



Additional records of Heteroptera (Hemiptera) from Argentina

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Abstract

New Heteroptera findings of Anthocoridae (1 sp.), Coreidae (5 sp.), Cydnidae (1 sp.), Miridae (6 sp.), Nabidae (2 sp.), and Reduviidae (8 sp.) are given from Argentina. New country records are mentioned for the families Coreidae: *Lybius dichrous* Stål, *Vilga* (*Vilgula*) *serrulata* Montandon, *Vilga* (*Laevivilga*) *divaricata* Distant; and Reduviidae: *Apiomerus flavipennis* Herrich-Schaeffer, *Rasahus paraguayensis* Coscarón, *Ricolla femoralis* Distant, and *R. quadrispinosa* (Linné).

Key words: Heteroptera, Anthocoridae, Coreidae, Cydnidae, Miridae, Nabidae, Reduviidae, New records, Argentina

Introduction

Argentina is a link between two large geographic regions (Morrone, 1996), and this has increased the biodiversity of arthropods. In Argentina we find an “austral” biota with affinity to the fauna of the south of Chile, Australia (including Tasmania), New Zealand, and New Guinea; and a “tropical” fauna (30°S) with affinity with the rest of South America, Mesoamerica, and the tropics of the Old World.

Heteroptera is important in several ways for agricultural, medical, and veterinary entomologists, including studies on current climatic change (Musolin and Fujisaki, 2006). According to Schaefer and Panizzi (2000), the more we know about these insects the better we can control the harmful ones and exploit the useful ones. All of this will permit us to enlarge their biodiversity knowledge and to affect different ways to conserve them.

Continuing with the previous contributions (Melo and Coscarón, 2004; Melo *et al.* 2004), the new records here will enlarge the known distribution of Argentinean Heteroptera. The studied material is deposited in the Museo de La Plata (Argentina).

Anthocoridae

Tribe Oriini Carayon

Orius pallidus (Poppius, 1909)

Triphleps pallidus Poppius 1909: 39.

Thriphleps pallidus 1921: 27.

Orius pallidus Carpintero 2002: 38.

New records. ♀ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65° 24'12.10" W, Olivo col.

Distribution. **Argentina:** Buenos Aires; Corrientes; Entre Ríos; Jujuy; Misiones; Salta; Santiago del Estero; Tucumán.

Coreidae

Subfamily Coreinae Leach

Tribe Acanthocerini Bergroth

Lybindus dichrous Stål, 1859

Lybindus dichrous Stål 1859: 454; 1870: 181.

Lybindus dichrou Lethierry & Severin 1894: 71.

New records. ♀ **Argentina:** Chaco: Resistencia, XI-1945, A. Martinez Col. Los Cocos 12-46, Viana, Córdoba: Punilla. ♀ **Argentina:** Catamarca: La Cienaga Weiser Wolters Leg

Distribution. **Brazil.**

Remarks. These are the first records of this species from Argentina.

Tribe Anisoscelini Stål

Anisoscelis foliacea (Fabricius, 1803)

Lygaeus foliaceus Fabricius 1803: 210.

Coreus foliaceus St. Lepelletier & Serville 1825: 60.

Diactor foliaceus Dallas 1852: 451; Uhler 1869: 323.

Anisoscelis (Anisoscelis) foliacea marginella (Dallas); Osuna 1984: 131.

Diactor cincticollis Stål 1855: 185.

Anisoscelis foliaceus Stål 1868: 51.

Anisoscelis foliacea Stål 1870: 158; Lethierry & Severin 1894: 45.

Anisoscelis marginella Stål 1870: 159; Lethierry & Severin 1894: 45.

New records. ♀ **Argentina:** Corrientes, Colonia Pellegrini. Coscarón Col.

Distribution. **Brazil**

Remarks. These are the first records of this species from Argentina.

Leptoglossus concolor (Walker, 1871)

Anisoscelis concolor Walker 1871: 128.

Leptoglossus concolor Distant 1881: 124; Lethierry & Severin 1894: 47; Distant 1901: 340; Allen 1969: 118; Brailovsky 1976: 39; Henry & Froeschner 1988: 76; Brailovsky & Barrera 1998: 171.

Leptoglossus stigma Hussey 1956: 88.

New records. ♂ **Argentina:** Corrientes. Colonia Pellegrini. Coscarón Col.

