



Heteroptera (Hemiptera) from the Chaco National Park (Argentina)

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Abstract

An inventory of aquatic and terrestrial Heteroptera (excluding Aradidae, Coreidae and Pentatomoidea), comprising 101 species in 23 families, collected in the Chaco National Park (NE Argentina) is presented. Fifty species are new records to the Argentinean Chaco province, and six species represent new records to Argentina: *Cryphula affinis* (Distant), *Valtissius distinctus* (Distant) (Rhyparochromidae), *Stenopoda subinermis* Stål, *Diaditus pilosicornis* Bergroth (Reduviidae), *Buenoa uhleri* Truxal (Notonectidae), and *Paravelia splendoris* (Drake & Harris) (Veliidae).

Key words: Heteroptera, Chaco National Park, Argentina, inventory, distribution

Introduction

Argentina is the second largest country in South America; it consists of 2.780.400 km², and extends 3.694 km from north to south, and 1.423 km from east to west (IGN). This wide territory consists of a range of different landscapes including plains, plateaus, mountains, forests, grasslands, savannas, etc.

In Argentina there are 29 national parks destined to preserve the biodiversity of the different geographic areas of the country. Although a large amount of the specific diversity corresponds to insects, the knowledge about this diversity is scarce. In the case of Heteroptera (Hemiptera), there are scattered records from some national parks (Carpintero 1980; Viana and Carpintero 1977; Carvalho and Carpintero 1985; Bachmann 1999; Melo 2009; Guilbert and Montemayor 2010), but there exist only a few true inventories, most of them on aquatic taxa and one on Miridae: Mburucuyá National Park (Lopez Ruf *et al.* 2003); El Palmar N.P. (Torres *et al.* 2007); Calilegua N.P. (Torres *et al.* 2008); Lanín N.P., Nahuel Huapi N.P., Los Alerces N.P. (Bachmann 1962; Carpintero 1999); Lago Puelo N.P., Laguna Blanca N.P., Lapataia N.P., Los Glaciares N.P. (Carpintero 1999).

The Chaco National Park is a protected area of 15.000 ha located southeast of Chaco province; it was created in 1954 to protect the biodiversity of the eastern region of the Chaco biogeographic province (Fig. 1). According to Morrone (2001) this biogeographic area extends from southern Bolivia, western Paraguay and southern Brazil to northern Argentina. The characteristic vegetation is xeric deciduous forest, with grasses, cacti and terrestrial bromeliads, also savannas and halophytic steppes are common (Cabrera and Willink 1973; Cabrera 1976; Dinerstein *et al.* 1995).

The Park protects the Red Quebracho forests (*Schinopsis balansae* Engl.), this tree has a hard wood and is rich in tannins, and in the past it was more widely distributed in the region but the decontrolled exploitation has reduced its range (APN) considerably. Within this protected area there are forests of palms, savannas, watersheds, and lagoons; this heterogeneity allows the diversity of fauna, particularly a high diversity of insects.

