.
- Melo, M.C. and P.M. Dellapé. 2013. Catalogue of the Pyrrhocoroidea (Hemiptera: Heteroptera) from Argentina. *Revista de la Sociedad Entomológica Argentina* 72(1–2): 55–74.
- Melo, M.C., P.M. Dellapé, D.L. Carpintero and M.C. Coscarón. 2004. Reduviidae, Miridae y Lygaeoidea (Hemiptera) recolectados en Colonia Pellegrini (Esteros del Iberá, Corrientes, Argentina). *Revista de la Sociedad Entomológica Argentina* 63(1–2): 59–67.
- Melo, M.C., P.M. Dellapé, D.L. Carpintero and S.I. Montemayor. 2011. Heteroptera (Hemiptera) from the Chaco National Park (Argentina). *Zootaxa* 2999: 1–19.
- Melo, M.C. and S.I. Montemayor. 2014. Rhopalidae; pp. 451–456, in S. Roig-Juñent, L.E. Claps and J.J. Morrone (dirs.). *Biodiversidad de Artrópodos Argentinos vol. III, San Miguel de Tucumán: Editorial INSUE- Universidad Nacional de Tucumán, Argentina*.
- Mittermeier, R.A., G.A.B. da Fonseca, A.B. Rylands and C.G. Mittermeier. 1999. La Mata Atlántica; pp. 136–147, in: R.A. Mittermeier, N. Myers, P. Robles Gil, C.G. Mittermeier (eds.). *Biodiversidad Amenazada: Las Ecorregiones Terrestres Prioritarias del Mundo*. México: Conservation International / CEMEX.
- Mittermeier, R.A., P. Robles Gil, M. Hoffman, J. Pilgrim, T. Brooks, C.G. Mittermeier, J. Lamoreux and G.A.B. da Fonseca. 2004. Hotspots revisited: Earth’s biologically richest and most endangered ecoregions. Mexico City: CEMEX. 390 pp.
- Montandon, A.L. 1895. Hèmiptères Héteroptères. Première liste et descriptions d’espèces nouvelles. *Bolletino dei Musei di*



- Zoologia ed Anatomia Comparata della R. Università di Torino 10, 219: 1–10.
- Montemayor, S.I. 2010a. Description of a new *Amblystira* from Argentina (Hemiptera: Heteroptera: Tingidae) with a key to the South American species of the genus. *Zootaxa* 2675: 65–68.
- Montemayor, S.I. 2010b. Review of the genus *Leptocysta* Stål with description of two new species (Hemiptera: Heteroptera: Tingidae) from Argentina. *Zootaxa* 2641: 62–68.
- Montemayor, S.I. and M.C. Coscarón. 2005. List of Argentinian Tingidae Laporte (Heteroptera) with their host plants. *Zootaxa* 1065: 29–50.
- Montemayor, S.I. and P.M. Dellapé. 2011. The Lepcotorisini (Hemiptera: Heteroptera: Alydidae: Micrellytrinae) of Argentina, with new records, description of a new species, and a key to the species. *Revista de la Sociedad Entomológica Argentina* 70(3–4): 287–292.
- Montemayor, S.I. and M.C. Melo. 2012. Synopsis of the genus *Corythaica* Stål (Insecta, Heteroptera, Tingidae), with the description of three new species from Argentina. *Studies on Neotropical Fauna and Environment* 47(2): 119–130. doi: [10.1080/01650521.2012.698103](https://doi.org/10.1080/01650521.2012.698103)
- Myers, N., R.A. Mittermeier, C.G. Mittermeier, G.A.B. Fonseca and J. Kent. 2000. Biodiversity hotspots for conservation priorities. *Nature* 403: 854–858. doi: [10.1038/35002501](https://doi.org/10.1038/35002501)
- New, T.R. 2012. Introduction to insect conservation, an emerging discipline; pp. 1–17, in T.R. New (ed.). *Insect conservation: past, present and prospects*. Dordrecht, The Netherlands: Springer. doi: [10.1007/978-94-007-2963-6](https://doi.org/10.1007/978-94-007-2963-6)
- Olivo, V.I. and M.C. Coscarón. 2009. Additional records of Heteroptera (Hemiptera) from Argentina. *Zootaxa* 2311: 38–48.