Distribution. Belize. Costa Rica. Cuba. Dominican Republic. Guatemala. Haiti. Mexico. Panama. Puerto Rico. Virgin Islands.

Remarks. These are the first records of this species from Argentina. This distribution shows a large disjunction, and one should look for further surveying in different areas of the Neotropical Region.

Subfamily Pseudophloeinae Stål

Tribe Pseudophloeini Stål

Vilga (Vilgula) serrulata Montandon, 1897

Vilga serrulata Montandon 1897: 185.

Vilga serrulata Bergroth 1913: 156.

Vilga (Vilgula) serrulata Dolling 1977: 37.

New records. 3 ♂♂ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65° 24' 12.10" W, Olivo Col.

Distribution. **Brazil.**

Remarks. These are the first records of this species from Argentina.

Vilga (Laevivilga) divaricata Distant, 1893

Vilga divaricata Distant 1893: 369; Lethierry & Severin 1894: 78.

Vilga (Laevivilga) divaricata Dolling 1977: 38.

New records. ♀ **Argentina:** Corrientes, San Miguel, 8 Km, S 28° 3'46.9" W 57° 67'43.4", 11-12-2004, sweeping, Coscarón Col., ♀ 9-12-2004, ♀ **Argentina:** Corrientes, San Miguel, 8 Km, S 28° 3'46.9" W 57° 67'43.4", 11-12-2004, beating, Coscarón Col. ♂ **Argentina:** Corrientes, General Uruburu (14 Km SW) S 27° 3'52.9" W 57° 4'22.7", 14-12-2004, sweeping, Coscarón Col. ♂ 2♀♀ **Argentina:** Corrientes, General Paz (5 Km SW) S 27° 45'58.1" W 57° 39'53.1", 15-12-2004, sweeping, Coscarón Col.

Distribution. **Guyana. Panama.**

Remarks. These are the first records of this species from Argentina. This distribution shows a large disjunction, and one should look for further surveying in different areas of the Neotropical Region.

Cydnidae

Amnestus lateralis Signoret, 1883

Amnestus lateralis Signoret 1883: 369; Lethierry & Severin 1893: 75; Pennington 1920: 7; Froeschner 1960: 649; Coscarón 1996: 30.

New records. ♂ ♀ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65° 24' 12.10" W, Olivo Col.

Distribution. **Argentina:** Buenos Aires, La Plata. **Brazil.**

Remarks. These are the first record of this species for a province in Argentina.

Miridae

Subfamily Deraeocorinae Carvalho

Tribe Hyaliadini Carvalho & Drake

Hyaliodoris insignis (Stål, 1860)

Deraeocoris insignis Stål 1860: 53; Carvalho & Carpintero 1993: 400.

Hyaliodes quadristriatus Reuter 1907: 78.

Hyaliodoris insignis Carvalho 1957: 49; Carvalho & Afonso 1977: 7; Schuh 1995: 642.

New records. ♂ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65° 24'12.10" W, Olivo Col.

Distribution. **Argentina:** Buenos Aires; Catamarca; Entre Ríos; Formosa; Jujuy; Misiones; Salta; Tucumán. **Brazil:** Río de Janeiro, Río Grande do Sul. **Perú.**

Subfamily Mirinae Carvalho

Tribe Mirini Van Duzee

Phytocoris effictus Stål, 1860

Phytocoris effictus Stål 1860: 48; Carvalho 1959: 197; Carvalho & Gomes 1970: 125; Carvalho & Afonso 1977: 11; Carvalho & Carpintero 1993: 407.

New records. ♀ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65° 24'12.10" W, Olivo Col.

Distribution. **Argentina:** Buenos Aires: Punta Lara, San Isidro, Tigre; Catamarca: El Rodeo; Chaco; Córdoba; Entre Ríos; Jujuy; Misiones; Río Negro; Salta: Angostura; Santa Fé; Tucumán. **Brazil:** Río de Janeiro. **Perú.**

Subfamily Bryocorinae Baerensprung

Tribe Dicyphini Schuh

Subtribe Dicyphina Schuh

Tupiocoris cucurbitaceus (Spinola, 1852)

Phytocoris cucurbitaceus Spinola 1852: 196.

