

NEW DATA FOR ARGENTINIAN ASSASSIN BUGS FAUNA (HEMIPTERA: REDUVIIDAE: HARPACTORINAE)

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ABSTRACT: New Harpactorinae findings as localities and provinces are given from Argentina. *Harpactor distinguendus* is mentioned for the first time for this country. This work includes a result of studied material of Reduviidae that belongs to the Museo de La Plata (Argentina).

KEY WORDS: Argentina, Reduviidae, Hemiptera, Distribution.

Reduviidae or “assassin bugs” comprise one of the five largest families of Heteroptera (Froeschner, 1985). According to Henry (2009) 981 genera and more than 6878 species are known, with most occurring in the tropics. Its members comprise a large and diverse group of predatory insects, although some, like Triatominae have hematophagous feeding habits (Lent & Wygodzinsky, 1979). The subfamily Harpactorinae is the largest and most poorly studied subfamily of the Reduviidae (Chai & Tomokuni, 2003). More than 300 genera and 2000 species are known (Putshkov & Putshkov, 1985; Maldonado, 1990) and have representatives in all biogeographical areas.

Argentina is a link between two large geographic regions (Morrone, 1996), and this contributes to biodiversity of arthropods. Likewise, Argentina has 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 (Olivo & Coscarón, 2009).

The entomological collections from the Museo de La Plata (Argentina) comprise an important reservoir of information for systematic studies like taxonomic revisions, cladistic analysis and contributions of geographic distribution.

The purpose of this study is to enlarge the known distribution of Argentinian Harpactorinae with bioconservation purposes.

We studied 163 specimens of Reduviidae Harpactorinae that belongs to Entomological collection of the Museo de La Plata and provide new records for provinces and localities from Argentina.

RESULTS

SUBFAMILY HARPACTORINAE TRIBE APIOMERINI

Apiomerus flavipennis (Herrich-Schaeffer, 1848)

Material examined: Chaco prov.: Campo del Cielo, S 27 38 W 61 42, I.1934, A. da. Costa Lima det., 1 specimen; Jujuy prov.: Ledesma, S 23 49 W 64 47, 17.X.1930, A. da. Costa

Lima det., 1 specimen; **Misiones prov.**: El Dorado, S 31 27 W 64 15, III.1936, 4 specimens; Loreto, S 27 19 W 55 31, X.1931, A. da. Costa Lima det., 1 specimen.

Argentinian Records: Chaco; Corrientes: San Miguel (12 Km NE) Trujillo; Jujuy; Misiones
Remarks: These are new records of this species from Argentina.

***Apiomerus hempeli* (Costa Lima, Campos Seabra & Hathaway, 1951)**

Material examined: **Misiones prov.**: Pindapoy, S 27 35 W 55 49, III.1936, A. da. Costa Lima det., 1 specimen.

Argentinian Records: Entre Ríos: Villa Elisa.

Remarks: These are new records of this species from Argentina.

***Apiomerus lanipes* (Fabricius, 1803)**

Material examined: **Misiones prov.**: Loreto, S 27 19 W 55 31, 1 specimen.

Argentinian Records: from Misiones to Mendoza, and Northern provinces. Córdoba: Caimán, Carlos Paz, San Javier; Corrientes: Department Capital, Department Esquina, Department Saladas, Department San Roque; Entre Ríos: Department Concordia; Mendoza: City; Misiones: Department Cainguás, Department Eldorado; San Luis: Carolina.

Remarks: These are new records of this species from Argentina.

***Apiomerus nigricollis* (Stål, 1860)**

Material examined: **Entre Ríos prov.**: Paraná, S 31 44 W 80 30, 1 specimen.

Argentinian Records: Argentina: Misiones: Puerto Iguazú.

Remarks: These are new records of this species from Argentina.