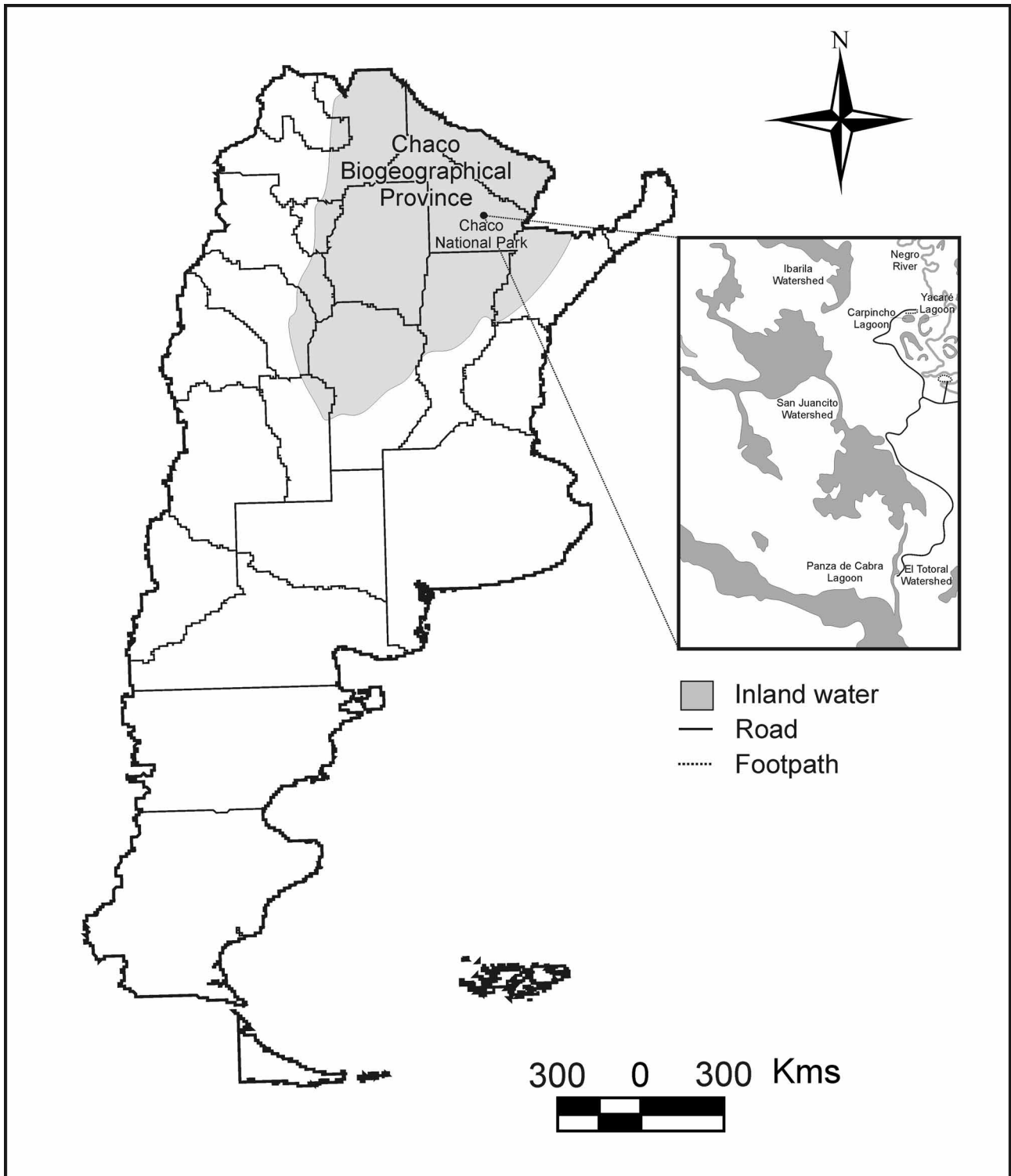


FIGURE 1. Map of the Chaco National Park, and its location in the area.

In the present contribution an inventory of aquatic and terrestrial Heteroptera collected during two field trips (September–October 2009, and October 2010) from the Chaco National Park is presented, comprising 101 species in 23 families. The families Aradidae and Coreidae, and all the Pentatomoidea are not included in the present contribution, although many specimens of these were collected. Fifty species are new records to the Argentinean Chaco province, and six species represent new records to Argentina: *Cryphula affinis* (Distant), *Valtissius distinctus* (Distant) (Rhyparochromidae), *Stenopoda subinermis* Stål, *Diaditus pilosicornis* Bergroth (Reduviidae), *Buenoa uhleri* Truxal (Notonectidae), and *Paravelia splendoris* (Drake and Harris) (Veliidae).

The given known distribution of the species refers to the political division of Argentina into provinces, excluding their distribution in other countries. All the specimens are deposited in the entomological collection of the Museo de La Plata, Buenos Aires, Argentina (MLP).

Results

Gerromorpha

Mesoveliidae

Mesovelia mulsanti White FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Corrientes, Entre Ríos, Jujuy, and Misiones (Bachmann 1998, Torres *et al.* 2007).

Material studied: 4 males, 4 females, park rangers's house, 26°48'25" S– 59°36'26,5" W, 76 msnm, 23/28-IX-2009, light trap, Melo, M.C. col.

Hebridae

Lipogomphus lacuniferus (Berg) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Corrientes, and Entre Ríos (Bachmann 1998, Torres *et al.* 2007).

Material studied: 4 males, 4 females, park rangers's house, 26°48'25" S– 59°36'26,5" W, 76 msnm, 23/28-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.; 43 males, same data, 30-X-2010, light trap, Melo, M.C. col.; 2 males, 2 females, same data, 17/28-X-2009, Pfoh, R. col.

Hydrometridae

Hydrometra argentina Berg

Distribution in Argentina. Buenos Aires, Chaco, Córdoba, Corrientes, Entre Ríos, Misiones, Rio Negro, and Salta (Bachmann 1998).

Material studied: 1 male, Rio Negro, 26°48'34,1" S– 59°36'21,9" W, 68 msnm, 25-IX-2009, Melo, M.C. col.

Veliidae

Paravelia splendoris (Drake & Harris) NEW RECORD FROM ARGENTINA

Geographic distribution. Brazil (Drake & Harris 1933).

Material studied: 1 male, Laguna Panza de Cabra, 26°52'3,4" S– 59°37'38" W, 75 msnm, 25-IX-2009, Melo, M.C. col.

Microvelia mimula White FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Corrientes, Entre Ríos, Jujuy, Mendoza, Misiones, and Rio Negro (Bachmann 1998, Torres *et al.* 2007).

Material studied: 14 males, 27 females, Rio Negro, 30-X-2010, Melo, M.C. col.

Nepomorpha

Belostomatidae

Belostoma micantulum (Stål)

Distribution in Argentina. Buenos Aires, Catamarca, Corrientes, Entre Ríos, Formosa, Jujuy, Misiones, Santa Fe, Santiago del Estero, and Tucumán (Contartese & Bachmann 1987, Morrone *et al.* 2004).

