

Cerambycidae (Coleoptera) of the province of Mendoza, Argentina

O. R. Di Ioirio¹, A. H. Riquelme² and J. R. Esteban-Durán^{3*}

¹ Entomología. Departamento de Ciencias Biológicas. Pabellón II, 4.º piso.

Facultad de Ciencias Exactas y Naturales. 1428 Ciudad Universitaria. Buenos Aires. Argentina

² Entomología. EEA Mendoza INTA. San Martín 3853. Luján de Cuyo. 5507 Mendoza. Argentina

³ Departamento de Protección Vegetal. SGIT-INIA. Ctra. La Coruña, km 7,2. 28040 Madrid. Spain

Abstract

Eighty five species of Cerambycidae (Coleoptera) were recorded for the Province of Mendoza, Argentina, 72 already mentioned in the literature (5 Prioninae, 5 Anoplodermatinae, 52 Cerambycinae, and 10 Lamiinae) and 13 new species (1 Prioninae, 10 Cerambycinae, and 2 Lamiinae). The descriptions of some type-specimens cited for Mendoza are included. Six species (1 Anoplodermatinae, 4 Cerambycinae, 1 Lamiinae) should be excluded from the fauna of the district; these appear to have been either mislabelled specimens or introduced species that failed to establish themselves because of the different climate. Most of the species discussed are grouped according to their host plants (or botanical families) as recorded for other areas of the country. This paper includes the first official citing of *Phoracantha recurva* (now correctly identified) in Argentina, though it has probably been in this country for more than 30 years.

Key words: distribution, hosts, taxonomy, biodiversity.

Resumen

Cerambycidae (Coleoptera) de la provincia de Mendoza, Argentina

Se ha censado un total integrado por 85 especies de Cerambycidae (Coleoptera) en la Provincia de Mendoza (Argentina). De ellas, 72 son especies anteriormente mencionadas en la literatura científica (5 Prioninae, 5 Anoplodermatinae, 52 Cerambycinae y 10 Lamiinae) y 13 son nuevos registros (1 Prioninae, 10 Cerambycinae y 2 Lamiinae). Se incluye el examen de ejemplares tipo de algunas especies capturados en la Provincia de Mendoza. Así mismo se excluyen de la fauna registrada hasta ahora en la zona y reflejada en la literatura, 6 especies (1 Anoplodermatinae, 4 Cerambycinae y 1 Lamiinae), algunas probablemente confundidas durante el etiquetado y la determinación o posiblemente transportadas en el interior de las plantas hospedantes y que posteriormente no se han establecido en la provincia por causas probablemente bioclimáticas. Se agrupan la mayoría de especies de Cerambycidae tratadas en relación con las respectivas especies y/o familias botánicas hospedantes conocidas en otras áreas del país. Se ha realizado el primer registro oficial de *Phoracantha recurva* en Argentina, ahora correctamente identificada, aunque probablemente se encontraba ya en el país desde hace poco más de treinta años.

Palabras clave: distribución, hospedantes, taxonomía, biodiversidad.

Introduction

Burmeister (1861) was the first to cite a number of species of Cerambycidae (Coleoptera) in the Province of Mendoza (Argentina): a large *Mallodon* (*M. bonariense* Dej.), a new *Calocomus* (*C. bravardi* Nob.), *Micropsalis heterogama* Nob. (a new and very original trachyderid), a second, larger species, probably *Orion lachesis*, and a third species with extraordi-

nary long legs (*Stenophantes longipes* Nob.). He also reported a *Clytus*, a Lamiada (*Acanthoderus congener*) and a *Saperda* (*Phytoecia*). Fairmaire (1864) described several species of Buprestidae and Cerambycidae collected by Germain around the outskirts of the city of Mendoza. Burmeister (1865) and Berg (1889) described several new species of Cerambycidae from Mendoza, to which Gounelle (1906) added another from material sent by Bruch. Bruch (1912) cited 47 species of Cerambycidae for the province, those described by Burmeister plus others sent for identification by C.S. Reed during his short stay

* Corresponding author: esteban@inia.es

Received: 19-02-03; Accepted: 08-10-03.

in the area. In 1912, Reed published a report mentioning some species in the text of his figure 12 (still unidentified at the time and therefore without names). The specimens belonging to the Bruch collection at the *División de Entomología*, Museo Argentino de Ciencias Naturales (MACN) are cited by Bosq (1934, 1943), Zajciw (1959), Viana (1972), and Marques and Napp (1996). Viana and Williner (1974) included Mendoza in their entomological survey of the central and Cuyana provinces of Argentina, citing Cerambycidae species in these areas that previously had only been recorded in Mendoza. Later authors (Mácola and García Saez, 1986, 1991; Galileo and Martins, 1994; Di Iorio *et al.*, 1998) have cited three further species for the province, making a total of 72 (5 Prioninae, 5 Anoplodermatinae, 52 Cerambycinae and 10 Lamiinae).

In recent years, entomological surveys of the Ñacuñán and Telteca Nature Reserves have provided several new citations that were expected for the biogeographical area of the Province of Mendoza. For some species of the province, only synonyms have ever been mentioned.

In the present paper, the names of the new entries are preceded by an asterisk. All specimens were identified by O.R. Di Iorio.

Material and Methods

The studied specimens were from reference collections with complete and trustworthy labels, in large part collected by the present authors between 1990 and 2002 using different capture methods: mercury vapour lamp trap, *butterfly net*, during the day, 'battage', Malaise trap, etc. Some specimens captured by two of the authors (Riquelme and Esteban-Durán) during field work at the Telteca Reserve (1999-2002 INIA-INTA; Cerambycidae sub-project) are shown.

Species were grouped according to their host plants, as recorded in the literature for other provinces of Argentina.

Collections examined

CB: Carlos Bruch, MACN «Bernardino Rivadavia», Buenos Aires. **HB:** Hermann Burmeister (MACN). **IADIZA:** Instituto Argentino de Investigaciones de las Zonas Áridas, Mendoza. **JED:** The José Esteban Du-

rán Collection, Madrid, Spain. **MACN:** The Colección General, MACN, «Bernardino Rivadavia», Buenos Aires. **MLP:** Museo de La Plata, Buenos Aires. **ODI:** Osvaldo Di Iorio, Buenos Aires.

Results

Subfamily **PRIONINAE** Latreille, 1802.

Calocomini Galileo and Martins, 1993.

— *Calocomus desmaresti* (Guérin-Méneville, 1831) (Fig. 1).

— *Calocomus bravardi* Burmeister, 1861 [nomen nudum].

— *Calocomus* sp. Cordo and De Loach, 1993; Cordo and De Loach, 1995.

Mendoza (Reed, 1909: fig. 14(1), 1912: 41: fig. 12(1); Bruch, 1912, 1916; BOSQ, 1934, 1943; Viana, 1972; Cordo and De Loach, 1995): San Carlos (Burmeister, 1861); El Nihuil, Luján de Cuyo, San Rafael (Viana and Williner, 1974); Capellán, Chumbiche (Burmeister, 1865; Galileo and Martins, 1994); San Carlos (Burmeister, 1861, 1865; Galileo and Martins, 1994); Route 40, 13 mi N of Tunuyán (Di Iorio *et al.*, 1998).

Material examined: Mendoza: «1947», coll. Borg, 1 ex. (MACN); I-1921, C.S. Reed leg., coll. Stevenin, 1 ex. (MACN); El Nihuil, I-1972, Viana leg., 1 ex. (MACN); Santa Rosa, 28-I-2.000, Riquelme leg., 3 males. (JED), in flight with a net 5-II-2000, Riquelme H. leg, 5 females (JED), in flight with a net.

Comment: See Di Iorio (2002: 6) for a discussion on the validity of the names used by Burmeister (1861).

— *Calocomus morosus* White, 1850 (Figs. 2 and 3).

— *Calocomus coriaceus* Fairmaire, 1864.

Mendoza (Reed, 1912; Bruch, 1912; Bosq, 1934, 1943): «Aux environs de Mendoza» (Fairmaire, 1864); Chacras de Coria (Bruch, 1916); El Nihuil, Luján de Cuyo, San Rafael (Viana and Williner, 1974); 5 miles E of Punta de Vacas (Galileo and Martins, 1994); «College Gallegos» (Dohrn, 1882 in Galileo and Martins, 1994).

