

First records of leaf-footed bugs (Heteroptera: Coreoidea: Coreidae) from Argentina

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Primeros registros de chinches foliadas (Heteróptera: Coreoidea: Coreidae) de la Argentina

RESUMEN. La familia Coreidae es un grupo de chinches fitófagas, con una distribución cosmopolita y mayor diversidad en áreas tropicales y subtropicales. El conocimiento de los Coreidos argentinos es aún incompleto, en este trabajo registramos de la Argentina las siguientes nueve especies: *Althos distinctus* (Signoret), *Cnemyrtus scriptus* (Burmeister), *Himella venosa* Dallas, *Nyttum beckeri* Dolling & Casini, *Ugnius badius* (Herrich-Schäffer), *Vilga (Echinovilga) dallasi* Distant, *Vilga (Laevivilga) sanctipauli* Dolling, *Vilga (Vilgula) obliqua* Dolling y *Zicca pronotata* Brailovsky & Cadena.

PALABRAS CLAVE. Anisoscelini. Hypselonotini. Nematopodini. Placoscelini. Pseudophloeini.

ABSTRACT. The family Coreidae is a diverse group of phytophagous Heteroptera that show a cosmopolitan distribution although they are more diverse in tropical and subtropical areas. The knowledge of the diversity of Argentinean Coreidae is incomplete; in this contribution we report the following nine species from Argentina: *Althos distinctus* (Signoret), *Cnemyrtus scriptus* (Burmeister), *Himella venosa* Dallas, *Nyttum beckeri* Dolling & Casini, *Ugnius badius* (Herrich-Schäffer), *Vilga (Echinovilga) dallasi* Distant, *Vilga (Laevivilga) sanctipauli* Dolling, *Vilga (Vilgula) obliqua* Dolling and *Zicca pronotata* Brailovsky & Cadena.

KEYWORDS. Anisoscelini. Hypselonotini. Nematopodini. Placoscelini. Pseudophloeini.

The family Coreidae is a diverse group of terrestrial Heteroptera with a cosmopolitan distribution and greater diversity in tropical and subtropical areas (Schuh & Slater, 1995). The species included in the family are mainly phytophagous, and many show definite associations with particular plants, making them important crop pests (Mitchell, 2000). The family contains about 519 genera and about 3,098 species worldwide (Coreoidea SF Team), of which 158 genera are found in the Neotropical region. All three subfamilies (Pseudophloeinae, Merophachyinae and Coreinae) and 16 tribes are represented in the region (Henry, 2009; Fernandez et al., 2015).

The Neotropical Coreidae fauna has been extensively studied by Brailovsky, but the knowledge of the diversity of Argentinean Coreidae is far from complete, mainly

due to the absence of South American specialists. The major contributions to Argentinean fauna were done by Pennington (1920-1921, 1922) and by Kormilev (1954), and by Brailovsky's works that studied many species from Argentina, particularly in the context of systematic revisions. According to the literature, there are about 140 species recorded from Argentina, but this number is far from the real diversity of the country.

In this paper, we present nine first records for coreid species belonging to the following tribes: Pseudophloeinae: Pseudophloeini (3 sp.), Coreinae: Anisoscelini (1 sp.), Hypselonotini (2 sp.), Nematopodini (2 sp.) and Placoscelini (1 sp.).

The specimens were examined under an Olympus SZ stereomicroscope; to confirm identification of some specimens, the genital capsule of males and genital

segments of females were dissected and cleared with a saturated potassium hydroxide solution for observation. The dissected genitalia were subsequently preserved in microvials with glycerin. The locations reported for study materials refer to the political division of Argentina into provinces; other countries where the species have been recorded in the literature are mentioned. The material examined belongs to the entomological collection of Museo de La Plata, Buenos Aires, Argentina (MLP). For each species the Life Science Identifier (LSID) was added, to link with the Coreoidea Species File website (CoreoideaSF Team).

Below we present the list with the new species registered from Argentina.

Subfamily Pseudophloeinae

Tribe Pseudophloeini

***Vilga (Echinovilga) dalasi* Distant, 1881**

urn:lsid:Coreoidea.speciesfile.org:TaxonName:458571

Geographic distribution: Brazil, French Guiana, Guatemala and Paraguay (Berg 1894; Dolling, 1977; Packauskas, 2010).

