
An update of the list of types of Ceraphronoidea, Cynipoidea and "Proctotrupeoidea" (Hymenoptera) housed at the Museo de La Plata, Argentina

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■ **ABSTRACT.** In this paper we listed and examined four type specimens of Ceraphronoidea, 94 of Cynipoidea and 198 of "Proctotrupeoidea" (Hymenoptera) housed at the Museo de La Plata, Argentina (División Entomología) not included in previous papers. We also provide update information on categories of types, data of collection and hosts for all cases. These types belong to one, 10 and 12 species respectively and the species were described by Martínez (1), Díaz (2), Díaz & Gallardo (3), Gallardo, Díaz & Marchiori (1), Gallardo, Díaz & Uchoa (1), Kerrich & Quinlan (1), Pujade-Villar & Díaz (1), Ros-Farré & Pujade-Villar (1), De Santis & Loíacono (9), Loíacono (2), and Loíacono & Margaría (1).

KEY WORDS. Catalog. Type material. Ceraphronoidea. Cynipoidea. Proctotrupeoidea. Museo de La Plata Collection.

■ **RESUMEN.** Una actualización de la lista de los tipos de Ceraphronoidea, Cynipoidea y "Proctotrupeoidea" (Hymenoptera) depositados en el Museo de La Plata, Argentina. En este estudio listamos y examinamos cuatro tipos de Ceraphronoidea, 94 de Cynipoidea y 198 de "Proctotrupeoidea" depositados en el Museo de La Plata (División Entomología) no incluidos en trabajos previos. Para cada taxón se brinda la información actualizada acerca de los materiales tipo, datos de recolección y huéspedes. Estos tipos pertenecen a una, 10 y 12 especies respectivamente, las cuales fueron descritas por Martínez (1), Díaz (2), Díaz & Gallardo (3), Gallardo, Díaz & Marchiori (1), Gallardo, Díaz & Uchoa (1), Kerrich & Quinlan (1), Pujade-Villar & Díaz (1), Ros-Farré & Pujade-Villar (1), De Santis & Loíacono (9), Loíacono (2), y Loíacono & Margaría (1).

PALABRAS CLAVE. Catálogo. Material tipo. Ceraphronoidea. Cynipoidea. Proctotrupeoidea. Colección Museo de La Plata.

INTRODUCTION

This catalog is an update of a series that undertakes the revision of the type materials of Hymenoptera housed in the collections of the División Entomología, Museo de La Plata, Buenos Aires, Argentina. Two previous publications on types of superfamilies Cynipoidea, and "Proctotrupeoidea" and Ceraphronoidea from this collection were done by Díaz & Loíacono (1995) and Loíacono & Díaz (1996).

According to the recommendation of the International Code of Zoological Nomenclature (Article 72 F.4, ICZN, 1999), the purpose of this contribution is to gather and update information on type specimens of the mentioned superfamilies deposited in this collection during the last years.

MATERIAL AND METHODS

In this contribution we provide new information of four type specimens of Ceraphronoidea, 94 of Cynipoidea and 198 of "Proctotrupoidea" belonging to one, 10 and 12 species respectively. The species were described by Martínez (1), Díaz (2), Díaz & Gallardo (3), Gallardo, Díaz & Marchiori (1), Gallardo, Díaz & Uchoa (1), Kerrich & Quinlan (1), Pujade-Villar & Díaz (1); Ros-Farré & Pujade-Villar (1), De Santis & Loíacono (9), Loíacono (2), and Loíacono & Margaría (1). Species are ordered alphabetically within subfamilies and genera, according to the classification proposed by Ronquist (1999) and Nauman & Masner (1985). Information on the specimens has been taken from labels and were compared to original descriptions. We have listed holotypes and syntypes and also paratypes, as it has been recommended by Lavett Smith & Buerkli (1969).

The following information is provided for each type specimen:

Species names. They correspond to the original combination (basonym) that accompanies original descriptions.

Bibliographic reference of original publication. Year, author/s, journal, volumen, and page number/s.

Type material. Categories of holotype, allotype, syntype, and/or paratype; number of specimens, sex when it is known; collection number. All specimens of the same series have received the same collection number, each one separated by a slash with an order number. The great number of material are pinned; mounted specimens on microscopic slides are indicated by (M.S.).