Material examined: Mendoza: C. Bruch leg., 1 ex. (MACN); I-1937, 1 ex. (MACN); Telteca Reserve, 5-V-1999, Esteban-Durán J.R. leg., 1 male. (JED), mercury vapour lamp trap, 5-III-2000, 1 female (JED), on a flower, by hand, 13-XII-2001, Riquelme H. leg, 2 exx.(JED), mercury vapour lamp trap.



Figure 1. *Calocomus desmaresti* ♂, 35 mm.



Figure 2. *Calocomus morosus* (forma típica) ♂, 24 mm.



Figure 3. *Calocomus morosus* (forma negra) ♂, 17 mm.

Prionini (Latreille, 1802)

— **Micropsalis germaini durnfordi* Burmeister, 1879.

Material examined: Mendoza: «W border of the Pa-xún plain at the level of Zampal II-78», Menu Marque S. leg., 3 males, 1 female (IADIZA).

Comment: This subspecies, with the synonym *Micropsalis heterogama* Burmeister, 1861, was revali-dated by Di Iorio (2002).

— *Micropsalis germaini germaini* (Fairmaire, 1864).

— *Apterocaulus germainii* Fairmaire, 1864.

— *Psalidognathus germaini durnfordi* (non Bur-meister, 1879)] Di Iorio, 1996b [*partim*, identifica-tion error].

Mendoza (Burmeister, 1861; Bruch, 1912; Bosq, 1953): «Aux environs de Mendoza» (Fairmaire, 1864); «Borbollón» [2 leagues North of Mendoza city] (Burmeister, 1865); San Rafael (Reed, 1912: fig. 13); Salinas El Diamante (Viana and Williner, 1974); El Nihuil (Viana and Williner, 1974; Di Iorio, 1996b).

Material examined: Mendoza: 1 male, Syntype (BURM), «Mendoza» [printed on green paper], «484» [printed on whitish paper], «*Micropsalis / heterogama* / Burmeister 1865 / Syntypus» [handwritten by A. Bachmann on red paper]; Route 40, 40 km S Malargüe, II-1966, Martínez leg., 2 males (ODI); El Nihuil, III-1973, Viana leg., 5 exx. (MACN) [included as *Psalidognathus germaini durnfordi* by Di Iorio (1996d)]; 12 km from Volcán Diamante, New Route 40, III-1976, Roig S. leg., 3 males, 2 females (IADIZA); Departamento Las Heras, Cerro La Cal, XII-1977, Roig C. leg., 1 male

(IADIZA); Departamento Malargüe, Río Grande, 15-III-1985, Ambrosetti leg., 1 female (IADIZA); Departa-mento Malargüe, Mina Huemul, II-1972, Menu Marque S. leg., 1 male (IADIZA); San Martín, Roig A. leg., 1 male (IADIZA); Departamento San Rafael, Cerro Los Buitres (1650 m), 22-I-1979, Roig S. leg., 1 female (IADIZA); Departamento San Rafael, Cañón Atuel (20 km W Nihuil), 1 male, 1 female (IADIZA); Departamento San Carlos, Loma Los Corralones, 24-I-1979, Roig C. leg., 4 males, 2 females (IADIZA); Departamento San Carlos, El Zampal (near the Volcán Diamante), 23-I-1979, Roig C. leg., 6 males, 1 female (IADIZA).

Mallodonini (Thomson, 1860)

— *Mallodon spinibarbis* (L., 1758) (Fig. 4).

— *Mallodon bonariense* Dejean [*nomen nudum*]: Burmeister, 1861.

Mendoza (Burmeister, 1861; Reed, 1909: fig. 15, 1912: fig. 11; Sanzín, 1929; Mácola and García Saez, 1987): Chacras de Coria, Luján de Cuyo (Viana and Williner, 1974).

Material examined: Mendoza: 1 ex. (HB); Guay-mallén, 1 ex. (IADIZA); Ciudad Capital, Parque Ge-neral San Martín, 26-XII-1983, 1 ex. (IADIZA), II-1985, 1 ex. (IADIZA); Chacras de Coria, I-1985, 2 exx. (IADIZA); Dto. Santa Rosa, El Divisadero, 13-XII-1983, Roig F. leg., 1 ex. (IADIZA); [Dto.] Guayma-llén, Los Corralitos, 28-XII-1998, Suarez G. leg., 1 ex. (IADIZA); Perdriel, Urbina S. leg., 1 ex. (IADIZA), 7-I-1992, Debandi G. leg., 1 ex. (IADIZA); Telteca



Figure 4. *Mallodon spinibarbis* ♀, 43 mm.

Reserve, Riquelme H. leg., 13-XII-2001, 1 female (JED), mercury vapour lamp trap, 18-I-2002, 1 female (JED), mercury vapour lamp trap.

Comment: According to Vives (2000), the name of the tribe Macrotomini Thomson, 1860, is derived from *Macrotoma* Audinet-Serville, 1832 (July) (Coleoptera, Cerambycidae), a secondary homonym of *Macrotoma* Laporte, 1832 (April) (Diptera); the Eurasiatic genera were therefore given the new name Prionobini (Vives, 2000). It is very probable that the American genera ought to be included in a different tribe, for which the next available name is Mallodonini Thomson, 1860. The genus *Stenodontes* Audinet-Serville, 1832, to which *Mallodon bonariense* Dejean belongs (in the subgenus *Orthomallodon* Linsley, 1957) was restricted to the species of the Greater and Lesser Antilles (insular Central America) (Monné and Hovore, 2002).

— *Acalodegma servillei* (Blanchard, in Gay, 1851).

Mendoza (Bruch, 1912; Monné and Giesbert, 1995): Santa Rosa de los Andes mountains [around the city of Mendoza] (Bleuzen, 1994).

Subfamily **ANOPLODERMATINAE**
Guérin-Ménéville, 1840.

— *Acanthomigdolus quadricollis* (Bates, 1875).

Mendoza (Bates, 1875 [type-site]; Bruch, 1912; Lameere, 1912 [according to Bruch, 1912]; Prosen, 1959

[according to a specimen in the Bruch collection]): Lavalle (Dias, 1986).

— *Anoploderma breueri* Lameere, 1912.

— *Anoploderma martinezi* Prosen, 1959.

— *Anoploderma martinezi* Viana, 1972.

Mendoza: Chacras de Coria (Prosen, 1959 [site-type]; Viana, 1972; Dias, 1986 [according to Prosen, 1959]).

— *Paramigdolus tetropioides* (Fairmaire, 1893).

Mendoza (Dias, 1988 [according to Prosen, 1959]).

— *Sipylus ferrugineus* Gounelle, 1913.

Mendoza (DIAS, 1986).

— *Sipylus orbignyi* Guérin-Ménéville, 1840.

Mendoza (Bruch, 1912; Lameere, 1912 [according to Bruch, 1912]; Dias, 1986): Departamento San Carlos, Chilecito (Bruch, 1921).

Subfamily **CERAMBYCINAE** Latreille, 1802

Achrysonini Lacordaire, 1869

— *Achryson lutarium* Burmeister, 1865.

Mendoza (Reed, 1909: fig. 14(2), 1912: 41, fig. 12(2); Bruch, 1912; Bosq, 1943; Viana, 1972).

Material examined: Mendoza: I-1930, Espinola leg., 1 ex. (ODI); Departamento Lavalle, Telteca, 12-X-1993, Tubares R. leg., 1 ex. (IADIZA), Debandi G. leg., 1 ex. (IADIZA); Ciudad Capital, II-1968, Roig. leg., 1 ex. (IADIZA).

— *Achryson maculatum* Burmeister, 1865.

Mendoza (Bruch, 1912; Bosq, 1943; Viana, 1972): Uspallata (Monné, 1972).

Material examined: Mendoza: C.S. Reed leg., 1 ex. (MACN).

— *Achryson surinamum* (L., 1767).

Mendoza (Reed, 1909: fig. 14(8), 1912: 41, fig. 12(8); Bruch, 1912; Bosq, 1943).

Material examined: Mendoza: coll. Richter, 1 ex. (MLP); Reed, C.S. leg., 1 ex. (MLP); Luján, 18-I-1940, 1 ex. (MACN); Ñacuñán, I-1976, 1 ex. (IADIZA); Ciudad Capital, 1 ex. (IADIZA), II-1962, Roig A. leg., 1 ex. (IADIZA); Chacras de Coria, 25-XII-1978, Roig S. leg., 1 ex. (IADIZA); Departamento Luján, Perdriel, 7-I-1992, Debandi G. leg., 1 ex. (IADIZA).