Dicyphus cucurbitaceus Carvalho & Carpintero 1993: 402; Carvalho 1958: 195; Schuh 1995: 506.

New records. ♀ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65° 24'12.10" W, Olivo Col.

Distribution. **Argentina:** Buenos Aires; Catamarca; Corrientes; Entre Ríos; Jujuy; Misiones; Salta; Tucumán. **Brazil.** **Canada.** **Chile.** **Colombia.** **Ecuador.** **México.** **Perú.** **USA.**

Subfamily Orthotylinae Van Duzee

Tribe Orthotylini Carvalho

Sericophanes ornatus (Berg, 1878)

Monalonion ornatum Berg 1878: 279.

Globiceps variegatus Reed 1901: 175.

Sericophanes ornatus Pennington 1921: 30; Carvalho & Drake 1943: 523; Carvalho 1958: 152; Carvalho & Rosas 1965: 210; Maldonado Capriles 1970: 99; Carvalho & Lorenzato 1977: 4; Carvalho & Costa 1988: 898; Carvalho & Carpintero 1993: 404; Schuh 1995: 196.

New records. ♀ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65° 24'12.10" W, Olivo Col.

Distribution. **Argentina:** Buenos Aires: La Colina; Catamarca; Chaco; Córdoba; Entre Ríos; Jujuy; La Pampa; La Rioja; Mendoza; Misiones; Neuquén; Santa Fe; Salta; Santiago del Estero; San Luis; Río Negro; Tucumán. **Bolivia.** **Brazil.** **British Guiana.** **Chile.** **Paraguay.** **Surinam.**

Subfamily Mirinae Carvalho

Tribe Mirini Van Duzee

Taylorilygus apicalis (Fieber, 1861)

Phytocoris pallidulus Blanchard 1852: 193 [junior primary homonym of *Phytocoris pallidulus* Dahlbom: 1851].

Lygus apicalis Fieber 1861: 275.

Taylorilygus palidulus Carvalho 1959: 265 (cat.)

Lygus dryllus Carvahlo 1959: 121 (cat.)

Lygus apicallis Carvalho and Drake 1943: 523.

Taylorilygus apicalis Schuh 1995: 959; Carvalho & Carpintero 1993: 408.

New records. ♀ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65° 24'12.10" W, Olivo Col.

Distribution. **Argentina:** Buenos Aires; Catamarca; Chaco; Córdoba; Entre Ríos; Jujuy; La Rioja; Mendoza; Misiones; Neuquén; Río Negro; San Luis; Santa Fe; Salta; Tucumán. **Africa: Algeria. Basutoaland. Cameroun. Cape Verde Is. Madagascar. South Africa:** Natal. **Australia:** New South Wales. **Bonin Is. Bosnia:** Dalmatia. **Caroline Is. Chile. Colombia. Corsica. Ecuador. Egypt:** Nubia. **El Salvador. Europe. France. Ecuador:** Galapagos Is. **Georgia. Guatemala. Israel. Italy. Katanga. Korea. Libya. Madeira. Mariana Is. Mexico:**, Guerrero, Tabasco, Vera Cruz.. **Puerto Rico. Perú:** Reunion. **Spain:** Canary Is. **Sri Lanka. Switzerland. Surinam. Korea. Sudan. St. Helena. Saudi Arabia. Turkey. Uruguay. USA. Yemen.**

Subfamily Orthotylinae Van Duzee

Tribe Halticini Costa

Halticus spegazzinii (Berg, 1878)

Capsus Deraeocoris pygmaeus Berg 1878: 290 [a junior primary homonym of *Capsus pygmaeus* Zetterstedt 1833]

Halticus spegazzinii Berg 1883: 75 [syn. By Carvalho 1955: 222; see also Carvalho 1990: 188]; Carvalho & Afonso 1977: 9; Schuh 1995: 57.

Halticus Spegazzinii Pennington 1921: 30.

Microtechnites pygmaeus Pennington 1921: 30; Carvalho & Drake 1943: 523.

Halticus pygmaeus Carvalho 1958: 17; Carvalho 1990: 189; Carvalho & Carpintero 1993: 406.

New records. ♀ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65° 24'12.10" W, Olivo Col.