Collection data. Country, province or state, locality, date of collection, collector's name.

Observations. Host or other bionomic data included on labels.

RESULTS

CERAPHRONOIDEA MEGASPILIDAE

ranquel, *Dendrocercus* Martínez. 2003, *Rev. Soc. Entomol. Argent.* 62 (3-4): 65. Holotype, male, MLP no. 5058/1, Argentina: La Pampa, Departamento Toay, Reserva Provincial "Parque Luro", 6-IV-2003, Martínez coll. Paratype,

male, MLP no. 5058/3, same data as holotype. Paratype, male, MLP no. 5058/4, same data as holotype except 15-III-2003. Paratype, male, MLP no. 5058/5, Argentina: La Pampa, Departamento de Utracán, 22-XII-2002, Martínez coll.

CYNIPOIDEA CYNIPIDAE

nicaraguensis, *Synergus* Díaz & Gallardo. 1998, *Rev. Nica. Ent.* 43: 43. Paratypes (2), female and male, MLP no. 5042/3-4, Nicaragua: Jinotega, IX-1995, Rueda coll.

FIGITIDAE ASPICERINAE

diazae, *Acanthaegilips* Ros-Farré & Pujade-Villar. 2003. In: Ros Farré *et al.* *Pap. Avuls Zool.* 43(2): 21-22. Holotype, male, MLP no. 5056/1, Argentina: Tucumán, San Miguel de Tucumán, San Javier, 16-XI-1981, Mulvany, Díaz, Armesto, and Fidalgo colls. Paratype, male, MLP no. 5056/3, same data as holotype.

loretana, *Prosaspicera* Díaz, 1979. *Rev. Soc. Entomol. Argent.* 38 (1-4): 100. Holotype, female, MLP no. 5043/1, Argentina: Misiones, Loreto, 12-VIII-1931, Ogloblin coll. Allotype, male, MLP no. 5043/2, same data as holotype except III-1952. Observations: Allotype is lost.

CHARIPINAE

desantisi, *Alloxysta* Pujade-Villar & Díaz, 2002. In: Pujade-Villar *et al.* *Ann. Entomol. Soc. Am.* 95 (5): 541. Holotype, male, MLP no. 5021/1, Argentina: Córdoba, Manfredi, 9-VIII-1973, Brewer coll. Allotype, female, MLP nro. 5021/2, Argentina: Tucumán, San Javier, 16-XI-1981, Díaz coll. Paratype, male, MLP nro. 5021/3, Argentina: Córdoba, Manfredi, 11-VII-1983, Brewer coll. Paratype, male, MLP nro. 5021/4, same data except 9-VIII-1973. Paratypes (2), males, MLP no. 5021/5-6, same data except 19-IX-1973. Paratypes (6), males, MLP no. 5021/7-12, same data except 3-X-1973. Paratypes (3), males, MLP no. 5021/13-15, same data except 10-X-1973. Paratypes (4), males, MLP no. 5021/16-19, same data except 17-X-1973. Paratypes (3), males, MLP no.

5021/20-22, same data except 24-X-1973. Paratypes (4), males MLP no. 5021/23-26, same data except 31-X-1973. Paratypes (2), males, MLP no. 5021/27-28, Argentina: Córdoba, Río Cuarto, 7-V-1974, Pepi coll. Paratypes (3), males, MLP no. 5021/29-31, Argentina: Buenos Aires, 15-IX-1912, Zotta coll. Paratypes (2), males, MLP no. 5021/32-33, Argentina: Jujuy, San Salvador de Jujuy, IX-1979, Román coll. Paratype, male, MLP no. 5021/34, Argentina: Jujuy, XII-1978, Román coll. Paratype, male, MLP no. 5021/35, Argentina: Buenos Aires, Bella Vista, 2-X-1937, Ogloblin coll. Paratypes (3), males, MLP no. 5021/36-38, Brazil: Paraná, Curitiba, VIII-1974, Bartoszeck coll.

