

## SHORT COMMUNICATION

### ON SOME CHILEAN JUMPING SPIDER TYPE SPECIMENS DESCRIBED BY NICOLET (ARANEAE, SALTICIDAE)

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**ABSTRACT.** The type specimens of ten of Nicolet's species of jumping spider from Chile were examined. In this paper we present seven new synonymies and two new combinations for these nominal species as well as a redescription and illustrations where necessary. *Attus iricolor* Nicolet 1849, *Attus scalaris* Nicolet 1849, *Attus superbus* Nicolet 1849 and *Attus zonarius* Nicolet 1849 are synonymized with *Dendryphantes mordax* (C.L. Koch 1846); *Euophrys quilpuensis* Simon 1901, *Attus vanus* Nicolet 1849 and *Attus vestitus* Nicolet 1849 are synonymized with *Euophrys rusticana* (Nicolet 1849) comb. nov.; *Attus legibilis* Nicolet 1849 is tentatively transferred to *Dendryphantes* C.L. Koch 1837.

**Keywords:** Chile, South America, taxonomy, *Dendryphantes*, *Euophrys*

The earliest publication dealing with Chilean arachnids was by Nicolet (1849), who described several new species of spiders including 29 species of Salticidae. The original descriptions, however, are insufficiently detailed to allow for the accurate identification of the species. Nicolet's entire collection was lost amongst the Muséum National d'Histoire Naturelle, Paris, collection and all have long been treated as *nomina dubia* (Roewer 1955).

After many years treated as lost, 12 of the 29 Nicolet salticid types were located by Ramírez (1989) in the Paris collection. After examining some of these specimens, Galiano (1995) synonymized *Attus similis* Nicolet 1849 with *Attus notabilitatus* Nicolet 1849, redescribing and transferring the species during the description of *Trydarssus* Galiano 1995. The other ten species, however, are still treated as *species inquirendae* (Platnick 2006).

Recently, Christine Rollard and Elise-Anne Leguin kindly sent us the type material of ten of the species located by Ramírez (1989), including those already examined by Galiano (1995). In this paper we present seven new synonymies and two new combinations for these nominal species as well as a redescription and illustrations where necessary. The type specimens of the two other species located by Ramírez have not been examined: the types of *Attus elegans* Nicolet 1849 are on loan to another researcher and those of *Attus modestus* Nicolet 1849 could not be found in the collection by the curatorial staff. The former species, *Attus elegans* Nicolet presently *Thiodina nicoleti* Roewer 1951, was revised by Simon (1900) and designated as the type species of *Thiodina* Simon 1900.

The material examined for this study is deposited in the Muséum National d'Histoire Naturelle, Paris (MNHN). The abbreviation MNHU is used for the Museum für Naturkunde der Humboldt-Universität, Berlin. Measurements are in mm. The following abbreviations were used in the spination formulae: d = dorsal; p = prolateral; r = retrolateral; v = ventral; di = distal.

#### TAXONOMY

Family Salticidae Blackwall 1841

Genus *Dendryphantes* C.L. Koch 1837

**Type species.**—*Araneus hastatus* Clerck 1757.

**Remarks.**—True species of *Dendryphantes* are holarctic in distribution, with only one species in the northern nearctic (Maddison 1996: 236). The Chilean species examined in this study are placed in this genus, but probably do not belong there. Their placement should be considered tentative. The neotropical dendryphantines are in need of much revisionary work.

*Dendryphantes mordax* (C.L. Koch 1846)