Studied material: ARGENTINA. Misiones: 1 male, Campos S.A., 8-III-2010, P.M. Dellapé.

***Vilga (Laevivilga) sanctipauli* Dolling, 1977**

urn:lsid:Coreoidea.speciesfile.org:TaxonName:458574

Geographic distribution: Brazil (Dolling, 1977; Packauskas, 2010).

Studied material: ARGENTINA. Misiones: 1 male, NW de Apóstoles, 27° 52.451'S 55° 39.514'W, 146 msnm, 8-III-2010, P.M. Dellapé.

***Vilga (Vilgula) obliqua* Dolling, 1977**

urn:lsid:Coreoidea.speciesfile.org:TaxonName:458591

Geographic distribution: Brazil (Dolling, 1977; Packauskas, 2010).

Studied material: ARGENTINA. Misiones: 1 male, Campos S.A., 8-III-2010, P.M. Dellapé.

Subfamily Coreinae

Tribe Anisoscnelini

***Ugnius badius* (Herrich-Schäffer, 1851)**

urn:lsid:Coreoidea.speciesfile.org:TaxonName:457564

Geographic distribution: Brazil, Bolivia and Paraguay (Herrich-Schäffer, 1851, 1853; Packauskas, 2010).

Studied material: ARGENTINA. Misiones: 1 female, San Ignacio, 8-XII-1941, Birabén-Bezzi; 1 female, RP2, 20 km NE El Soberbio, 27°12.220'S- 54°01.375'W, 326m, 5-III-2010, G. del Río; 1 male San Ignacio, 8-XII-1941, Birabén-Bezzi; 1 male, XI-1941; 1 male, Alta Paraná Sociedad Anónima, 26°01'47.9"S- 54°6'3.2"W, 22-II-2009, L. Negrete

Tribe Hypselonotini

***Althos distinctus* (Signoret, 1863)**

urn:lsid:Coreoidea.speciesfile.org:TaxonName:454369

Geographic distribution: Chile (Brailovsky, 1990).

Studied material: ARGENTINA. Río Negro: 12 females, Bariloche, Margen del Río Limay, 16-II-2015, S. Montemayor; 1 male, Bariloche, Río Limay, 16-II-2015, S. Montemayor

***Zicca pronotata* Brailovsky & Cadena, 1992**

urn:lsid:Coreoidea.speciesfile.org:TaxonName:454146

Geographic distribution: Brazil (Brailovsky & Cadena, 1992).

Studied material: ARGENTINA. Misiones: 1 female, Reserva de Vida Silvestre Urugua-í, sendero Pozones, 25°59'01"S- 54°06'51"W, 31-X-2010, L. Negrete

Tribe Nematopodini

***Cnemyrtus scriptus* (Burmeister, 1835)**

urn:lsid:Coreoidea.speciesfile.org:TaxonName:453109

Geographic distribution: Brazil and Paraguay (O'Shea, 1980).

Studied material: ARGENTINA. Buenos Aires: 1 female, Sierra de La Ventana, XI-1970, A.A. Pirán. Chaco: 1 female, Charata, X-1924, Bosq; 1 female, Resistencia, 26-IV-1938; 3 males, Charata, X-1924, Bosq. Córdoba: 1 male, Dep. De Calamuchita, "El Sauce", XII-1938, M.I. Viana.

***Himella venosa* Dallas, 1852**

urn:lsid:Coreoidea.speciesfile.org:TaxonName:453099

Geographic distribution: Brazil (O'Shea, 1980; Brailovsky & Barrera, 1986).

Studied material: ARGENTINA. Misiones: 1 female, Reserva Natural Estricta San Antonio, 7-V-2008, L. Negrete; 1 male, Reserva Natural Estricta San Antonio, 7-V-2008, L. Negrete.

Tribe Placoscelini

***Nyttum beckeri* Dolling & Casini, 1988**

urn:lsid:Coreoidea.speciesfile.org:TaxonName:454481

Geographic distribution: Brazil and West Indies (Dolling & Casini, 1988; Packauskas, 2010).

Studied material: ARGENTINA. Misiones: 1 male, Parque Provincial Urugua-í, 25°51.464'S- 54°10.139'W, 276m, 7-III-2010, P.M. Dellapé.

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