EUCOILINAE

brewerae, *Delomeris* Diaz & Gallardo, 1996. *Revta. Bras. Ent.* 40 (2): 244. Holotype, female, MLP no. 5044/1, Argentina: Córdoba, Manfredi, 17-X-1973, Brewer coll. Allotype, male, MLP no. 5044/2, same data as holotype. Paratypes (4), females, MLP no. 5044/3-6, same data as holotype.

egeria, *Paraganaspis* Diaz & Gallardo, 1996. In: Diaz *et al.* *Ann. Entomol. Soc. Am.* 89 (4): 498. Holotype, female, MLP no. 5045/1, Argentina: Formosa, Clorinda, 18-III-1990, Cabrera Walsh coll. Allotype, male, MLP no. 5045/2, same data as holotype. Paratypes (5), females, MLP no. 5045/3-7, same data as allotype. Observations: Reared from *Sarcophagula occidua* (Diptera: Sarcophagidae).

infuscata, *Trybliographa* Gallardo, Diaz & Uchoa, 2000. *Rev. Soc. Entomol. Argent.* 59 (1-4): 21. Paratypes (2), female and male, MLP no. 5046/3-4, Brazil: Mato Grosso do Sul, Aquidauana, 10-II-1994, Uchoa coll. Observations: Reared from *Neosilba* sp. (Diptera: Lonchaeidae).

spaniandra, *Trybliographa* Kerrich & Quinlan, 1960. *Opusc. Ent.* 25: 194. Paratypes (2), females, MLP no. 2052/3-4, England: Rothamsted, IX-1958, Dobson coll. Observations: On *Leptohylemyia quartata* (Diptera: Anthomyiidae).

brasiliensis, *Steleucoela* Gallardo, Diaz & Marchiori, 2003. *Trans. Am. Ent. Soc.* 129 (1):

108. Paratype, male, MLP no. 5047/3, Brazil: Goiás, Itumbiará, 12-III-2000, Marchiori coll. Paratype, male, MLP no. 5047/4, same data except 29-V-2000. Paratype, male, MLP no. 5047/5, same data except 22-II-2002. Paratypes (3), females, MLP no. 5047/6-8, same data except 22-II-2002. Paratype, male, MLP no. 5047/9, same data 26-III-2002. Paratypes (2), female and male, MLP no. 5047/10-11, same data except 04-IV-2002. Observations: The paratype MLP no. 5047/9 is coated with golden-palladium.

THRASORINAE

platensis, *Myrtopsen* Diaz, 1975. *Neotrópica* 21 (64): 32. Holotype, male, MLP no. 023/1, Argentina: Buenos Aires, La Plata, 17-XI-1971, Darrieu and Diaz colls. Allotype, female, MLP no. 023/2, same data as holotype. Paratypes (12), males, MLP no. 023/3-14, same data as holotype. Paratypes (11), females, MLP no. 023/15-25. Observations: Reared from galls of *Blepharocalyx tweediei* (Mirtaceae). All specimens are labelled as holotype, allotype, and paratypes but the author did not designed them in the original publication. According to art. 72.4.1.1 (ICZN) we considered them as holotype, allotype, and paratypes.

"PROCTOTRUPEOIDEA"

DIAPRIIDAE

pampeana, *Gymnopria* Loiácono, 2000. In: Loiácono *et al.* *Rev. Soc. Entomol. Argent.* 59 (1-4): 10. Holotype, female, MLP no. 5041/1, Argentina: La Pampa, Santa Rosa, 8-XI-1995, Quirán and Corró Molas colls. Paratypes (25), females, MLP no. 5041/3-27, same data as holotype. Paratypes (3), males, MLP no. 5041/28-31, same data as holotype. Observations: Parasitoids of *Acromyrmex lobicornis* larvae (Hymenoptera: Formicidae).

formicans, *Trichopria* Loiácono, 2000. In: Loiácono *et al.* *Rev. Soc. Entomol. Argent.* 59 (1-4): 12. Holotype, female, MLP no. 5042/1, Argentina: La Pampa, Utracán, 22-XII-1997, Caramuti and Rodríguez colls. Paratypes (68), females, MLP no. 5042/3-71, same data as holotype. Paratypes (43), males, MLP no. 5042/

72-115, same data as holotype. Observations: Parasitoids of *Acromyrmex lobicornis* larvae (Hymenoptera: Formicidae).