TRIBE HARPACTORINI

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

Material examined: **Buenos Aires prov.**: Ciudad, 15.III.1912, 8 specimens; José C. Paz, 1940, 4 specimens; Miramar, 04.III.1939, P. Wygodzinsky det., 1 specimen; Oriente, S 38 44 W 60 36, 28.II.1957, 1 specimen; Isla Martín García, 01.10.1921, 1 specimen; **Catamarca prov.**: Andalgalá, S 27 36 W 66 18, 08.III.1962, 1 specimen; Pomán, S 28 23 W 66 13, 08.III.1962, 3 specimens; Portezuelo, S 28 28 W 65 37, 05.III.1962, 1 specimen; **Chaco prov.**: Charata, S 27 13 W 61 11, X.1924, 1 specimen; Puerto Tirol, 10.IV.1936, 1 specimen; Resistencia, S 27 27 W 58 59, 22.V.1939, 1 specimen; Bajo Grande, S 31 37 W 64 13, 12.XII.1939, 15.XII.1939, 19.XII.1939, 8 specimens; **Córdoba prov.**: Cabana, S 31 13 W 64 22, 10.II.1942, 1 specimen; Oncativo, S 31 54 W 63 40, 17.I.1939, 2 specimens; San Francisco, S 31 25 W 62 05, 21.I.1940, 1 specimen; Tanti, S 31 19 W 64 35, 1 specimen; Unquillo, S 31 14 W 64 19, 17.III.1942, 1 specimen; Villa Rumipal, S 32 10 W 64 58, 18.II.1943 1 specimen; **Corrientes prov.**: San Roque, S 28 34 W 58 42, II.1920, 1 specimen; Solari, S 28 34 W 58 42, 17.XII.1942, 1 specimen; **Jujuy prov.**: Pampa Blanca, S 24 31 W 65 04, 13.III.1939, 2 specimens; **Misiones prov.**: El Dorado, S 31 27 W 64 15, 05.XI.1944, 8 specimens; Iguazú, S 25 37 W 54 20, XI.1944, 1 specimen; **San Luis prov.**: Nogolí, S 32 55 W 66 20, 21.II.1940, 1 specimen; **Santiago del Estero prov.**: Quimilí, S 27 38 W 62 24, 09.XII.1939, 1 specimen; Girardet, S 27 37 W 62 10, 09.XII.1939, 1 specimen; **La Pampa prov.**: Anzoátegui S 38 58 W 63 51, 26.II.1941, 1 specimen.

Argentinian Records: Buenos Aires: Bella Vista; José C. Paz, Luján, Tigre, Cerro Cura Malal; Catamarca: Andalgalá, Cerro Negro, Colpe; Chaco: Resistencia; Córdoba: Dean Funes, Quilino, Carlos Paz, Río San José, Carlos Paz, Río San José; Corrientes: Colonia C. Pellegrini; Misiones: Department Cainguás, Department Concepción de la Sierra, Department Eldorado, Department Guaraní, Department Oberá, Loreto; Corrientes: Department Bella Vista, Departement Concepción, Department Lavalle, Department San Cosme, Department San Luis del Palmar, Department Santo Tomé, Entre Ríos: Department Concordia; Salta: Güemes, Rosario de la Frontera; San Juan: Calingasta; Santa Fé: Five Lillies, Fontana, Reconquista; Santiago del Estero: La Aurora.

Remarks: These are new records of this species from Argentina.

***Atrachelus ignobilis* (Stål, 1859)**

Material examined: **Formosa prov.**: Puente Iriburo, 05.XI.1940, Elkins, 1 specimen.

Argentinian Records: Argentina.

Remarks: These are new records of this species from Argentina.

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

Material examined: **Corrientes prov.:** San Roque, S 28 34 W 58 42, II.1920, 2 specimenes; **Chaco prov.:** Puente de la Plaza, 07.XII.1939, 1 specimen; Picada Guaycurú, S 26 06 W 59 54, 1 specimen; **Jujuy prov.:** Yola, 12.III.1939, 2 specimens; **Santiago del Estero prov.:** Río Salado, S 26 22 W 63 42, 1 specimen.

Argentinian Records: Buenos Aires: Cerro Cura Malal; Chaco: Charata, Picada Guaycurú, Presidente de La Plaza, Resistencia; Catamarca: Pomán; Corrientes: Department Bella Vista, Department Berón de Astrada, Department Capital, Department Curuzú Cuatiá, Department Empedrado, Department Esquina, Department General Paz, Department Goya, Department Itatí, Department Lavalle, Department San Cosme, Department San Luis del Palmar, Department San Martín, Department San Miguel, Department San Roque, Department Santo Tomé, Department Sauce; Misiones: Department Alem, Department Belgrano, Department Cainguás, Department Capital, Department Eldorado, Department Montecarlo, Department Oberá, Department San Javier, Department 25 de Mayo; Colonia C. Pellegrini, Manantiales, Puerto Azcurra, Reserva Iberá, San Roque; Misiones: A. del Medio, Aristóbulo del Valle, Iguazú, L.N. Além, Loreto, Pindaití Siruk, L.N. Alem;; Córdoba Mar Chiquita, Tanti; Corrientes: Colonia C. Pellegrini; Entre Ríos; La Pampa; La Rioja Mendoza; Misiones; Formosa: Pirané; Chaco: Charata, Picada Guaycurú, Presidente de la Plaza, Resistencia; Catamarca: Pomán; Córdoba: Mar Chiquita; Tanti; Corrientes: Colonia C. Pellegrini, Manantiales, Puerto Azcurra, Reserva Iberá, San Roque; Entre Ríos: Concordia; Formosa: Pirané; La Pampa; La Rioja; Misiones: A. del Medio, Aristóbulo del Valle, Iguazú, L. N. Alem, Loreto; Mendoza Pindaití Siruk, Stefañuk, Taranco; Neuquén; Salta: Vaqueros, Cafayate; San Juan; San Luis: Quines; Santa Fé; Santiago del Estero: Río Salado; San Luis: Quines; Tucumán.