Material studied: 2 males, 1 female, 3 larvae, Rio Negro, 26°48'34,1" S– 59°36'21,9" W, 68 msnm, 25-IX-2009, Melo, M.C. col.; 1 male, same data, 27-IX-2009; 3 males, 2 females, same data, 31-X-2010.

Belostoma bifoveolatum Spinola

Distribution in Argentina. Buenos Aires, Catamarca, Córdoba, Jujuy, La Pampa, Salta, La Rioja, Mendoza, Chubut, Neuquén, Rio Negro, and Santiago del Estero (Contartese & Bachmann 1987, Morrone *et al.* 2004).

Material studied: 1 male, 1 female, Rio Negro, 26°48'25" S– 59°36'26,5" W, 76 msnm, 26-IX-2009, Melo, M.C. col.

Nepidae

Ranatra rabida White

Distribution in Argentina. Chaco, Corrientes, Formosa, and Santa Fe (De Carlo 1946, Bachmann 1998).

Material studied: 1 female, Rio Negro, 26°48'34,1" S– 59°36'21,9" W, 68 msnm, 31-X-2010, Melo, M.C. col.

Corixidae

Sigara (Tropocorixa) platensis Bachmann

Distribution in Argentina. Buenos Aires, Catamarca, Chaco, Chubut, Córdoba, Corrientes, Entre Ríos, Formosa, Jujuy, La Rioja, Mendoza, Misiones, Neuquén, Rio Negro, Salta, San Luis, San Juan, Santa Fe, Santiago del Estero, and Tucumán (Bachmann 1963, Contartese & Bachmann 1985, Bachmann 1998, Morrone *et al.* 2004).

Material studied: 3 males, 13 females, park rangers's house, 26°48'25" S– 59°36'26,5" W, 76 msnm, 24-IX-2009, light trap, Melo, M.C. col.; 7 males, 13 females, same data, 25-IX-2009, Melo, M.C. col.; 3 males, 11 females, same data, IX-2009, Dellapé, P.M. & Melo, M.C. cols.; 2 males, 7 females, Rio Negro, 26°48'34,1" S– 59°36'21,9" W, 68 msnm, 25-IX-2009, Melo, M.C. col.

Sigara (Tropocorixa) denseconscripta (Breddin)

Distribution in Argentina. Buenos Aires, Catamarca, Chaco, Córdoba, Corrientes, Entre Ríos, Formosa, Jujuy, La Pampa, La Rioja, Mendoza, Misiones, Rio Negro, Salta, San Luis, San Juan, Santa Fe, Santiago del Estero, and Tucumán (Contartese & Bachmann 1985, Bachmann 1998, Morrone *et al.* 2004).

Material studied: 1 male, park rangers's house, 26°48'25" S– 59°36'26,5" W, 76 msnm, 24-IX-2009, light trap, Melo, M.C. col.; 2 males, 5 females, same data, 25-IX-2009, light trap, Melo, M.C. col.; 2 males, 4 females, same data, IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Tenagobia (Incertagobia) carapachay Bachmann FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, and Entre Ríos (Contartese & Bachmann 1985, Morrone *et al.* 2004).

Material studied: 1 female, park rangers's house, 26°48'32,38" S– 59°36'26,13" W, 30-X-2010, light trap, Melo, M.C. col.

Naucoridae

Pelocoris (Pelocoris) binotulatus binotulatus (Stål) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Corrientes, Entre Ríos, Formosa, and Salta (Bachmann 1998).

Material studied: 1 male, 1 female, Rio Negro, 26°48'20,1" S– 59°36'32" W, 174 msnm, 24-IX-2009, Melo, M.C. col.; 4 males, 2 females, same data, 26°48'34,1" S– 59°36'21,9" W, 68 msnm, 25-IX-2009, Melo, M.C. col.

Ctenipocoris schadei (De Carlo) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Corrientes, Entre Ríos, and Misiones (Bachmann 1998, Lopez Ruf 2004, Torres *et al.* 2007).

Material studied: 1 male, Laguna Panza de Cabra, 26°52'3,4" S– 59°37'38" W, 75 msnm, 25-IX-2009, Melo, M.C. col.

Notonectidae

Notonecta (Paranecta) virescens Blanchard FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Catamarca, Córdoba, Chubut, La Pampa, Mendoza, Neuquén, Rio Negro, and Tucumán (Bachmann 1998, Mazzucconi & Bachmann 2003).

Material studied: 1 male, Rio Negro, 26°48'34,1" S– 59°36'21,9" W, 68 msnm, 25-IX-2009, Melo, M.C. col.

Buenoa fuscipennis (Berg) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Córdoba, Corrientes, Entre Ríos, Jujuy, Misiones, Santa Fe, and Rio Negro (Nieser 1968, Bachmann 1998, Muzón *et al.* 2005).

Material studied: 1 female, 30-X-2010, park rangers's house, light trap, Melo, M.C. col.

Buenoa uhleri Truxal NEW RECORD FROM ARGENTINA

Geographic distribution. Mexico, U.S.A (Truxal 1953).