Distribution. **Argentina:** Buenos Aires; Córdoba; Corrientes; Entre Ríos; Jujuy; Misiones; Salta; Tucumán. **Brazil:** Santa Catarina. **Paraguay. Uruguay.**

Nabidae

Subfamily Prostemmatinae Reuter

Tribe Prostemmatini Reuter

Pagasa fuscipennis Reuter and Poppius 1909

Pagasa nitida Berg 1884: 105.

Pagasa fuscipennis Reuter & Poppius 1909: 30; Pennington 1921: 26; Harris 1939: 369.

New records. ♀ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65° 24'12.10" W, Olivo Col.

Distribution. **Argentina:** Buenos Aires (Tandil, Chacabuco); Misiones.

Remarks. These are the first records of this species for a province in Argentina.

Subfamily Nabinae Costa

Tribe Nabini Costa

Nabis capsiformis (Germar, 1837)

Nabis capsiformis Germar 1837: 132; Pennington 1920: 26 [Argentina]; Harris 1930: 246; Harris 1939: 376.

Nabis elongatus Meyer-Dür 1870: 178; Berg 1892: 104.

Nabis kinbergi Reuter 1872: 90.

Coriscus elongatus Berg 1879: 144..

New records. ♀ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65 ° 24'12.10"W, Olivo Col.

Distribution. **Argentina:** Buenos Aires; Misiones: Potrerillos; Salta (Río Bermejo). **Brazil:** Corumbá, Rio de Janeiro and Santaren. **Perú:** Arica, Lima. **Guyana.** **Mexico.** **Uruguay:** Montevideo

Reduviidae

Subfamily Apiomerinae Amyot and Serville

Apiomerus flavipennis Herrich-Schäffer, 1846

Apiomerus flavipennis Herrich-Schäffer 1846: 75; Maldonado Capriles 1990: 4.

Apiomerus (Apiomerus) flavipennis Stål 1872: 97.

Apiomerus tarsalis Walker 1873: 72, part. Synonymized by Distant 1903: 254; Costa Lima, Campos Seabra & Hathaway 1951: 367.

New records. 2 ♂♂ **Argentina:** Corrientes, San Miguel (12 Km NE) S 27° 55' 35.4", W 57° 29'54.4" 9-12-2004, beating, Coscarón Col.

Distribution. **Argentina:** Chaco; Corrientes: Trujillo; Misiones; Jujuy. **Brazil:** Brasilia; Río de Janeiro; Santa Catarina.

Remarks. These are the first records of this species from Argentina.

Subfamily Harpactorinae Amyot & Serville

Tribe Harpactorini Reuter

Cosmoclopius nigroannulatus (Stål, 1860)

Harpactor nigroannulatus Stål 1860: 74.

Cosmoclopius nigroannulatus Stål 1872: 72; Berg 1879: 91; Lethierry & Severin 1896: 156; Wygodzinsky 1957: 267; Maldonado Capriles 1990: 188; Coscarón 1998: 161; Coscarón & Melo 2002: 59; Coscarón 2003: 361; Melo & Coscarón 2004: 55; Melo *et al.* 2004: 60.

Cosmoclopius nigroannulatus (sic) Bosq 1940: 413.

Cosmoclopius-nigroannulatus Pennington 1921: 25.

New records. ♂ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65 ° 24'12.10"W, Olivo Col.

Distribution. **Argentina:** Buenos Aires; Catamarca: Pomán; Córdoba: Mar Chiquita, Tanti; Corrientes: Col. C. Pellegrini, Manantiales, Puerto Azcurra, Reserva Iberá, San Roque; Chaco: Charata, Picada Guaycurú, Presidente de la Plaza, Resistencia; Entre Ríos: Concordia; Formosa: Pirané; Jujuy; La Pampa; La Rioja; Mendoza; Misiones: A. del Medio, Aristóbulo del Valle, Iguazú, L. N. Alem, Loreto, Pindaití Siruk, Taranco, Stefañuk,; Salta: Cafayate; San Juan; San Luis: Quines; Santa Fé; Santiago del Estero: Río Salado; Tucumán. **Brazil. Bolivia. Ecuador:** Galápagos. **Uruguay.**

Ricolla femoralis Distant, 1903

Ricolla femoralis Distant 1903: 359; Wygodzinky 1949: 46; Maldonado Capriles 1990: 291.

New records. **Argentina:** Misiones, Iguazú.