— *Achryson undulatum* Burmeister, 1865.

Mendoza (Bruch, 1912; Bosq, 1943): Alvear (Monné, 1972).

— *Achryson unicolor* Bruch, 1908.

Mendoza (Reed, 1909: fig. 14(10), 1912: 41, fig. 12(10) [as *Trichophorus* sp.]).

Methiini Thomson, 1860

— **Methia argentina* Bruch, 1918.

Material examined: Mendoza: Departamento Laval-
le, El Retamo, 13-XII-1979, E. Maury and A. Roig
leg., 2 exx. (IADIZA).

Elaphidiini Thomson, 1864

— **Ambonus albomaculatus* (Burmeister, 1865).

Material examined: Departamento Lavalle, Telteca,
Flores G. and Roig E. leg., 1 ex. (IADIZA).

— *Ambonus interrogationis* (Blanchard in Orbigny,
1843).

Mendoza (Reed, 1909: fig. 14(9), 1912: 41, 12(9);
Bruch, 1912; Viana, 1972).

Material examined: Mendoza: Departamento Santa
Rosa, Ñacuñán, I-1976, Roig S. leg., 2 exx. (IADIZA);
Departamento Luján, Perdriel, 7-I-1992, Debandi leg.,
1 ex. (IADIZA).

— *Ambonus proximus* (Berg, 1889).

Mendoza (BRUCH, 1912): close to Mendoza [city]
(Berg, 1889).

— *Centrocerum exornatum* (Newman, 1841).

— *Ibidion argentinum* Burmeister, 1865.

Mendoza (Burmeister, 1865 [syntypical site];
Bruch, 1912; Bosq, 1952).

Material examined: Mendoza: 1 ex. Syntypus
(BURM), «Mendoza» [printed in black on pale green
paper], «528» [printed in black on white paper],
«*Ibidion / argentinum* / Burmeister 1865 / Syntypus»
[handwritten by A. Bachmann on red paper]; Depar-
tamento Luján, Perdriel, 6-I-1994, Debandi leg., 1 ex.
(IADIZA).

— *Centrocerum richteri* Bruch, 1911.

Mendoza (Bosq, 1952).

— *Hoplogrammicus cinnamomeum* (Gounelle, 1913).
Mendoza: La Dormida (Viana and Williner, 1974).

— *Miopteryx spinigera* Blanchard in Orbigny, 1843.
Mendoza (Reed, 1909: fig. 14(14), 1912: 41, fig.
12(14)).

Material examined: Mendoza: C.S. Reed leg., 2 exx.
(MACN).

— *Orion patagonus* Guérin-Ménéville, 1844.

— *Orion lachesis* Dejean [nomem nudum]: Bur-
meister, 1861, 1865.

Mendoza (Burmeister, 1861, 1865; Reed, 1912: 41;
Bosq, 1943).

Material examined: Mendoza: 1 ex. (HB); C.S. Re-
ed leg., coll. Breyer, 1 ex. (MACN).

— *Sphaerion exutum* (Newman, 1841).

— *Sphaerion rusticum* Burmeister, 1865?

Mendoza (Bruch, 1912).

Comment: Called *Sphaerion rusticum*, a synonym
of *Sphaerion exutum*, later revalidated. The citing for
Mendoza might correspond to one or the other species
until materials from this area can be examined.

— *Sphaerion inerme* White, 1853.

Mendoza (Bruch, 1912).

— *Stizocera spinicornis* (Fairmaire, 1864) (Fig. 5).

— *Ibidion argentinum* Burmeister, 1865.

Mendoza (Burmeister, 1865; Reed, 1909: fig. 14(4),
1912: fig. 12(4) [as *Achryson unicolor*]; BRUCH,
1912; BOSQ, 1934, 1943): «Aux environs de Mendoza»
(Fairmaire, 1864).

Material examined: Mendoza: I-1929, Reboredo
leg., 1 ex. (ODI); Chacras de Coria, 1906, Joergensen
leg., 1 ex. (ODI); Departamento Lavalle, El Retamo,
13-XII-1979, Maury E. and A. Roig leg., 4 exx. (IA-
DIZA); Nacuñán, II-1974, Roig A. leg., 1 ex. (IADI-
ZA), XII-1975, Roig A. leg., 3 exx. (IADIZA), 30-X-
1996, Debandi G. leg., 1 ex. (IADIZA); Huarpes,
2-II-1979, 1 ex. (IADIZA); Dto. Lavalle, 20 m W



Figure 5. *Stizocera spinicornis* ♂, 10 mm.

Arroyito, 12-XII-1979, Roig A. leg., 2 exx. (IADIZA); Dto. Lavalle, Telteca, 13-II-1998, Roig S. and G. Debandi leg., 1 ex. (IADIZA), 5-V-2000, Esteban-Durán J.E. leg., 2 exx. (JED), mercury vapour lamp trap; Riquelme A.H., leg., 24-II-2001, 5 exx. (JED), 25-II-2001, 17 exx. (JED), mercury vapour lamp trap, Departamento San Rafael, 6 miles N of Punta del Agua, 14-XII-1998, S. Flores and S. Roig leg., 2 exx. (IADIZA).

Phoracanthini Lacordaire, 1869

— **Phoracantha recurva* Newmann, 1840 (Fig. 6).

Material examined: Telteca Reserve, 2-II-2002, Riquelme H. leg., 3 exx. (JED), mercury vapour lamp trap.

Comment: this is the first official record of this species, now correctly identified, in Argentina, though it has been present in this country for just over thirty years (Di Iorio, 2003).

Holopterini Lacordaire, 1869

— *Neholopterus reedi* (Bruch, 1918b).

Mendoza: Villavicencio [syntypical site] (Bruch, 1918a, 1918b).

Material examined: Mendoza: 1 ex. *Syntypus* (CB), «Rep. Argentina / Prov. Mendoza / 190 / C. Bruch» [printed in black on white paper], «Typus» [printed in black on pale green paper], «*Holopterus / Holopteridius /*

Reedi / Bruch [handwritten by Bruch] / C. Bruch determ. [printed in black on white paper]»; 1 ex. *Syntypus* (CB), «Mendoza / Villavicencio» [handwritten by Bruch on white paper], «Typus» [printed in black on pale green paper], «*Holopterus / (Holopteridius) / Reedi* / Bruch 1918b / *Syntypus*» [handwritten by A. Bachmann on red paper].

— *Stenophantes longipes* Burmeister, 1861.

— *Holopterus cujanus* Burmeister, 1865 [= *S. longipes* Burm.].

— *Holopterus longipes* (Burmeister) [= *H. cujanus* Burm.] (Bruch, 1912).

— *Stenophantes longipes* Martins and Monné, 1998 [reval.].

Mendoza (Burmeister, 1861; Bruch, 1912; Martins and Monné, 1998): «Am Fuss der Sierra in Challao (Burmeister, 1865 [type-site]); Potrerillos (Bruch, 1918b; Martins and Monné, 1998).

Material examined: 1 ex. *Holotypus* (BURM), «Mendoza» [printed in black on pale green paper], «533» [printed in black on white paper], «*Holopterus / cujanus* / Burmeister 1865 / Typus ?» [handwritten by A. Bachmann on red paper]; «11928», Cacheuta, 1 ex. (MACN); Departamento San Rafael, Salar del Nihuil, IV-1995, Ojeda R. leg., 2 exx. (IADIZA); Departamento Uspallata, Quebrada del Camino, 13-II-1985, 3 exx. (IADIZA).

— *Stenophantes patagonicus* (Bruch, 1918b).

Mendoza: General Alvear (Martins and Monné, 1998).

Material examined: Mendoza: Valle Fértil, XI-1971, Wiliner leg., 1 EX. (ODI).

Eburiini Blanchard, 1845

— **Uncieburia quadrilineata* Burmeister, 1865.

Material examined: Mendoza: Departamento Lavalle, 20 km NE Telteca, 6-XII-1997, Flores G. leg., 1 ex. (IADIZA); Nacuñán, I-1976, Roig S. leg., 1 ex. (ODI).

— **Eburodacrys crassimana* (Gounelle, 1909).