- Packauskas, R. 2010. Catalog of the Coreidae, or leaf-footed bugs of the New World. *Fort Hays Studies (Fourth Series)* 5: 270 pp.
- Pennington, M.S. 1920–1921. Lista de los Hemípteros Heterópteros de la República Argentina. Buenos Aires: printed by the author. 47 pp.
- Pirán, A.A. 1956. Hemípteros raros o poco conocidos y no mencionados para las faunas de Brasil, Uruguay, Argentina, Paraguay y Bolivia. *Revista de la Sociedad Uruguaya de Entomología* 1(1): 29–35.
- Pirán, A.A. 1958. Hemíptera Neotropical. I. *Revista de la Sociedad Entomológica Argentina* 20: 57–61.
- Pirán, A.A. 1962a. Hemiptera Neotropical V. Notas sobre sistemática y zoogeografía de Pentatomidae. *Acta Zoologica Lilloana* 18: 5–10.
- Pirán, A.A. 1962b. Las especies de *Sethenira* (Hemiptera, Coreidae) con la descripción de una especie nueva. *Acta Zoologica Lilloana* 18: 163–168.
- Pirán, A.A. 1963. Hemiptera neotropical VII. Algunas especies nuevas o poco conocidas del noroeste argentino. I. *Acta Zoologica Lilloana* 19: 335–341.
- Pirán, A.A. 1971. La subfamilia Tessaratomidae (Hemiptera-Heteroptera) en la Región Neotropical. *Acta Zoologica Lilloana* 24: 199–207.
- Placi, G. and M. Di Bitetti. 2005. Situación ambiental en la ecorregión del bosque Atlántico del Alto Paraná (selva paranaense); pp. 197–225, in: A. Brown, U. Martínez Ortiz, M. Acerbi, and J. Corcuera (eds.). *La Situación Ambiental Argentina*. Fundación Vida Silvestre Argentina.
- Prado, E. 2008. Conocimiento actual de Hemiptera-Heteroptera de Chile con lista de especies. *Boletín del Museo Nacional de Historia Natural, Chile* 57: 31–75.
- Quintanilla, R.H., A.E. Margheritis and H.F. Rizzo. 1968. Catálogo de hemípteros hallados en la Provincia de Entre Ríos. *Revista de la Facultad de Agronomía y Veterinaria de Buenos Aires* 16(3): 29–38.
- Quintanilla, R.H., A.E. Margheritis and H.F. Rizzo. 1975–1976. Catálogo de hemípteros hallados en la Provincia de Corrientes. *Revista de la Sociedad Entomológica Argentina* 35(1–4): 115–133.
- Quintanilla, R.H., H.F. Rizzo and A.S. Nuñez. 1981. Catálogo preliminar de hemípteros hallados en la Provincia de Misiones. *Revista de la Facultad de Agronomía* 2(3): 145–161.
- Rebagliati, P.J., L.M. Mola, A.G. Papeschi and J. Grazia. 2005. Cytogenetic studies in Pentatomidae (Heteroptera): a review. *Journal of Zoological Systematics and Evolutionary Research* 43(3): 199–214. doi: [10.1111/j.1439-0469.2005.00312.x](https://doi.org/10.1111/j.1439-0469.2005.00312.x)
- Rengifo Correa, L., H. Brailovsky, T.J. Henry and J.J. Morrone. 2013. Phylogenetics and evolutionary morphology of the Neotropical true bug genus *Epipolops* (Hemiptera: Heteroptera: Geocoridae). *Systematic Entomology* 39(1): 127–140. doi: [10.1111/syen.12039](https://doi.org/10.1111/syen.12039)
- Rider, D.A. and J.B. Chapin. 1991. Revision of the genus *Thyanta* Stål, 1862 (Heteroptera: Pentatomidae) I. South America. *Journal of the New York Entomological Society* 99(1): 1–77.
- Rider, D.A. and J.B. Chapin. 1992. Revision of the genus *Thyanta* Stål, 1862 (Heteroptera: Pentatomidae) II. North America, Central America, and the West Indies. *Journal of the New York Entomological Society* 100(1): 42–98.