Remarks: These are new records of this species from Argentina.

***Cosmoclopius poecilus* (Herrich-Schaeffer, 1848)**

Material examined: **Buenos Aires prov.:** 1 specimen; **Catamarca prov.:** I.1941, 1 specimen; **Córdoba prov.:** Serrezuela, S 30 38 W 65 23, 18.II.1939, P. Wygodzinsky det., 1 specimen; **Formosa prov.:** Isla de Oro, XII.1937, P. Wygodzinsky det., 1 specimen; **Misiones prov.:** Cerro Azul, S 27 38 W 55 29, 1997, 1 specimen; Pindapoy, S 27 35 W 55 49, II.1936, P. Wygodzinsky, det., 1 specimen; **Salta prov.:** XI.1929, 1 specimen; **Tucumán prov.:** VII.1939, 1 specimen.

Argentinian Records: Buenos Aires; Córdoba: Capilla del Monte, Río San José Capilla del Monte, Río San José; Corrientes: Department Bella Vista, Department Berón de Astrada, Department Capital, Department Empedrado, Department Esquina, Department General Paz, Department Goya, Department Ituzaingó, Department Lavalle, Department Mburucuyá, Department San Cosme, Department San Luis del Palmar, Department San Miguel, Department San Roque. Entre Ríos; Formosa: Palosanto Misiones: Department Alem, Department Cainguás, Department Candelaria, Department Montecarlo, Department San Javier, Department 25 de Mayo; A. del Medio, L. N. Alem, Loreto, Stefañuk; Santa Fé.

Remarks: These are new records of this species from Argentina.

***Graptocleptes bicolor* (Burmeister, 1838)**

Material examined: **Córdoba prov.:** San Francisco, S 23 37 W 61 39, 21.I.1940, 3 specimenes; **Corrientes prov.:** San Roque, S 28 34 W 58 42, II.1920, 2 specimenes; **Entre Ríos prov.:** Concordia, S 31 23 W 58 01, II.1936, 3 specimenes; **Jujuy prov.:** 1 specimen; **Misiones prov.:** Santa María, 1 specimen; **Santa Fe prov.:** 1 specimen; **Santiago del Estero prov.:** 1 specimen; **Tucumán prov.:** 06.XII.1928, 1 specimen.

Argentinian Records: Chaco; Corrientes: Department Empedrado; Entre Ríos: Department Concordia.

Remarks: These are new records of this species from Argentina.

***Harpactor angulosus* (Lepeletier & Serville, 1825)**

Material examined: **Misiones prov.:** Iguazú, S 25 37 W 54 20, VI.1942, 1 specimen; Loreto, S 27 19 W 55 31, P. Wygodzinsky det., 1 specimen; **Salta prov.:** Río Cañas, VI.1933, 2 specimenes.

Argentinian Records: Argentina: Misiones: Corpus.

Remarks: These are new records of this species from Argentina.

***Harpactor distinguendus* (Stål, 1859)**

Material examined: **Misiones prov.**: 1 specimen.

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

***Harpactor tuberculosus* (Stål, 1872)**

Material examined: **Catamarca prov.**: Icaño, S 28 54 W 65 19, P. Wygodzinsky det., 1 specimen; **Córdoba prov.**: Cabana, S 31 13 W 64 22, 08.II.1937, P. Wygoszinsky det., 2 specimens; **Formosa prov.**: San Francisco, S 23 37 W 61 39, 12.XI.1942, P. Wygodzinsky det., 1 specimen; **Misiones prov.**: El Soberbio, S 27 17 W 54 12, X.1947, 1 specimen; Loreto, S 27 19 W 55 31, P. Wygodzinsky det., 2 specimens; Pindapoy, S 27 35 W 55 49, II.1936, 1 specimen; Santa María, X.1956, 1 specimen; **Santiago del Estero prov.**: 1 specimen.

Argentinian Records: Salta.

Remarks: These are new records of this species from Argentina.

***Heza binotata* (Lepeletier & Serville, 1825)**

Material examined: **Corrientes prov.**: Pellegrini, S 27 27 W 58 50, 09.V.2002, M. Melo det., 4 specimens.