Material examined: Mendoza: Nacuñán, I-1976, Roig S. leg., 1 ex. (ODI).

Clytini Mulsant, 1839

— *Megacyllene acuta* (Germar, 1821).

Mendoza (Bruch, 1912; Bosq, 1934, 1943; Viana, 1972; Di Iorio, 1995b [according to Bosq, 1943]: Río Luján (Di Iorio, 1995b).



Figure 6. *Phoracantha recurva* ♂, 17 mm.

- *Megacyllene multiguttata* (Burmeister, 1865).
- *Clytus* (Burmeister, 1861).
- *Megacyllene proxima* (non Laporte and Gory, 1836): Bruch, 1912; Viana, 1972; Viana and Williner, 1974.

Mendoza (Burmeister, 1861; Burmeister, 1865 [syntypical site]; Reed, 1909: fig. 14(16), 1912: fig. 14(16); Bruch, 1912; Viana, 1972; Di Iorio, 1995b [lectotype]): La Dormida (Viana and Williner, 1974).

Material examined: Mendoza, 1 ex. Lectotypus (BURM), «Mendoza» [printed in black on green paper], «540» [printed in black on white paper], «*Megacyllene* / (*Megacyllene*) / *multiguttata* / (Burmeister, 1865) / Lectotypus / Di Iorio desig. 1994» [handwritten by Di Iorio on red paper]; 1 ex. Paralectotypus (BURM), «Mendoza» [printed in black on green paper], «*Megacyllene* / (*Megacyllene*) / *multiguttata* / (Burmeister, 1865) / Paralectotypus / Di Iorio desig. 1994» [handwritten by Di Iorio on red paper]; both specimens, «*Clytus* / *multiguttatus* / Burmeister 1865 / Typus» [handwritten by A. Bachmann on red paper].

- *Megacyllene nebulosa* (Laporte and Gory, 1836) (Fig. 7).

— *Megacyllene spinifera* (Newman, 1941): Bruch, 1912; Bosq, 1934, 1943; Viana and Williner, 1974; Di Iorio, 1995a, 1997 [sinonimia].

Mendoza (Reed, 1909: fig 14(3, 6), 1912: 42, fig. 12 (3, 5 as *Clytus multiguttatus*, 6 as *Cyllene* sp.);



Figure 7. *Megacyllene nebulosa* ♀, 12 mm.

Bruch, 1912; Bosq, 1934, 1943; Viana and Williner, 1974; Di Iorio, 1995a).

Material examined: Mendoza: San Carlos, Guayquería, «10089», 2 exx. (MACN); Cacheuta, «7846», 2 exx. (MACN); Chacras de Coria, 1906, Joergensen leg., 2 exx. (ODI); Dorrego, 10-X-1979, Roig S. leg., 1 ex. (IADIZA); Departamento Laval, Telteca, 5-XII-1997, Flores G. leg., 1 ex. (IADIZA), 6-XII-1997, Flores G. leg., 1 ex. (IADIZA), Esteban-Durán J.E. leg., 28-II-2000, 1 ex. (JED), 3-III-2000, 3 exx. (JED), mercury vapour lamp trap; Riquelme A.H. leg., 24-I-2001, 2 exx. (JED), mercury vapour lamp trap; Ciudad Capital, III-1975, 1 ex. (IADIZA); La Consulta, II-1974, Roig S. leg., 1 ex. (IADIZA); Nacuñán, 28-VIII-1981, Clavier S. leg., 1 ex. (IADIZA), 10-X-1996, Debandi G. leg., 1 ex. (IADIZA), 25-X-1996, Debandi G. leg., 1 ex. (IADIZA).

- *Neoclytus ypsilon* Chevrolat, 1862.

— *Neoclytus famelicus* (Burmeister, 1865): Macola *et al.*, 1986; Macola and Garcia Saez, 1991; Di Iorio, 1995b, 1997 [sinonimia].

Mendoza (Di Iorio, 1995b): Capital city (Macola *et al.*, 1986; Macola and Garcia Saez, 1991).

Material examined: Papagallos, 19-IX-1975, Roig A. leg., 1 ex. (IADIZA); San Martín, I-1994, Diez de los Ríos leg., 1 ex. (ODI); Departamento Guaymallén, Barrio Santa Ana, 27-II-1984, 2 exx. (IADIZA); Ciudad Capital, 8-I-1980, 1 ex. (IADIZA), 18-I-1996, Rossi and Villagra leg., 2 exx. (IADIZA); Godoy Cruz, 6-II-1995, de Rosa leg., 1 ex. (IADIZA), 28-IX-1996, 5 exx. (IADIZA).

Rhopalophorini Blanchard, 1845

- *Dirocoremia bruchi* (Gounelle, 1905).

Mendoza (Bruch, 1912; Zajciw, 1959 [according to exx. in coll. Bruch]; Marques and Napp, 1996 [following Bruch, 1912, and Zajciw, 1959]).

Material examined: Mendoza: Costa de Araujo, 25-XI-1981, 1 ex. (IADIZA); Palmira, XII-1976, Roig A. leg., 3 exx. (IADIZA); Departamento Laval, Telteca, 18/25-X-1997, Roig S. leg., 2 exx. (IADIZA); Departamento Santa Rosa, Nacuñán, 6-XI-1996, Debandi leg., 1 ex. (IADIZA).

Pteroplatini Thomson, 1860

- *Aphylax lyciformis* (Germar, 1824).

Mendoza (Bruch, 1912; Viana, 1972).

- *Pteroplatus adustus* (Burmeister, 1865).

Mendoza (Bruch, 1912).

Compsocerini Thomson, 1864

— *Ethemon basale* (Burmeister, 1865).

Mendoza (Reed, 1912: 42; Bruch, 1908, 1912):
Mendoza [city?] (Napp, 1979).

Ibidionini Thomson, 1860

— *Heterachthes plagiatus* (Burmeister, 1865).

Mendoza (Burmeister, 1865 [type-site]; Bruch, 1912; Bosq, 1943; Martins, 1971).

Material examined: Mendoza, 1 ex. Holotypus (BURM), «Mendoza» [printed in black on pale green paper], «532» [printed in black on white paper], «*Ibidion / plagiatus* / Burmeister 1865 / Typus» [handwritten by A. Bachmann on red paper].

— *Heterachthes tenellus* (Burmeister, 1865).

— *Heterachthes plagiatus* (non Burmeister, 1865):
Bosq, 1943 [identification error].

Mendoza (Burmeister, 1865 [type-site]; Bruch, 1912; Bosq, 1943; Martins, 1971).

Material examined: Mendoza, 1 ex. Holotypus (BURM), «Mendoza» [printed in black on pale green paper], «*Ibidion / tenellum* / Burmeister 1865 / Syntypus ?» [handwritten by A. Bachmann on red paper]; Capital City, 20-VIII-1999 (larvae), Di Iorio leg., 10 exx. (ODI).

Cleomenini Lacordaire, 1869

— *Dihammaphora bruchi* Aurivillius, 1922.

— *Dihammaphora parana* (*non* Gemminger, 1873):
Bruch, 1912 [identification error].

Mendoza (Bruch, 1912).

Cerambycini Latreille, 1802

— *Ischionorox antiqua* Aurivillius, 1922.

Mendoza [type-site] (Aurivillius, 1922).

Material examined: Mendoza, 1 ex. Holotypus ? (CB), «C.S. Reed / Mendoza» [printed on white paper], «Typus» [printed on pale green paper], «*Ischionorox / antiqua* / Auriv.» [handwritten by Bruch on white paper in a red frame].

Lissonotini Thomson, 1860

— *Lissonotus andalgalensis* Bruch, 1908.

Mendoza (Reed, 1912: 42; Bosq, 1943; Viana, 1972; Di Iorio, 1999).

Material examined: Mendoza, C.S. Reed leg., 1 ex. (MACN); no site provided, Reboledo leg., III-1928,

1 ex. (ODI), I-1929, 1 ex. (ODI); Chacras de Coria, 1906, Joergensen leg., 1 ex. (ODI); Ciudad Capital, II-1975, 1 ex. (IADIZA).

Trachyderini Dupont, 1838

— *Andraegoidus cruentatus* (Dupont, 1838).

Mendoza: Chacras de Coria (Viana and Williner, 1974).

— **Chydarteres costatus* (Aurivillius, 1908).