- Rider, D.A. and L.H. Rolston. 1987. Review of the genus *Agroecus* Dallas, with the description of a new species (Hemiptera: Pentatomidae). *Journal of the New York Entomological Society* 95(3): 428–439.
- Rizzo, H.F. 1971. Aspectos morfológicos y biológicos de *Edessa meditabunda* (F.) (Hemiptera, Pentatomidae). *Revista Peruana de Entomología Agrícola* 14: 272–281.
- Rizzo, H.F. 1976. Hemípteros de Interés Agrícola. Chinchas perjudiciales y chinchas benéficas para los cultivos. Buenos Aires: Editorial Hemisferio Sur. 69 pp.
- Rolston, L.H. 1978. A revision of the genus *Mormidea* (Hemiptera: Pentatomidae). *Journal of the New York Entomological Society* 86(3): 161–219.
- Rolston, L.H. 1982. A revision of *Euschistus* Dallas subgenus *Lycipta* Stål (Hemiptera: Pentatomidae). *Proceedings of the Entomological Society of Washington* 84(2): 281–296.
- Ruckes, H. 1955. The Genus *Chariesterus* de Laporte (Heteroptera, Coreidae). *American Museum Novitates* 1721: 1–16.
- Ruckes, H. 1966a. An analysis and a breakdown of the genus *Platycaenus* Fieber (Heteroptera, Pentatomidae, Discocephalinae). *American Museum Novitates* 2255: 1–42.
- Ruckes, H. 1966b. The genus *Dryptocephala* Laporte (Heteroptera, Pentatomidae, Discocephalinae). *American Museum Novitates* 2256: 1–31. <http://hdl.handle.net/2246/3277>
- Ruffinelli, A. and A.A. Pirán. 1959. Hemípteros heterópteros del Uruguay. *Boletín de la Facultad de Agronomía de Montevideo, Uruguay* 51: 1–60.
- Sailer, R.I. 1944. The genus *Solubea* (Heteroptera: Pentatomidae). *Proceedings of the Entomological Society of Washington* 46(5): 105–127.
- Schaefer, C.W. 1998. The taxonomic status of *Xyonysius major* Berg Hemiptera: Lygaeidae, an occasional pest of sunflower in Brazil. *Anais da Sociedade Entomologica do Brasil* 27(1): 55–58. doi: [10.1590/S0301-80591998000100007](https://doi.org/10.1590/S0301-80591998000100007)
- Schaefer, C.W. and J.C. Schaffner. 2003. A revision of *Apidaurus* (Hemiptera: Alydidae). *Annals of the Entomological Society of America* 96(5): 615–624. doi: [10.1603/0013-8746\(2003\)096\[0615:AROAHA\]2.0.CO;2](https://doi.org/10.1603/0013-8746(2003)096[0615:AROAHA]2.0.CO;2)
- Schwertner, C.F. and J. Grazia. 2007. O gênero *Chinavia* no Brasil, com chave pictórica para os adultos. *Revista Brasileira de Entomologia* 51(4): 416–435. doi: [10.1590/S0085-56262007000400005](https://doi.org/10.1590/S0085-56262007000400005)
- Silva, E.J.E., J.A.M. Fernandes and J. Grazia. 2004. Variações morfológicas em *Edessa rufomarginata* e revalidação de *E. albomarginata* e *E. marginalis* (Heteroptera, Pentatomidae, Edessinae). *Iheringia, Série Zoologia* 94(3): 261–268. doi: [10.1590/S0073-47212004000300006](https://doi.org/10.1590/S0073-47212004000300006)
- Slater, J.A. 1955. A revision of the subfamily Pachygronthinae of the

- world (Hemiptera: Lygaeidae). *The Philippine Journal of Science* 84(1): 1–160.
- Slater, J.A. 1964. A catalogue of the Lygaeidae of the world. Vols. 1 and 2. Storrs: University of Connecticut. 1688 pp.
- Slater, J.A. and D.B. Wilcox. 1966. A revision of the genus *Patritius* Hemiptera Lygaeidae. *University of Connecticut Occasional Papers (Biological Science Series)* 1: 25–42.