Material studied: 1 female, 30-X-2010, park rangers's house, light trap, Melo, M.C. col.

Buenoa unguis Truxal

Distribution in Argentina. Chaco, Formosa, and Santiago del Estero (Bachmann 1998).

Material studied: 1 female, 30-X-2010, park rangers's house, light trap, Melo, M.C. col.

Pleidae

Neoplea (Neoplea) maculosa (Berg) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina: Buenos Aires, Córdoba, Corrientes, Entre Ríos, Formosa, Jujuy, Misiones, Salta, Santa Fe, Santiago del Estero, and Tucumán (Bachmann 1968, Bachmann & Lopez Ruf 1994).

Material studied: 9 males, 10 females, park rangers's house, 26°48'25" S- 59°36'26,5" W, 76 msnm, 25/28-IX-2009, Dellapé, P.M. & Melo, M.C. cols.; 2 males, Rio Negro, 26°48'34,1" S– 59°36'21,9" W, 68 msnm, 25-IX-2009, Melo, M.C. col.

Cimicomorpha

Pachynomidae

Aphelonotinae

Aphelonotus simplus (Uhler)

Distribution in Argentina. Chaco, and Formosa (Carpintero 1998).

Material studied: 2 males, park rangers's house, 26°48'25" S– 59°36'26,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Reduviidae

Harpactorinae

Atrachelus cinereus (Fabricius)

Distribution in 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.* 2004).

Material studied: 1 male, park rangers's house, 26°48'25" S– 59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.; 1 male, 26°48'34,1" S– 59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.

Atopozelus omalus Elkins

Distribution in Argentina. Catamarca, Chaco, Corrientes, Formosa, Salta, Santa Fe, and Tucumán (Elkins 1954, Melo *et al.* 2004).

Material studied: 1 male, park rangers's house, 26°48'25" S– 59°36'36,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Cosmoclopius nigroannulatus (Stål)

Distribution in Argentina. Buenos Aires, Catamarca, Chaco, Córdoba, Corrientes, Entre Ríos, Formosa, La Pampa, La Rioja, Mendoza, Misiones, San Juan, San Luis, Salta, Santa Fe, Santiago del Estero, and Tucumán (Pennington 1921, Melo & Coscarón 2004).

Material studied: 3 males, 2 females, 26°48'34,1" S– 59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.

Cosmoclopius annulosus Stål FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Corrientes (Melo & Coscarón 2004).

Material studied: 2 males, 2 females, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.; 1 female, same data, 26-IX-2009, Dellapé, P.M. col.; 1 female, 26°48'20,1" S– 59°36'32,1" W, 24-IX-2009, Dellapé, P.M. col.

Vesciinae

Pessoaia argentina Wygodzinsky FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Santiago del Estero (Wygodzinsky 1943).

Material studied: 1 male, park rangers's house, 26°48'25" S– 59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Peiratinae

Rasahus limai Pinto

Distribution in Argentina. Chaco, Corrientes, Formosa, Misiones, Salta, Santiago del Estero (Coscarón 1983).

Material studied: 1 male, 26°48'34,1" S– 59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.; 11 males, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Reduviinae

Zelurus transnominis Lent & Wygodzinsky

Distribution in Argentina. Catamarca, Chaco, Córdoba, Corrientes, Formosa, Jujuy, La Rioja, Mendoza, Salta, Santa Fe, San Juan, and Santiago del Estero (Lent & Wygodzinsky 1951a).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Zelurus mazzai (Costa Lima)

Distribution in Argentina. Catamarca, Chaco, Córdoba, Misiones, Santiago del Estero, and Tucumán (Lent & Wygodzinsky 1951b, 1957).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Stenopodainae

Stenopoda subinermis Stål NEW RECORD FROM ARGENTINA

Geographic distribution. Brazil, Colombia, Guyana, Perú, and Venezuela (Giacchi 1969).

Material studied: 1 male, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Stenopoda guaranítica Giacchi

Distribution in Argentina. Chaco, Córdoba, Corrientes, Entre Ríos, Formosa, Jujuy, Mendoza, Misiones, Santa Fe, Salta, Santiago del Estero, and Tucumán (Giacchi 1969).

Material studied: 1 male, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Oncocephalus validispinis Reuter FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Córdoba, Entre Ríos, Santa Fe, Santiago del Estero (Giacchi 1984).

Material studied: 1 male, 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Diaditus pilosicornis Bergroth NEW RECORD FROM ARGENTINA

Geographic distribution. Brazil, and British Guiana (Giacchi 1982).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Miridae

Cylapinae

Fulviini

Fulvius bisbistillatus (Stål)

Distribution in Argentina. Buenos Aires, Chaco, Corrientes, Misiones, and Salta (Carpintero & Carvalho 1993).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°36'26,5" W, 76 msnm, 25-IX-2009, light trap, Melo, M.C. col.