ME: Mendoza: Departamento San Rafael, 21 km S of Punta del Agua, 15-XII-1998, G. Flores and S. Roig leg., 7 exx. (IADIZA).

— *Dorcacerus barbatus* (Olivier, 1790).

Mendoza (Reed, 1912; Bosq, 1943; Viana, 1972).

— *Eriocharis lanaris* (Blanchard, 1843)

«trachyderiden»: Burmeister, 1861.

— *Xylocharis flavocomus* Fairmaire, 1864.

— *Trachyderes aurulentus* Burmeister, 1865.

Mendoza (Burmeister, 1861, 1865 [type-site, 1 ex. That could not be preserved], 1879; Bruch, 1912; Cordo and De Loach, 1992): «Aux environs de Mendoza» (Fairmaire, 1864); Tupungato [La Carrera] (Hudepohl, 1985).

Material examined: Mendoza, no site provided, 1 ex. (ODI); Cacheuta, «7846», 1 ex. (MACN), 1 ex. (ODI); Uspallata, «7602», 6 exx. (MACN), 1 ex. (ODI); Puesto La Obligación, I-1971, Roig A. leg., 1 ex. (IADIZA); Paso del Portillo, El Quincho, II-1976, Roig F. leg., 4 exx. (IADIZA); Potrerillos, 20-III-1979, Ara leg., 1 ex. (IADIZA); San Isidro, III-1974, Roig A. leg., 1 ex. (IADIZA); La Aguadita, II-1978, Roig A. leg., 1 ex. (IADIZA); Cacheuta, 12-IV-1937, 3 exx. (MLP); entrance to the Hotel Villavicencio (Ruta 7), 1 ex. (ODI).

— *Eriocharis richardi* (Dupont, 1838) (Fig. 8).

— *Xylocharis haematicus* Fairmaire, 1864.

Mendoza (Burmeister, 1879; Bruch, 1912): «Aux environs de Mendoza» (Fairmaire, 1864); Desaguadero (Viana and Williner, 1974).

Material examined: Mendoza, no site provided, Reboledo leg., 2 exx. (ODI); Tunuyán, II-1966, Roig A. leg., 1 ex. (IADIZA); Telteca, Esteban-Durán J.R. leg., 5-V-1999, 1 ex. (JED).

— *Parozodera farinosa* (Burmeister, 1865).

Mendoza: Western Pampa, between San Luis and Mendoza (Burmeister, 1865; Bruch, 1912).



Figure 8. *Eriocharis richardii* ♂, 13 mm.

Material examined: Mendoza, 1 ex. Holotypus (BURM), «Pampa / occid.» [printed in black on green paper], «501» [printed in black on white paper], «Photo / Bruch» [handwritten by Bruch on pink paper], «Typus» [printed in black on red paper], «*Ozodera* / *farinosa* / Burmeister 1865 / Typus» [handwritten by A. Bachmann on red paper]; C. S. Reed leg., 1 ex. (CB), C. Bruch, 1 ex. (CB).

— *Retrachydes sulcatus* (Burmeister, 1865) (Fig. 9).
Mendoza (Reed, 1912: 42; Bosq, 1934, 1943; Hudepohl, 1985).

Material examined: Mendoza, 1 ex. (MACN); XI-1946, Moyano leg., 1 ex. (IML); Departamento Guaymallén, Colonia Segovia, 21-IV-1984, 1 ex. (IADIZA); Dorrego, 1 ex. (IADIZA); Departamento Maipú, Perdriel, Debandi G. leg., 1 ex. (IADIZA); El Borbollón, Roig S. leg., 1 ex. (IADIZA); Departamento Guaymallén, Corralitos, 9-IV-1998, Suarez G. leg., 4 exx. (IADIZA); Telteca Reserve, Esteban-Durán J.R. leg., 5-V-1999, 1 ex. (JED).

— *Retrachydes thoracicus* (Olivier, 1790).

— *Trachyderes morio* [non F., 1787]: Bruch, 1912 [identification error].

Mendoza (Bruch, 1912; Bosq, 1934, 1943).

Basipterini (Fragoso, Monné and Seabra, 1987)

— *Basiptera castaneipennis* Thomson, 1864.

— *Anosternus sanguinolentus* Burmeister, 1865; Bruch, 1912.

Mendoza (Bruch, 1912; Viana, 1972).

Torneutini (Thomson, 1860)

— **Dragomiris quadricornutus* Gounelle, 1913 (Fig. 10).

— *Dragomiris subandinus* (Bosq, 1953): Di Iorio, 2002 [distribution, sinonimia].

Material examined: Telteca Reserve, 28-III-2002, Riquelme H. leg., 1 female (ODI), mercury vapour lamp trap.



Figure 9. *Retrachydes sulcatus* ♂, 24 mm.



Figure 10. *Dragomiris quadricornutus* ♀, 35 mm.



Figure 11. *Psygmatocerus pubescens* ♀, 29 mm.

— **Macellidiopygus debilis* Gounelle, 1913.

Material examined: Mendoza, Tunuyán, 29-II-1940, Birabén M. leg., 1 ex. (MLP), «*Macellidiopygus / debilis* / Goun. [handwritten by Bruch] / C. Bruch determ. [printed on white paper with a black border]».

— **Psygmatorcerus pubescens* Bruch, 1926 (Fig. 11).

Material examined: Mendoza: Telteca Reserve, 3-III-2000, Esteban-Durán J.R. leg., 1 female (ODI), mercury vapour lamp trap.

— *Ranqueles mus* Gounelle, 1906 (Fig. 12).

Mendoza (Gounelle, 1906 [type-site]; Bruch, 1912; Bosq, 1947; Di Iorio, 1996c).

Material examined: Mendoza: 1 ex. Holotypus (CB), «Rep. Argentina / Pr. Mendoza / 190 / C. Bruch» [printed in black on white paper], «Typus» [printed in black on green paper], «*Ranqueles / mus* / Goun. tipo» [handwritten by Bruch on white paper with a red border]; Departamento Lavalle, 20 km NE Telteca, 6-XII-1997, Flores G. leg., 1 ex. (IADIZA); Telteca, 5-III-2000, Esteban-Durán J.R. leg., 1 ex. (JED), mercury vapour lamp trap; Departamento San Rafael, Huarpes, 2-II-1979, Roig S. leg., 2 exx. (IADIZA), 1 ex. (ODI); Departamento San Rafael, Guadales, 1-II-1979, Roig S. leg., 1 ex. (IADIZA); Chacras de Coria, III-1977, Roig S. leg., 1 ex. (IADIZA).

— **Spatopygus eburioides* (Blanchard, 1843).

Material examined: Mendoza, San Rafael, 51 km SO of Soitué, 31-I-1979, Roig S. leg., 1 ex. (IADIZA).

— *Torneutes pallidipennis* Reich, 1837 (Fig. 13).

Mendoza (Bosq, 1943; Viana, 1972).

Material examined: Mendoza, Telteca Reserve, 5-III-2000, Esteban-Durán J.R. leg., 1 female (JED), mercury vapour lamp trap; Telteca Reserve, 24-I-2001, Riquelme A.H. leg., 1 female (JED), mercury vapour lamp trap.

Subfamily **LAMIINAE** (Latreille, 1825)

Onciderini Thomson, 1860

— **Oncideres germari* Thomson, 1868 (Fig. 14).

Material examined: Mendoza, Departamento Santa Rosa, Ñacuñán, 20-IV-1998, Roig S. leg., 1 ex. (IADIZA); Telteca Reserve, 5-V-1999, Esteban-Durán J.R. leg., 3 exx. (JED), 1-IV-2000, 3 exx. (JED), 5-III-2000, 3 exx. (JED), mercury vapour lamp trap.

— **Oncideres guttulata* Thomson, 1868 (Fig. 15).

Material examined: Mendoza, Departamento Santa Rosa, Ñacuñán, Debandi leg., 1 ex. (IADIZA); Telteca Reserve, 3-III-2000, Esteban-Durán J.R. leg., 1 ex. (JED), mercury vapour lamp trap.

Hemilophini Thomson, 1868

— *Adesmus nigromaculatus* (Klug, 1829).

Mendoza (Bruch, 1912; Viana, 1972).

Aerenicini Lacordaire, 1872

— *Apagomerella versicolor* (Boheman, 1853).



Figure 12. *Ranqueles mus* ♀, 36 mm.



Figure 13. *Torneutes pallidipennis* ♀, 36 mm.