- Slater, J.A. and D.B. Wilcox. 1968. New genera and species of neotropical Blissinae (Hemiptera: Lygaeidae). *Proceedings of the Entomological Society of Washington* 70(1): 42–52.
- Slater, J.A. and D.B. Wilcox. 1969. A revision of the genus *Ischnodemus* in the Neotropical region (Hemiptera: Lygaeidae; Blissinae). *Miscellaneous Publications of the Entomological Society of America* 16(4): 199–238.
- Speranza, S., M.C. Melo, M.G. Luna and E.G. Virla. 2014. First record of *Zelus obscuridorsis* (Hemiptera: Reduviidae) as a predator of the South American Tomato Leafminer, *Tuta absoluta* (Lepidoptera: Gelechiidae). *The Florida Entomologist* 97(1): 295–297.
- Spinola, M. 1837. Essai sur les genres d'insectes appartenants à l'ordre des Hémiptères, Lin. ou Rhyngotes, Fab. et à la section des Hétéroptères, Dufour. Genoa: Yves Gravier. 383 pp.
- Stål, C. 1860. Bidrag till Rio Janeiro-Traktens Hemipter-fauna. *Kongliga Svenska Vetenskaps-Akademiens Handlingar* 2(7): 1–84.
- Stål, C. 1872. Enumeratio Hemipterorum. Bidrag till en förteckning öfver alla hittills kända Hemiptera, Jemte Systematiska meddelanden. 2. *Kongliga Svenska Vetenskaps-Akademiens Handlingar* 10(4): 1–159.
- Thomas, D.B. Jr. 1992. Taxonomic synopsis of the asopine Pentatomidae (Heteroptera) of the Western Hemisphere. Thomas Say Foundation Monograph. ESA, Vol. 16: iv + 156 pp.
- Thomas, D.B. and T.R. Yonke. 1990. Review of the genus *Banasa* (Hemiptera: Pentatomidae) in South America. *Annals of the Entomological Society of America* 83(4): 657–688.
- Torre Bueno, J.R. and D.B. Thomas. 1914. Nota sobre Hemipteros del Chaco de Santiago del Estero. *Anales del Museo Nacional de Historia Natural de Buenos Aires* 26: 157–162.
- Torres, B.A. 1950. Insectos perjudiciales y útiles al cultivo de papa en la Argentina. *Ministerio de Agricultura y Ganadería B* (17): 38.
- Valladares-Padua, C., S.M. Padua and L. Jr. Cullen. 2002. Within and surrounding the Morro do Diabo State Park: biological value, conflicts, mitigation and sustainable development alternatives. *Environmental Science & Policy* 5: 69–78.
- Vieira, L.C., N.G. Oliveira, C.C. Brewster and S.F. Gayubo. 2013. Faunistic inventory of Spheciformes wasps at three protected areas in Portugal. *Journal of Insect Science* 13:113. doi: [10.1673/031.013.11301](https://doi.org/10.1673/031.013.11301)
- Whitehead, D.R. 1974. Variation and Synonymy in *Hypselonotus* (Heteroptera: Coreidae). *Journal of the Washington Academy of Sciences* 64(3): 1–224.
- Wygodzinsky, P. 1946. Sobre um novo gênero de Harpactorinae do Brasil, com notas sobre os gêneros *Harpactor* Laporte e *Erbessus* Stål (Reduviidae, Hemiptera). *Revista de Entomologia* 17(3): 401–417.
- Wygodzinsky, P. 1948. On some Reduviidae belonging to the Natuhistorisches Museum at Vienna (Hemiptera). *Revista Brasileira de Biologia* 8(2): 209–224.
- Wygodzinsky, P. 1966. A monograph of the Emesinae (Reduviidae, Hemiptera). *Bulletin of the American Museum of Natural History* 133: 1–614.

**Authors' contribution statement:** PMD, MCM and SIM participated in the field trips and collected most of the material studied. PMD identified Lygaeoidea and Phyrrocoroidea, MCM Reduviidae, Rhopalidae and Phyrrocoroidea, SIM Tingidae and Rhopalidae, GD Pentatomoidea and HB Coreidae.

**Received:** September 2014

**Accepted:** May 2015

**Academic editor:** Aline Barcellos