Orthotylinae

Halticini

Halticus spegazzinii (Berg) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Córdoba, Corrientes, Entre Ríos, Jujuy, Misiones, Salta, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Ceratopsus guaraniensis Carvalho & Fontes FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Jujuy, Mendoza, and Salta (Carpintero & Carvalho 1993).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Ceratopsus paraguayensis* Carvalho & Fontes FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Entre Ríos, and Misiones (Carpintero & Carvalho 1993).

Material studied: 2 males, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Ceratopsus testatipes* Henry**

Distribution in Argentina. Buenos Aires, Chaco, Corrientes, and Santa Fe (Carpintero & Carvalho 1993).

Material studied: 2 females, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Sericophanes clarus* Carvalho & Carpintero**

Distribution in Argentina. Buenos Aires, Chaco, Córdoba, and Entre Ríos (Carpintero & Carvalho 1993).

Material studied: 3 males, 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Sericophanes ornatus* (Berg)**

Distribution in Argentina. Buenos Aires, Catamarca, Chaco, Córdoba, Corrientes, Entre Ríos, Jujuy, La Pampa, La Rioja, Mendoza, Misiones, Neuquén, Río Negro, Salta, San Juan, San Luis, Santa Fe, Santiago del Estero, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 1 male, 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Cyrtotylus cruciatus* Carvalho & Carpintero FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Córdoba (Carpintero & Carvalho 1993).

Material studied: 2 males, 1 female, Laguna Panza de Cabra, 26°52'3,4" S–59°37'38" W, 25-IX-2009, Dellapé, P.M. col.

***Cyrtotylus ruber* Carvalho & Carpintero FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Salta (Carpintero & Carvalho 1993).

Material studied: 2 males, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Cyrtotylus wygodzinskyi* Carvalho**

Distribution in Argentina. Catamarca, Chaco, Córdoba, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 5 males, 5 females, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.; 1 female, park rangers's house, 26°48'25" S–59°36'26,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

***Dijocaria oculata* Carvalho & Carpintero FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Córdoba, and Entre Ríos (Carpintero & Carvalho 1993).

Material studied: 1 male, park rangers's house, 26°48'25" S–59°36'26,5" W, 24/26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

***Orthotylus (Melanotrichus) argentinus* Carvalho FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Córdoba, Misiones, San Luis, and Salta (Carpintero & Carvalho 1993).

Material studied: 3 males, 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Orthotylus (Orthotylus) vianai* Carvalho & Carpintero FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. San Luis (Carpintero & Carvalho 1993).

Material studied: 2 males, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Phylinae

Phylini

Spanagonicus argentinus (Berg) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Córdoba, Entre Ríos, Formosa, Jujuy, Misiones, Salta, Santiago del Estero, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 1 male, Laguna Panza de Cabra, 26°52'3.4" S–59°37'38" W, 25-IX-2009, Dellapé, P.M. col.; 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Dicyphinae

Campyloneuropsis cincticornis (Stål)

Distribution in Argentina: Buenos Aires, Chaco, Corrientes, Entre Ríos, Jujuy, Mendoza, Misiones, Salta, San Luis, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 2 males, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.; 1 male, 1 nymph, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.

Bryocorinae

Eccrittotarsini

Spartacus entrerrianus Carvalho & Carpintero

Distribution in Argentina. Buenos Aires, Chaco, Corrientes, and Entre Ríos (Carpintero & Carvalho 1993).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Mirinae

Herdoniini

Allommatus (Allommatinus) sulinus Carvalho & Ferreira FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Catamarca, Misiones, and Santiago del Estero (Carpintero & Carvalho 1993).

Material studied: 2 males, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Mirini

Dagbertus bonariensis (Stål)

Distribution in Argentina. Buenos Aires, Chaco, Corrientes, Entre Ríos, Misiones, Salta, and Santa Fe (Carpintero & Carvalho 1993).

Material studied: 1 male, Puente colgante, 26°48'20,1" S–59°36'32,1" W, 27-IX-2009, Dellapé, P.M. & Melo, M.C. cols.; 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Derophthalma guaraniana Carvalho

Distribution in Argentina. Buenos Aires, Chaco, Córdoba, Entre Ríos, and Misiones (Carpintero & Carvalho 1993).

Material studied: 1 male, park rangers's house, 26°48'25" S–59°36'26,5" W, 24/26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

***Horciasinus guttatipes* (Reuter) FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Buenos Aires, Córdoba, Entre Ríos, Misiones, Salta, Santa Fe, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Phytocoris bergianus* Carpintero & Chérot FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Buenos Aires, Corrientes, Córdoba, La Pampa, Río Negro, Salta, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 2 males, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Phytocoris bonariensis* (Berg) FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Buenos Aires, Corrientes, Entre Ríos, Misiones, Salta, and Santa Fe (Carpintero & Carvalho 1993).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Phytocoris comechingon* Carpintero & Chérot FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Buenos Aires, Catamarca, Córdoba, Formosa, La Rioja, Río Negro, San Luis, and Santiago del Estero (Carpintero & Carvalho 1993).