Argentinian Records: Argentina.

Remarks: These are new records of this species from Argentina.

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

Material examined: **Corrientes prov.**: San Roque, S 28 34 W 58 42, 4 specimens; **Entre Ríos prov.**: Concordia, S 31 23 W 58 01, II.1936, 1 specimen; **Formosa prov.**: Misión Lashi, 12.XI.1942, 2 specimens; **Jujuy prov.**: Ledesma, S 23 49 W 64 47, 28.I.1958, 1 specimen; **Misiones prov.**: Iguaçú, S 25 37 W 54 20, XI.1944, 5 specimens.

Argentinian Records: Chaco; Corrientes: Colonia C. Pellegrini, Department San Martín; Entre Ríos; Formosa; Jujuy; Misiones: Department Alem, Department Belgrano, Department Cainguás, Department Eldorado, Department 25 de Mayo; Santa Fé, Salta; Tucumán.

Remarks: These are new records of this species from Argentina.

***Ricolla quadrispinosa* (Linnaeus, 1767)**

Material examined: **Corrientes prov.**: 1 specimen; **Misiones prov.**: Caraguatay, S 26 37 W 54 46, 13.XII.1957, 27.I.1960, M. Melo det., 5 specimens; Loreto, S 27 19 W 55 31, III.1936, IV.1936, IV.1939, 11.XI.1941, P. Wygodzinsky det., 8 specimens; Pindapoy, S 27 35 W 55 49, 10.I.1959, M. Melo det., 2 specimens; **Tucumán prov.**: P. Wygodzinsky det., 1 specimen.

Argentinian Records: Entre Ríos, Paraná; Misiones: Santa Rita; Department Belgrano, Department El Dorado, Department Iguaçú, Department San Ignacio.

Remarks: These are new records of this species from Argentina.

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

Material examined: **Chaco prov.**: Resistencia, S 27 27 W 58 59, XII.1935, 1 specimen; **Entre Ríos prov.**: 1 specimen; **Formosa prov.**: Clorinda, S 25 17 W 57 43, IV.1940, 1 specimen.

Argentinian Records: Corrientes: Colonia C. Pellegrini.

Remarks: These are new records of this species from Argentina.

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

Material examined: **Corrientes prov.**: Santa María, 28.X.2003, M. Melo det., 1 specimen; **Misiones prov.**: El Dorado, S 31 27 W 64 15, IV.1935, 1 specimen.

Argentinian Records: Corrientes: Department Santo Tomé; Misiones: Department Cainguás, Victoria; Salta: Orán, Aguas Blancas.

Remarks: These are new records of this species from Argentina.

***Zelus illotus* (Berg, 1879)**

Material examined: **Corrientes prov.**: San Roque, S 28 34 W 58 42, XI.1920, 1 specimen;

Entre Ríos prov.: Concordia, S 31 23 W 58 01, 19.XII.1941, 1 specimen; **Formosa prov.**: Clorinda, S 25 17 W 57 43, IV.1940, 1 specimen; Isla Oca, III.1936, 1 specimen; **Misiones**

prov.: El Dorado, S 31 27 W 64 15, V.1936, 1 specimen; Iguazú, S 25 37 W 54 20, XI.1944, 1 specimen; Loreto, S 27 19 W 55 31, III.1936, 1 specimen; Montecarlo, S 26 34 W 54 45, 20.07.1982, 1 specimen; **Salta prov.:** Ortiz, S 24 47 W 65 26, IX.1939, 1 specimen; **Tucumán prov.:** Villa Monti, S 26 28 W 64 58, XI.1961, 1 specimen.

Argentinian Records: Corrientes: Colonia C. Pellegrini; Misiones.

Remarks: These are new records of this species from Argentina.

***Zelus leucogrammus* (Perty, 1834)**

Material examined: **Jujuy prov.:** 30.I.1946, 1 specimen; **Misiones prov.:** Iguazú, S 25 37 W 54 20, P. Wygodzinsky det., 1 specimen; **Tucumán prov.:** Aragón, S 27 10 W 64 47, 06.VI.1913, 1 specimen.

Argentinian Records: Catamarca: El Rodeo; Chaco; Corrientes Caa-catí, Department Monte Caseros, Department Santo Tomé, Colonia C. Pellegrini; Entre Ríos Paraná; Formosa; Salta: Abra Santa Laura, Valle Viejo; Santa Fé; Santiago del Estero ; Misiones El Dorado; Salta: Abra Santa Laura, Valle Viejo; Santa Fé; Tucumán.

Remarks: These are new records of this species from Argentina.

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