Figure 14. *Oncideres germarii* ♂, 22 mm.

— «*Saperda (Phytoecia)*» Burmeister, 1861.

Mendoza (Burmeister, 1861; Bruch, 1912; Bosq, 1943; Viana, 1972): 21 km General Alvear, General Alvear, Canalejas, Isla Diamante, Pareritas, San Rafael, near San Rafael, Zanjón de los Inquilinos (Di Iorio *et al.*, 1998).

Composomatini Thomson, 1857

— *Aerenea quadriplagiata* (Boheman, 1859).

Mendoza (Bruch, 1912; Bosq, 1943; Viana, 1972).

Acanthoderini Thomson, 1860

— *Acanthoderes jaspidea* (Germar, 1824).

— *Acanthoderes congener* Burmeister, 1865: Reed, 1912: fig. 12(11).

— *Acanthoderes* sp. Reed, 1912: fig. 12(7, 13).

— *Acanthoderes jaspideus* var. *congener* Bosq, 1934 (Fig. 16).

Mendoza (Burmeister, 1861, 1865 [syntypical site]; Reed, 1909: fig. 14(7, 11, 13), 1912: fig. 12(7, 11, 13); Bruch, 1912; Bosq, 1934, 1943; Viana, 1972).

Material examined: Mendoza, 1 ex. *Syntypus* (BURM), «Mendoza» [printed in black on green paper], «*Acanthoderes / congener / Burmeister 1865 / Syntypus*» [handwritten by A. Bachmann on red paper]; Capital City, 20-VIII-1999 (larvae), Di Iorio leg., 2 exx. (ODI).

Pteropliini (Thomson, 1860)

— *Ataxia luteifrons* (Bruch, 1926) (Fig. 17).

Mendoza (Bruch, 1926 [syntypical site]; Viana, 1972).

Material examined: Mendoza, 1 ex. *Paratypus* (CB), «Rep. Argentina / Prov. Mendoza / 190 / C. Bruch» [printed in black on white paper], «*Cotypus*» [printed in black on pale green paper], «*Parepectasis / luteifrons / Bruch 1926 / Syntypus*» [handwritten by A. Bachmann on red paper]; Departamento Lavalle, Telteca, 5-XII-1997, Flores G., 1 ex. (IADIZA); Telteca Reserve, Esteban-Durán J.R. leg., 3-III-2000, 3 exx. (JED), 1-IV-2000, 2 exx. (JED), mercury vapour lamp trap; Telteca Reserve, 25-II-2001, leg., Riquelme H., 1 ex. (JED), mercury vapour lamp trap.

Apomecynini Thomson, 1860

— *Bisaltes (Bisaltes) adustus* (Burmeister, 1865).

Mendoza (Bruch, 1912).

— *Bisaltes (Bisaltes) bimaculatus* Aurivillius, 1904 Mendoza (Bruch, 1912; Bosq, 1943).

— *Bisaltes spegazzini* Bruch, 1911.

Mendoza (Bruch, 1911 [syntypical site], 1912; Di Iorio, 1995c).

Note: *Syntypus* from Mendoza not found in the Bruch collection (MACN).

Calliini Thomson, 1864

— *Hastatis femoralis* Burmeister, 1865.



Figure 15. *Oncideres guttulata* ♂, 12 mm.



Figure 16. *Acanthoderes jaspideus* ♀, 12 mm.



Figure 17. *Ataxia luteifrons* ♂, 11 mm.

Mendoza (Burmeister, 1865 [type-site]; Bruch, 1912).

Material examined: Mendoza, 1 ex. *Holotypus* (BURM), «Mendoza» [printed in black on green paper], «552» [printed in black on white paper], «*Hastatis / femoralis* / Burmeister 1865 / Typus» [handwritten by A. Bachmann on red paper].

Discussion

Some of the Cerambycidae species historically cited for the Province of Mendoza (Argentina) have never again been recorded, even though recent collections exist (IADIZA). Such is the case of *Eurymenus eburioides*, *Compsocerus violaceus*, *Chydarteres striatus*, *Retrachydes thoracicus*, *Praxithea derourei*, *Neodillonia albisparsa* and *Adesmus nigromaculatus*. These species are mainly distributed in eastern Argentina, especially in the Province of Buenos Aires (Di Iorio, 1996b; Di Iorio and Zelich, 1997; Di Iorio et al., 1998). *Compsocerus violaceus*, *Chydarteres striatus* and *Retrachydes thoracicus* develop on dead plants, usually exotic species, including fruit trees (Reed, 1912; Bosq, 1943; Di Iorio, 1996b, 2002), while *Praxithea derourei* develops inside living plants (Di Iorio, 1998). These species were probably introduced from other areas during transport of the host plants, from which they later emerged as adults. However, they were unable to establish themselves given the particular climatic and environmental conditions of Mendoza.

Errors in the labelling of some species should not be ruled out. *Mysteria lacordairei* is found in Paraguay, Uruguay (Montevideo, type-site) and Argentina (at Santa Fe [La Gallareta, Rosario] and Entre Rios [Dias, 1988]). The Mendoza entry examined by Dias (1988) is almost certainly due to a labelling error since several species of **Anoplodermatinae** have been confused with one another.

Continuity in the geographical distribution of Cerambycidae host plants between the Chaqueña and Del Monte Provinces is probably the reason for the similarity in the species these areas harbour. The presence in Mendoza of several species belonging to this family - though more widely distributed in Chaqueña - is also probably owed to similarities in plant distribution.

In conclusion, the following revisions should be made:

The following should be excluded from the Cerambycidae fauna of Mendoza Province:

Subfamilia **Anoplodermatinae** Guérin-Ménéville, 1840

Mysteriini Prosen, 1960

— *Mysteria lacordairei* (Lameere, 1912).
Mendoza (Dias, 1988).

Subfamilia **Cerambycinae** Latreille, 1802

Ectenessini Martins and Galileo, 1998

— *Eurymerus eburioides* Audinet-Serville, 1833.
Mendoza (Bruch, 1912; Bosq, 1934, 1943; Viana, 1972).

Compsocerini Thomson, 1864

— *Compsocerus violaceus* (White, 1853).
— *Compsocerus aulicus* (Thomson, 1860: Bruch, 1908, 1912).
— *Compsocerus equestris* Bosq, 1943; Viana, 1972 [non Guérin-Maneville, 1844].
Mendoza (Bruch, 1908, 1912; Bosq, 1943; Viana, 1972).

Trachyderini Dupont, 1864

— *Chydarteres striatus* (F., 1787).
Mendoza (Reed, 1912:42; Bosq, 1943; Viana, 1972).
— *Retrachydes thoracicus* (Olivier, 1790).
— *Trachyderes morio* [non F., 1787]: Bruch, 1912 [identification error].
Mendoza (Bruch, 1912; Bosq, 1934, 1943).

Torneutini Thomson, 1860

— *Praxithea derourei* (Chabrillac, 1857).
— *Praxithea collare* (Burmeister, 1865): Bruch, 1912.
— *Elaphidion collare* (Burmeister, 1865): Bosq, 1934.
Mendoza (Bruch, 1912; Bosq, 1934, 1943; Viana, 1972).

Subfamilia **LAMIINAE** (Latreille, 1825)

Onciderini Thomson, 1860

— *Neodillonia albisparsa* (Germar, 1824).
Mendoza (Bruch, 1912): Bosq, 1943; Viana, 1972.

Distribution of insects and host plants

The species of **Cerambycidae** in Mendoza Province can be grouped according to the known host plants on which their larvae develop:

1. Species associated with live plants of the family **Asteraceae**: *Calocomus morosus*, *Megacyllene multiguttata*, *Adesmus nigromaculatus*, *Apagomerella versicolor* (Di Iorio et al., 1998).

2. Species associated with **Celtis tala**: *Achryson lutarium* (Di Iorio, 1996b), *Dihammaphora bruchi* (Di Iorio, 1996b), *Megacyllene acuta* (Di Iorio, 1996b, 1996c).

3. Species associated with **Cercidium praecox**: *Achryson surinamum* (Di Iorio, 1994a, 1996b, 2003; Gonzalez and Di Iorio, 1996).