Material studied: 3 males, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.; 1 male, park rangers's house, 26°48'25" S–59°36'26,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

***Phytocoris cylapinus* Carvalho & Gomes**

Distribution in Argentina. Buenos Aires, Chaco, Córdoba, Corrientes, Entre Ríos, Misiones, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Phytocorisca argentina* Carvalho & Fontes FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Buenos Aires, Catamarca, Córdoba, Entre Ríos, La Rioja, Mendoza, Misiones, Río Negro, San Juan, Salta, Santiago del Estero, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 1 male, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Polymerus testaceipes* (Stål) FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Buenos Aires, Córdoba, Corrientes, Entre Ríos, and Misiones (Carpintero & Carvalho 1993).

Material studied: 1 male, 2 females, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.; 1 male, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.

***Proba fraudulenta* (Stål)**

Distribution in Argentina. Buenos Aires, Catamarca, Chaco, Córdoba, Corrientes, Entre Ríos, Jujuy, Misiones, Neuquén, Río Negro, Salta, San Luis, Santa Fe, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 2 males, 3 females, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Proba vittiscutis* (Stål) FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Buenos Aires, Catamarca, Córdoba, Corrientes, Entre Ríos, Misiones, Jujuy, Salta, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

***Taylorilygus apicalis* (Fieber)**

Distribution in Argentina. Buenos Aires, Catamarca, Chaco, Córdoba, Corrientes, Entre Ríos, Jujuy, La Pampa, La Rioja, Mendoza, Misiones, Neuquén, Río Negro, Salta, San Luis, Santa Fe, Santiago del Estero, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 2 males, 4 females, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Resthenini

***Nanniresthenia cinnamomea* (Berg)**

Distribution in Argentina. Buenos Aires Chaco, Entre Ríos, Formosa, Misiones, and Santa Fe (Carpintero & Carvalho 1993).

Material studied: 3 females, park rangers's house, 26°48'25" S–59°36'26,5" W, 76 msnm, 25-IX-2009, light trap, Melo, M.C. col.

Stenodemini

***Collaria scenica* (Stål) FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Buenos Aires, Catamarca, Córdoba, Corrientes, Jujuy, Misiones, Salta, Santa Fe, and Tucumán (Carpintero & Carvalho 1993).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Tingidae

***Gargaphia torresi* Costa Lima**

Distribution in Argentina. Buenos Aires, Chaco, Río Negro, Salta, and Santiago del Estero (Montemayor & Coscarón 2005).

Material studied: 2 males, 1 female, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Nabidae

Nabinae

Nabini

***Nabis (Nabis) argentinus* Meyer-Dur**

Distribution in Argentina. Buenos Aires, Catamarca, Chaco, Córdoba, Entre Ríos, Formosa, Jujuy, La Pampa, La Rioja, Mendoza, Misiones, Río Negro, Salta, San Juan, San Luis, Santa Fe, Santiago del Estero, and Tucumán (Carpintero, in press).

Material studied: 3 females, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Nabis (Nabis) paranaensis Harris FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Córdoba, Entre Ríos, Jujuy, Río Negro, and Salta (Carpintero, in press).

Material studied: 1 male, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Nabis (Tropiconabis) capsiformis (Germain) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Catamarca, Córdoba, Corrientes, Entre Ríos, Formosa, Jujuy, La Pampa, La Rioja, Misiones, Mendoza, Río Negro, Salta, San Luis, San Juan, Santa Fe, and Santiago del Estero (Carpintero, in press).

Material studied: 1 male, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Prostematinae

Alloeorhynchus moritzi (Stein)

Distribution in Argentina. Chaco, Corrientes, Formosa, and Misiones (Carpintero, in press).

Material studied: 1 female, Puente colgante, 26°48'20,1" S–59°36'32,1" W, 27-IX-2009, Dellapé, P.M. & Melo, M.C. cols.; 2 females, park rangers's house, 26°48'25" S–59°26'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Anthocoridae

Anthocorinae

Scolopini

Calliodis picturatus Reuter FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Córdoba, and Misiones (Carpintero 2002).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°36'26,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Oriini

Orius tricolor (White) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Corrientes, Mendoza, and Santa Fe (Carpintero 2002).

Material studied: 2 males, 1 female, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.

Pentatomomorpha

Pachygronthidae

Pachygronthini

Oedancala kormilevi Slater

Distribution in Argentina. Chaco (Slater 1955).

Material studied: 2 males, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Rhyparochromidae

Lethaeini

Cistalia alboannulata (Stål)

Distribution in Argentina. Chaco, Corrientes, Entre Ríos, Formosa, Salta, and Santa Fe (Carpintero *et al.* 2006).

Material studied: 1 male, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.; 1 female, Puente colgante, 26°48'20,1" S–59°36'32,1" W, 27-IX-2009, Dellapé, P.M. & Melo, M.C. cols.

Bubaces enatus Brailovsky FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Salta (Brailovsky 1981).

Material studied: 4 males, 8 females, park rangers's house, 26°48'25" S–59°36'36,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.; 2 females, same data, 17/28-X-2009, light trap, Pfoh, R. col.; 1 male, same data, 25-IX-2009, light trap, Melo, M.C. col.