Distribution. **Argentina. Brazil. Mexico.**

Remarks. These are the first records of this species from Argentina.

Ricolla quadrispinosa (Linné, 1767)

Cimex 4- spinosus Linnaeus 1767: 720.

Lygaeus 4- spinosus Fabricius 1794: 144.

Reduvius coronatus Fabricius 1798: 545.

Zelus coronatus: Fabricius 1803: 251.

Alydus 4- spinosus Fabricius 1803: 251.

Zelus rufescens Gray 1832: 244.

Zelus quadrispinosus Amyot & Serville 1843: 373.

Ricolla quadrispinosa Stål 1872: 77; Wygodzinsky 1949: 46; Maldonado Capriles 1990: 291.

Ricolla nigripes Wygodzinsky 1949: 77.

New records. ♂ 2 ♀♀ **Argentina:** Entre Ríos, Paraná.

Distribution. **Argentina. Bolivia. Brazil. Cayenne. Guyana. Paraguay. Perú.**

Remarks. These are the first records of this species from Argentina.

Zelus armillatus (Lepeletier & Serville, 1825)

Reduvius armillatus Lepeletier & Serville 1825: 278.

Zelus (Diplocodus) armillatus Pennington 1921: 24.

Zelus (Diplodus) armillatus Berg 1879: 226.

Zelus armillatus Bosq 1940: 413; Coscarón 2003: 361.

New records. ♀ **Argentina:** Salta, Orán Aguas Blancas.

Distribution. **Argentina:** Corrientes; Misiones. **Brazil.**

Remarks. These are the first records of this species for a province in Argentina.

Zelus leucogrammus (Perty, 1834)

Reduvius leucogrammus Perty 1834: 184.

Zelus (Diplocodus) leucogrammus Pennington 1921: 25.

Zelus (Diplodus) leucogrammus Berg 1879: 228.

Zelus leucogrammus Lethierry & Severin 1896: 152; Coscarón & Gorriti 1999: 4; Coscarón 2003: 361; Melo *et al.* 2004: 61.

New records. ♀ **Argentina:** Tucumán, Col. Aragón.

Distribution. Amazon river. Argentina: Catamarca: El Rodeo; Corrientes: Caa-catí Col. C. Pellegrini; Entre Ríos: Paraná; Formosa; Misiones: El Dorado; Salta: Abra Santa Laura, Valle Viejo; Santa Fé; Santiago del Estero.

Remarks. These are the first records of this species for a province in Argentina.

Subfamily Peiratinae Amyot & Serville

Melanolestes argentinus Berg, 1879

Melanolestes argentinus Berg 1879: 264; Pennington 1921: 23; Wygodzinsky 1949: 52; Wygodzinsky 1957: 264; Coscarón 1983: 372; Maldonado Capriles 1990: 361; Coscarón 1998: 16; Coscarón & Carpintero 1993: 362; Coscarón 2003: 362; Melo *et al.* 2004: 61.

Pirates argentinus Bergroth 1894: 166.

Melasolestes argentinus Lethierry & Severin 1896: 121.

Rasahus (Melanolestes) argentinus Martínez 1987: 22.

New records. ♂ **Argentina:** Salta, Vaqueros: 28° 42'05.83" S, 65 ° 24'12.10"W, Olivo Col.

Distribution. **Argentina:** Buenos Aires: Ezeiza, Isla Martín García, Luján, Lanús, La Plata, Monte, Newton, Parque Pereyra, San Miguel, Villa Dominico, Villa Elisa; Chaco: Dept. Resistencia, Resistencia, Río de Oro; Corrientes: Pellegrini, Ecuador; Entre Ríos: Concordia, Paranacito, Pronunciamiento, Villa Elisa; Jujuy: Yala; Misiones: 2 de Mayo; Río Negro: Coronel Conesa; Salta: Candelaria, Orán, P.N. Finca del rey; Santa Fé: Coronda, Rosario, Isla Timbó; Santiago del Estero; Río Negro; Tucumán: El Cadillal, Las Criollas.

Uruguay.

Rasahus paraguayensis Coscarón, 1983

Rasahus paraguayensis Coscarón 1983: 107.

New records. ♀ **Argentina:** Misiones, 11-XI-1929.

Distribution. Argentina. Brazil. Paraguay.

Remarks. This is the first record of this species from Argentina.

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