SCELIONIDAE SCELIONINAE

metazygiae, Baeus Loíacono & Margaría, 2004. *Act. zool. Mex.* (n.s.) 20 (1): 87. Holotype, female, MLP no. 2059/1, Brazil: Rio Grande, San Leopoldo, 10-III-1964, Del Valle coll. Allotype, male, MLP no. 2059/2 (M.S.), same data as holotype. Paratypes (5), females, MLP no. 2059/3-7, same data as holotype. Paratype, female, MLP no. 2059/8 (M.S.), same data as holotype. Paratypes (2), females, MLP no. 2059/9-10, same data as holotype except 24-III-1964. Paratypes (6), males, MLP no. 2059/11-16, same data as holotype. Observations: Endoparasitoids of *Alpaida veniliae* eggs (Araneae: Araneidae).

dichropli, *Scelio* De Santis & Loíacono, 1993. *Acad. Nac. Agron. y Vet.* 47 (11): 12. Holotype, female, MLP no. 2369/1, Argentina: Buenos Aires, Guaminí, 1966, Pasqualini coll. Allotype, male, MLP no. 2369/2, Argentina: La Pampa, without date, Ronderos coll. Paratype, female, MLP no. 2369/3, same data as allotype. Observations: Reared from *Dichroplus pratensis* eggs (Orthoptera: Acrididae).

fritzi, *Scelio* De Santis & Loíacono, 1993. *Acad. Nac. Agron. y Vet.* 47 (11): 13. Holotype, female, MLP no. 2363/1, Argentina: Salta, Rosario de Lerma, X-1990, Fritz coll.

hilaris, *Scelio* De Santis & Loíacono, 1993. *Acad. Nac. Agron. y Vet.* 47 (11): 11. Holotype, female, MLP no. 2362/1, Argentina: Misiones, Loreto, 20-III-1931, Ogloblin coll. Allotype, male, MLP no. 2362/2, same data as holotype except 10-II-1930. Paratype, female, MLP no. 2362/3, same data as holotype except 20-III-1931. Paratypes (2), males, MLP no. 2362/4-5, same data as holotype except 14-I-1930 and 8-II-1931 respectively. Paratypes (2), males, MLP no. 2362/6-7, same data as holotype except 27-II-1930 and 18-IV-1932 respectively. Observations: The author mentioned seven paratypes in the original publication.

loretanus, *Scelio* De Santis & Loíacono, 1993. *Acad. Nac. Agron. y Vet.* 47 (11): 11. Holotype, female, MLP no. 2361/1, Argentina: Misiones, Loreto, 14-I-1930, Ogloblin coll. Paratype, female, MLP no. 2361/3, same data as holotype except 3-IV-1928.

rusticus, *Scelio* De Santis & Loíacono, 1993. *Acad. Nac. Agron. y Vet.* 47 (11): 10. Holotype, female, MLP no. 2359/1, Argentina: Misiones, Loreto, without date, Ogloblin coll.

semiatratus, *Scelio* De Santis & Loíacono, 1993. *Acad. Nac. Agron. y Vet.* 47 (11): 8. Holotype, female, MLP no. 2358/1, Argentina: Misiones, Loreto, 20-II-1934, Ogloblin coll.

striatiscutum, *Scelio* De Santis & Loíacono, 1993. *Acad. Nac. Agron. y Vet.* 47 (11): 12. Holotype, female, MLP no. 2368/1, Argentina: Misiones, Loreto, without date, Ogloblin coll.

tenuipilosus, *Scelio* De Santis & Loíacono, 1993. *Acad. Nac. Agron. y Vet.* 47 (11): 11. Holotype, female, MLP no. 2360/1, Argentina: Misiones, Loreto, 13-IV-1929, Ogloblin coll.

TELENOMINAE

capito, *Telenomus* De Santis & Loíacono, 1980. In: De Santis *et al.* *Medicina* 10 (1): 199. Paratypes (11), females, MLP no. 1303/49-59 (M.S.), Venezuela: Carabobo, La Encantada, 1978, Piñero coll. Paratypes (13), males, MLP no. 1303/60-71 (M.S.), same data as paratypes MLP no. 1303/49-59. Observations: Reared from *Psamolestes arthuri* (Heteroptera: Reduviidae) eggs. There are two specimens on M.S. 1303/66.

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