Lipostemmata major Ashlock FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Corrientes, and Formosa (Ashlock 1970; Mazzucconi & Lopez Ruf 1999; Melo *et al.* 2004).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°36'36,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Lipostemmata humeralis Berg FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, and Corrientes (López Ruf & Mazzucconi 1998; Melo *et al.* 2004).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°36'26,5" W, 76 msnm, 25-IX-2009, light trap, Melo, M.C. col.

Lipostemmata scutellata Ashlock FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Entre Ríos, and Formosa (Ashlock 1970).

Material studied: 1 male, 2 females, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Cryphula affinis (Distant) NEW RECORD FROM ARGENTINA

Geographic distribution. Brazil, Colombia, Ecuador, Guatemala, Grenada, Mexico (Slater 1964).

Material studied: 2 males, 4 females, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.; 1 female, same data, Dellapé, P.M. & Melo, M.C. cols.; 1 female, Puente colgante, 26°48'20,1" S–59°36'32,1" W, 27-IX-2009, Dellapé, P.M. & Melo, M.C. cols.

Valtissius distinctus (Distant) NEW RECORD FROM ARGENTINA

Geographic distribution. USA, Mexico, Central America to Argentina (Baranowski & Slater 2005).

Material studied: 6 males, 7 females, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.; 1 male 2 females, park rangers's house, 26°48'25" S–59°36'26,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.; 2 males, same data, Melo, M.C. col.; 1 male, Puente colgante, 26°48'20,1" S–59°36'32,1" W, 27-IX-2009, Dellapé, P.M. & Melo, M.C. cols.

Comments. Baranowski & Slater (2005) mentioned Argentina as southern limit of the known distribution of this species following O'Donnell's (1986) Ph.D.

Myodochini

Erlacda argentinensis Dellapé & Melo

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

Material studied: 2 males, 2 females, park rangers's house, 26°48'25" S–59°36'36,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. col.; 1 male, same data, 17/28-X-2009, light trap, Pfoh, R. col.

Pseudopachybrachius vinctus (Say) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Corrientes (Melo *et al.* 2004).

Material studied: 1 male, park rangers's house, 26°48'25"S–59°36'36,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Pseudopachybrachius concepcioni Zheng & Slater FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Corrientes (Carpintero *et al.* 2006).

Material studied: 2 males, 1 female, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Neopamera bilobata (Say) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires and Corrientes (Berg 1878; Melo *et al.* 2004).

Material studied: 2 males, 1 female, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col., 1 male, 1 female, same data, 26-IX-2009, Dellapé, P.M. col.; 5 males, 4 females, same data, 27-IX-2009, Dellapé, P.M. & Melo, M.C. cols.

Pseudoparomius linearis (Stål)

Distribution in Argentina. Buenos Aires, Chaco, Corrientes, Entre Ríos, Misiones, Salta, and Santa Fe (Pennington 1921; Dellapé & Coscarón 2005).

Material studied: 1 female, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col., 1 female, same data, 27-IX-2009, Dellapé, P.M. & Melo, M.C. cols.

Paisana brachialis (Stål) FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Córdoba, Entre Ríos, Jujuy, and Misiones (Dellapé 2008).

Material studied: 2 females, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Udeocorini

Tempyra biguttula Stål FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Chubut, and Entre Rios (Carpintero *et al.* 2006).

Material studied: 2 males, 1 female, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Blissidae

Ischnodemus tibialis Stål FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Corrientes, Misiones, and Tucumán (Slater & Wilcox 1969).

Material studied: 12 males, 5 females, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.; 7 males, 3 females, same data, 26-IX-2009, Dellapé, P.M. col.

Lygaeidae

Lygaeinae

Ochrimnus (Phaeocrimnus) cinctipennis (Stål)

Distribution in Argentina. Chaco, and Corrientes (Berg 1892; Melo *et al.* 2004).

Material studied: 1 males, 2 females, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.; 7 males, 1 female, same data, 26-IX-2009, Dellapé, P.M. col.; 1 male, 1 female, same data, 27-IX-2009, Dellapé, P.M. & Melo, M.C. cols.; 6 males, 1 female, Puente colgante, 26°48'20,1" S–59°36'32,1" W, 27-IX-2009, Dellapé, P.M. & Melo, M.C. cols.

***Ochrimnus (Phaeocrimnus) scalprum* Brailovsky FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Tucumán (Brailovsky 1982a).

Material studied: 1 female, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 26-IX-2009, Dellapé, P.M. col.; 2 females, Puente colgante, 26°48'20,1" S–59°36'32,1" W, 27-IX-2009, Dellapé, P.M. & Melo, M.C. cols.

***Ochrimnus (Parochrimnus) somnus* Brailovsky FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Salta (Brailovsky 1982a).

Material studied: 1 male, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 26-IX-2009, Dellapé, P.M. col.

***Oxygranulobaphus willinki* Brailovsky**

Distribution in Argentina. Chaco, Mendoza, Misiones, Salta, Santa Fe, and Santiago del Estero (Brailovsky 1982b).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, Pfoh, R. col.