4. Species associated with **Geoffroea decorticans**: *Ambonus interrogationis* (Di Iorio, 1996b), *Stizocera spinicornis* (Di Iorio, unpublished), *Aphylax lyciformis* (Di Iorio, 1994a, 1996b; Gonzalez and Di Iorio, 1996; Di Iorio and Zelich, 1997), *Basiptera castaneipennis* (Di Iorio, 1996b).

5. Species associated with **Prosopis ssp.**: *Ambonus albomaculatus* (Di Iorio, personal obs.), *Eburia quadrilineata* (Di Iorio, 1994b, 1996a, in prep.), *Eburadacrys crassimana* (Di Iorio, 1996a, b), *Megacyllene nebulosa* (Di Iorio, 1996a, 2003), *Dirocoremia bruchi* (Di Iorio, 2003), *Ranqueles mus* [live plants] (Bosq, 1947), *Torneutes pallidipennis* [live plants] (Di Iorio, 1996c), *Retrachydes sulcatus* (Di Iorio, 1994a, b, 1996a, b), *Oncideres germari* (Di Iorio, 1994a, b, 1996a, b; Gonzalez and Di Iorio, 1996), *Oncideres guttulata* (Di Iorio, 1996b). Species associated to **Salicaceae**: *Mallodon spinibarbis* (Bosq, 1943; Macola and Garcia Saez, 1987; Di Iorio, 1996b, 1996c), *Acanthoderes jaspidea* (Bosq, 1943).

6. Species associated with **Solanaceae** [living plants]: *Bisaltes bimaculatus*, *Bisaltes spegazzini* (Di Iorio, 1995c, 2003).

7. Species associated with **Verbenaceae** [living plants]: *Calocomus desmaresti* (Di Iorio et al., 1998)

8. Species associated with exotic plants in urban and semi-urban environments: *Mallodon spinibarbis* (Reed, 1912; Di Iorio 1996c, 2002; Di Iorio and Gonzalez, 1995), *Phoracantha recurva* (Di Iorio, 2003), *Neoclytus ypsilon* (Macola and Garcia Saez, 1986, 1991), *Heterachthes tenellus* (Di Iorio, pers. obs.), *Acanthoderes jaspidea* (Di Iorio, 1996c).

Acknowledgements

The authors wish to thank the *Subdirección General de Cooperación Internacional del Ministerio de Educación, Cultura y Deporte* of Spain, which, via the

Programa de Cooperación con Iberoamérica, financed the project: «*Desarrollo de tecnologías de disrupción feromonal para el control biológico de Grapholita molesta* Busck. en frutales de carozo e investigaciones básicas sobre Cerambycidae xilófagos de Argentina como enemigos potenciales de especies forestales autóctonas» the undertaking of which made this work to possible.

References

- AURIVILLIUS C., 1922. Neue oder wenig bekannte Coleoptera Longicorna. 18. Ark Zool, Uppsala 14 (18), 405-436.
- BERG C., 1889. Quadraginta Coleoptera Nova Argentinae. Anls. Univ. Buenos Aires, pp. 107-156.
- BLEUZEN P., 1994. Prioninae. In: Les Coleopteres du Monde. Sciences Nat. (Eds.). Venette, France, 21, 1-92.
- BOSQ J.M., 1934. Primera lista de los coleopteros de la República Argentina dañinos a la agricultura. Bol Min Agric Nacion 36 (4), 313-346.
- BOSQ J.M., 1943. Segunda lista de coleopteros de la República Argentina dañinos a la agricultura. Min Agric Nacion, Dir San Veg, Div Zool Agric, 80 pp.
- BOSQ J.M., 1947. Interesantes longicornios de Catamarca (Col. Cerambycidae). Revta Soc Entomol Arg 13, 292-300, 2 pl.
- BOSQ J.M., 1952. Descripción de una nueva especie del género *Centrocerum* Chev., 1861 (Col., Cerambycidae). Acta Zool Lilloana 10, 95-97.
- BOSQ J.M., 1953. Descripción de un género y especie nuevos de Torneutini (Col. Cerambycinae). Revta Soc Entomol Arg 16, 31-33.
- BRUCH C., 1908. Longicornios argentinos nuevos o poco conocidos. Revta Mus La Plata 15, 198-220.
- BRUCH C., 1911. Longicornios argentinos nuevos o poco conocidos. Revta Mus La Plata 18, 164-178.
- BRUCH C., 1912. Catálogo sistemático de los coleopteros de la República Argentina. Pars VIII. Familia Cerambycidae (Prionini, Cerambycini, Lamiini). Revta Mus La Plata, Zool 18, 19-226.
- BRUCH C., 1915. Suplemento al catálogo sistemático de los coleopteros de la República Argentina. I (Addenda, corrigenda y resumen). Revta Mus La Plata, Zool 19, 538-573.
- BRUCH C., 1916. Misceláneas coleopterológicas. Physis, Buenos Aires 2, 14.
- BRUCH C., 1918a. Descripción de nuevos cerambícidos argentinos. Physis, Buenos Aires, Comunicaciones 4, 355.
- BRUCH C., 1918b. Cerambícidos nuevos o poco conocidos. Revta Mus La Plata 24 (2), 7-29.
- BRUCH C., 1921. Algunos interesantes cerambícidos. Revta Mus La Plata 25, 345-356.
- BRUCH C., 1926. Cerambícidos nuevos o poco conocidos. Physis, Buenos Aires 8, 338-348.