Orsillinae

Nysiini

***Nysius simulans* Stål**

Distribution in Argentina. Buenos Aires, Chaco, Corrientes, Mendoza, and Tucumán (Montandon 1895; Torres 1950; Melo *et al.* 2004).

Material studied: 4 males, 2 females, park rangers's house, 26°48'25" S–59°36'36,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Metrargini

***Xyonysius major* (Berg)**

Distribution in Argentina. Buenos Aires, Chaco, and Salta (Montandon 1895; Bosq 1940).

Material studied: 3 females, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.; 1 male, 1 female, park rangers's house, 26°48'25" S–59°36'26,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Orsillini

***Neortholomus gibbifer* (Berg) FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Catamarca, Córdoba, Jujuy, San Luis, Santa Fe, and Tucumán (Hamilton 1983).

Material studied: 1 male, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 26-IX-2009, Dellapé, P.M. col.

***Neortholomus jamaicensis* (Dallas) FIRST RECORD FOR THE PROVINCE**

Distribution in Argentina. Corrientes, and Formosa (Hamilton 1983; Melo *et al.* 2004).

Material studied: 1 female, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.; 1 male, park rangers's house, 26°48'25" S–59°36'26,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Pyrrhocoridae

***Dysdercus chaquensis* Freiberg**

Distribution in Argentina. Buenos Aires, Catamarca, Chaco, Corrientes, Entre Ríos, Formosa, Jujuy, La Rioja, Misiones, Salta, Santa Fe, Santiago del Estero, Tucumán (van Doesburg 1968).

Material studied: 5 males, 3 females, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Alydidae

Apidaurus conspersus Stål

Distribution in Argentina. Chaco, Formosa, Salta, and Tucumán (Schaefer & Schaffner 2003).

Material studied: 1 male, 1 female, park rangers's house, 26°48'25" S–59°36'36,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Neomegalotomus parvus (Westwood)

Distribution in Argentina. Chaco, Corrientes, Formosa, Misiones, Salta, and Tucumán (Schaefer & Ahmad 2008).

Material studied: 1 male, park rangers's house, 26°48'25" S–59°36'36,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.; 2 males, 1 female, same data, 17/28-X-2009, light trap, Pfoh, R. col.

Rhopalidae

Rhopalinae

Harmostini

Harmostes prolixus Stål

Distribution in Argentina. Buenos Aires, Catamarca, Chaco, Córdoba, Corrientes, La Rioja, Misiones, Salta, Santa Fe, and Santiago del Estero, Tucumán (Melo & Montemayor, in press).

Material studied: 1 female, park rangers's house, 26°48'25" S–59°36'36,5" W, 17/28-X-2009, light trap, Pfoh, R. col.

Harmostes serratus (Fabricius)

Distribution in Argentina. Chaco, Córdoba, Corrientes, Formosa, Jujuy, Misiones, Salta, San Juan, Santa Fe, and Santiago del Estero (Melo & Montemayor, in press).

Material studied: 2 males, 1 female, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 25-IX-2009, Dellapé, P.M. col.; 1 female, Puente colgante, 26°48'20,1" S–59°36'32,1" W, 24-IX-2009, Dellapé, P.M. & Melo, M.C. cols.; 4 males, same data, 27-IX-2009; 1 female, park rangers's house, 26°48'25" S–59°36'36,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.

Harmostes procerus Berg FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Buenos Aires, Catamarca, Córdoba, Corrientes, Entre Ríos, Jujuy, La Pampa, La Rioja, Mendoza, Misiones, Neuquén, Rio Negro, Salta, San Luis, San Juan, Santa Fe, and Tierra del Fuego (Melo & Montemayor, in press).

Material studied: 2 males, entrance of the Park, 26°48'34,1" S–59°36'21,9" W, 26-IX-2009, Dellapé, P.M. col.

Niesthreini

Niesthrea similis Chopra FIRST RECORD FOR THE PROVINCE

Distribution in Argentina. Misiones (Melo & Montemayor, in press).

Material studied: 1 male, Laguna Panza de Cabra, 26°52'3,4" S–59°37'38" W, 25-IX-2009, Dellapé, P.M. col.

Serinetinae

Jadera aeola aeola Dallas

Distribution in Argentina. Argentina (Melo & Montemayor, in press).

Material studied: 1 male, 1 female, park rangers's house, 26°48'25" S–59°36'36,5" W, 26-IX-2009, light trap, Dellapé, P.M. & Melo, M.C. cols.; 1 male, same data, 25-IX-2009, light trap, Melo, M.C. col.; 1 male, same data, 17/28-X-2009, light trap, Pfoh, R. col.

Acknowledgements

We want to express our gratitude to Romina Pfoh (FCNyM, UNLP) who kindly helped us with the light traps during the field trips. This study was supported by the Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina, and the following grant: FONCYT-PICT 07-1444 to María Cecilia Melo's project "Biodiversidad de Heteroptera acuáticos (Hemiptera) del Chaco argentino".

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