- BURMEISTER H.C.K., 1861. Reise durch die La Plata Staaten 1857-1860. Halle, Vol. I, vi + 503 p., Vol. II, iv + 538 p.
- BURMEISTER H.C.K., 1865. *Longicornia argentina*. Stettiner Ent Zeitung 26, 156-181.
- BURMEISTER H.C.K., 1879. Nachtrage Zundem Aufsatz Longicornia Argentina Zeitung 1865. Stettiner Ent. Zeitung 40, 196-203.
- CORDO H.A., DE LOACH C.J., 1992. Occurrence of snarkweeds (*Gutierrezia*: Compositae) and their natural enemies in Argentina: implications for biological control in the United States. *Biol Control* 2, 143-158.
- CORDO H.A., DE LOACH C.J., 1993. Phytophagous insects that attack *Larrea* spp. (Zygophyllaceae) in Argentina and their potential for biocontrol of creosotebush (*L. tridentata*) in North America. *Biol Control* 3, 6-16.
- CORDO H.A., DE LOACH C.J., 1995. Natural enemies of the rangeland weed whitebrush (*Aloysia gratissima*: Verbenaceae) in South America: potential for biological control in United States. *Biol Control* 3, 6-16.
- DIAS M.M., 1986. Revisão da subfamilia Anoplodermatinae. Parte II. Tribo Anoplodermatini. Géneros: *Acanthomigdolus* Bruch, 1941, *Paramigdolus* gen. n., *Anoploderma* Guérin-Ménéville, 1840, *Sypilus* Guérin-Ménéville, 1840 (Coleoptera, Cerambycidae). *Revta Bras Ent* 30 (1), 115-139.
- DIAS M.M., 1988. Revisão da subfamilia Anoplodermatinae. Parte IV. Tribo Mysteriini. Generos: *Mysteria* Thomson, 1860, *Pathocerus* Waterhouse, 1901, *Pseudopathocerus* gen. n. (Coleoptera, Cerambycidae). *Revta Bras Ent* 32 (2), 139-160.
- DI IORIO O.R., 1994a. Cerambycidae (Coleoptera) y plantas hospedadoras del noreste de Argentina. *Revta Bras Ent* 38 (1), 15-22.
- DI IORIO O.R., 1994b. Cerambycidae y otros Coleoptera emergidos de ramas cortadas por *Oncideres germari* Thomson (Lamiinae: Onciderini) en el norte argentino. *Revta Biol Trop* 42 (3), 651-663.
- DI IORIO O.R. 1995a. The Argentine species of the genus *Megacyllene casey*, 1912 (Coleoptera: Cerambycidae), with the description of a new species. *Insecta Mundi* 9, 317-325.
- DI IORIO O.R., 1995b. The genus *Neoclytus* Thomson, 1860 (Coleoptera: Cerambycidae) in Argentina. *Insecta Mundi* 9, 335-345.
- DI IORIO O.R., 1995c. *Bisaltus spegazzini* Bruch, 1911 y *Bisaltus bimaculatus* Aurivillius, 1904 (Coleoptera, Cerambycidae, Lamiinae, Apomecynini) barrenadoras de Solanaceae en Argentina. *Revta Bras Ent* 39 (4), 855-858.
- DI IORIO O.R. 1996a. Cerambycidae y otros Coleoptera de Leguminosae cortadas por *Oncideres germari* (Lamiinae: Onciderini) en Argentina. *Revta Biol Trop* 44 (2), 533-546.
- DI IORIO O.R., 1996b. Plantas hospedadoras y biogeografía de Cerambycidae (Coleoptera) del noroeste y centro de la Argentina. *Revta Biol Trop* 44 (3), 149-158.
- DI IORIO O.R., 1996c. Plantas hospedadoras de Cerambycidae (Coleoptera) en el Espinal periestépico y en la provincia de Buenos Aires, Argentina. *Revta Biol Trop* 44 (3), 159-165.
- DI IORIO O.R., 1996d. Biology of *Psolidognathus germaini durnfordi* (Burmeister, 1879) (Coleoptera: Cerambycidae: Prioninae) in Patagonia, Argentina. *G It Ent* 8, 87-94.
- DI IORIO O.R., 1997a. Neotropical species of the genus *Megacyllene* (s. str.) Casey, 1912 (Coleoptera: Cerambycidae: Cerambycinae: Clytini), with descriptions of two new species from Argentina. *G It Ent* 8, 383-398.
- DI IORIO O.R., 1998. Torneutini (Coleoptera: Cerambycidae) of Argentina. Part 2. Biology of *Coccoderus novempunctatus* (Germar, 1824), *Diploschema rotundicolle* (Serville, 1834) and *Praxithea derourei* (Chabrillac, 1857). *G It Ent* 9, 3-25.
- DI IORIO O.R., 2002. Nomenclatural notes in American Cerambycidae (Coleoptera). *G It Ent* 10, 73-76.
- DI IORIO O.R., 2003. Host plants of Cerambycidae (Coleoptera) from Argentina. Addenda, remarks and corrections. *G It Ent* (in press).
- DI IORIO O.R., CORDO H.A., LOGARZO G.A., GANDOLFO D.E., 1998. Cerambycidae (Coleoptera) root and stem borers in living plants from Argentina: a bibliographical review and new host plant records. *G It Ent* 9, 73-95.
- DI IORIO O.R., GONZÁLEZ, O.E., 1995. Ecología de *Oncideres germari* Thomson (Coleoptera: Cerambycidae) en la provincia de Chaco, Argentina. *Anales V Jornadas Pampeanas de Ciencias Naturales. La Pampa, Santa Rosa* 1, 50-55.
- DI IORIO O.R., ZELICH M., 1997. Cerambycidae (Coleoptera) from Entre Ríos, Argentina. Part I. Host plants and distributions (with a revision of host plants for Uruguay). *G It Ent* 8, 275-289.
- DOHRN C.A., 1882. Exotisches. *Stett. Ent. Zeit.* 43, 245-259, 363-374, 457-470.
- FAIRMAIRE L., 1864. Notes sur quelques coleopteres recuillis par M. Ph. Germain a Mendoza, dans les Cordillères. *Ann Soc Ent France (4e Serie)* 4, 261-274.
- GALILEO M.H.M., MARTINS U.R., 1994. Revisao da tribo Calocomini (Coleoptera, Cerambycidae, Prioninae). *Revta Bras Ent* 38 (2), 489-505.
- GONZÁLEZ O.E., DI IORIO O.R., 1996. Plantas hospedadoras de Cerambycidae (Coleoptera) del noreste de Argentina. *Revta Biol Trop* 44 (3), 167-175.
- HUDEPOHL K.E., 1985. Revision der Trachyderini (Coleoptera: Cerambycidae). *Ent Arb Mus Frey* 33-34, 1-167.
- LAMEERE A., 1912. Revision des Prionides. Vingt-deuxième mémoire. Addenda et corrigenda. *Mem Soc Ent Belgique* 21, 113-127.
- MACOLA G.S., GARCÍA SÁEZ J.G., 1986. Presencia de *Neoclytus famelicus* Burm. (Col., Cerambycidae) en ataques aislados sobre forestales y frutales de Mendoza. *Intersectum* 18, 1-7.
- MACOLA G.S., GARCÍA SÁEZ J.G., 1987. Principales especies animales que ocasionan daños en salicáceas, con especial referencia a la provincia de Mendoza. *Intersectum* 19, 1-17.
- MACOLA G.S., GARCÍA SÁEZ J.G., 1991. Datos bioecológicos y daños del taladro *Neoclytus famelicus* Burm. (Insecta, Coleoptera, Cerambycidae), p. 228. *Resúmenes II Congreso Argentino de Entomología. Cordoba, La Cumbre*, 3-6 Diciembre. 262 pp.

- MACOLA G.S., GARCÍA SÁEZ J.G., LANATI S., TORRE R., 1986. Presencia de un taladro que causa daños en forestales y frutales. Diario Los Andes, Mendoza, Argentina, 31 de agosto.
- MARQUES M.I., NAPP D.S., 1996. Revisao e transferencia para Rhopalophorini (Coleoptera, Cerambycidae, Cerambycinae) dos géneros *Coremia* A.-Serville, 1834 e *Merocoremia* Marques, 1994. *Revta Bras Ent* 40 (3-4), 379-423.
- MARTINS U.R., 1971. Monografia da tribo Ibidionini (Coleoptera, Cerambycidae). Parte IV. Distribucao geografica. *Arq Zool, Sao Paulo* 16 (6), 1343-1508.
- MARTINS U.R., 1976. Sistematica e evolucao da tribo Piezocerini (Coleoptera, Cerambycidae). *Arq Zool São Paulo* 27 (3-4), 165-370.
- MARTINS U.R., MONNÉ M.A., 1998. Tribo Holopterini, p. 31-66. In: *Cerambycidae sul-americanos* (Coleoptera). Taxonomia Vol. 2: Subfamília Cerambycinae, Phlyctaenodini Lacordaire, 1869, Holopterini Lacordaire, 1869, Uracanthini Lacordaire, 1869, Pleiarthrocerini Lane, 1950, Ectenessini, trib. n. (Martins U.R., ed.). Sociedade Brasileira de Entomologia, Sao Paulo, Brazil, 195 pp.
- MONNÉ M.A., 1972. Revisión parcial del género *Achryson* Serville 1833 (Coleoptera, Cerambycidae, Achrysonini). *Revta Peruana Ent* 15 (1), 103-112.
- MONNÉ M.A., GIESBERT E.F., 1995. Checklist of the Cerambycidae and Disteniidae (Coleoptera) of the Western Hemisphere. Wolfsgarden Books. Burbank, California, xiv + 420 pp.
- NAPP D.S., 1979. Revisao do género *Ethemon* Thomson, 1864 (Coleoptera, Cerambycidae). *Revta Bras Biol* 39 (4), 901-917.
- PROSENA F., 1959. Notas sobre la familia Anoplodermatidae (Coleopt. Cerambycoideae). *Anales Inst Med Reg* 5 (2), 87-100.
- REED C.S., 1909. Breve reseña acerca de los insectos que más perjudican a la agricultura en la Provincia de Mendoza. Ministerio de Industrias y Obras Públicas [Mendoza], Dirección General de Industrias, Sección de Agricultura, Boletín de Informaciones 14, 1-89.
- REED C.S., 1912. Entomología económica argentina. Noticias biológicas y económicas referentes a diversos insectos dañinos a la agricultura argentina. Mendoza, 123 pp. [edición del autor, aumentada de REED, 1909].
- SANZÍN R., 1929. Enfermedades y parásitos de las plantas cultivadas en los alrededores de Mendoza. *Revta. mendocina de Cs Nat y Pedag* [Museo Educacional Juan Cornelio Moyano], Año 1, 2, 39-43.
- VIANA M.J., 1972. Aporte al catálogo de Cerambycidae del Paraguay (Insecta, Coleoptera). *Revta Mus Cs Nat «Bernardino Rivadavia»*, Ent 3 (4), 207-405.
- VIANA M.J., WILLINER G.J., 1974. Evaluación de las faunas entomológica y aracnológica de las provincias cuyanas y centrales de la República Argentina (Tercera comunicación). *Acta Scient, Ser Ent* 9, 1-35.
- ZAJSKI D., 1959. Revisao do género *Coremia* Serville, 1834 (Col., Cerambycidae). *Studia Ent* 2, 271-284.