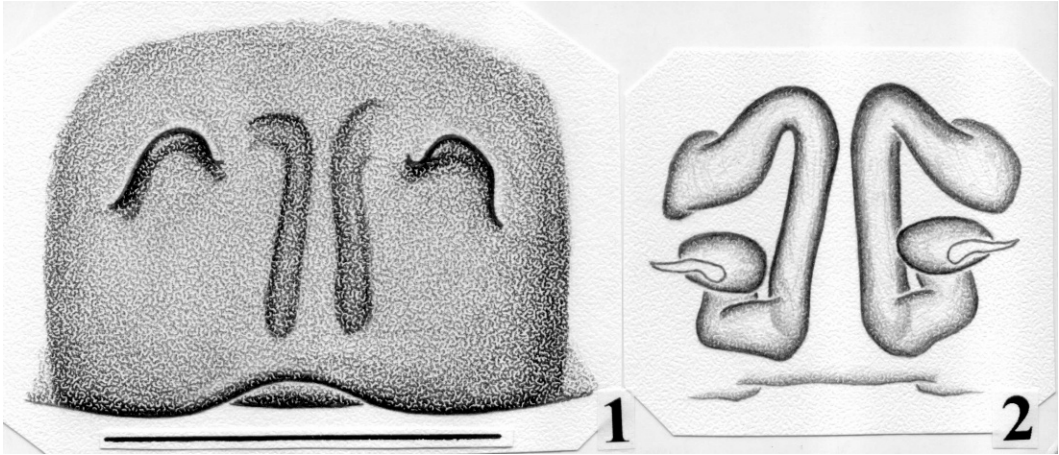
*Hyllus mordax* C.L. Koch 1846:165, fig. 1219.

*Euophrys jucunda* C.L. Koch 1846:205, fig. 1252 (synonymized by Galiano 1979: 342).

*Attus iricolor* Nicolet 1849:366. NEW SYNONYMY.

*Attus scalaris* Nicolet 1849:365. NEW SYNONYMY.

*Attus superbus* Nicolet 1849:380. NEW SYNONYMY.



Figures 1–2.—*Dendryphantes legibilis* (Nicolet, 1849). 1. Epigynum, ventral view; 2. Epigynum, dorsal view, cleared. Scale line = 0.25 mm.

*Attus zonarius* Nicolet 1849:373. NEW SYNONYMY.

*Freya jucunda*: C.L. Koch 1850:66.

*Dendryphantes mordax*: Simon 1901a:601; Galiano 1979:342, figs. 1–6; Platnick 2006.

*Phiale jucunda*: Simon 1903:702.

**Type specimens.**—*Hyllus mordax*: URUGUAY: male holotype, Montevideo [34°51'S, 56°10'W] (MNHU), not examined.

*Euophrys jucunda*: URUGUAY: female holotype, Montevideo [34°51'S, 56°10'W] (MNHU), not examined.

*Attus iricolor*: CHILE: juvenile holotype, Santiago [33°27'S, 70°40'W], C. Gay (MNHN 4149), examined.

*Attus scalaris*: CHILE: 4 male and 4 female syntypes, Santiago [33°27'S, 70°40'W], C. Gay (MNHN 4167), examined.

*Attus superbus*: CHILE: female holotype, Valdivia [?] (MNHN 4172), examined.

*Attus zonarius*: CHILE: 1 male and 1 female syntypes, Santiago [33°27'S, 70°40'W], C. Gay (MNHN 4166), examined.

**Description.**—See Galiano (1979).

**Remarks.**—The synonymies are based on the excellent illustrations provided by Galiano (1979, figs. 1–6). The immature holotype of *Attus iricolor* was identified by the general body shape. *Dendryphantes mordax* is known from Uruguay, Argentina and Chile (Platnick 2006).

*Dendryphantes legibilis* (Nicolet 1849)  
new combination

Figs. 1, 2

*Attus legibilis* Nicolet 1849:366.

**Type specimen.**—CHILE: female holotype, no further locality data (MNHN 4186), examined.

**Description.**—*Female*: Total length: 6.05. Color pattern poorly preserved. Carapace light brown, 2.45 long, 1.82 wide, 1.07 high. Ocular quadrangle 1.10 long. Anterior eye row 1.35 wide, posterior 1.60 wide. Chelicerae yellow, with two teeth on promargin and one on retromargin. Palpi yellow, with a femoral spine d1di. Sternum yellow. Leg I light brown, II–IV yellow. Length of femur I 1.30, II 1.05, III 1.05, IV 1.30; patella + tibia I 1.80, II 1.25, III 1.20, IV 1.55; metatarsus + tarsus I 1.07, II 0.90, III 1.00, IV 1.22. Leg spination: femur I, II d1-1-1, p2di; III d1-1-1, p2di, r1di; IV d1-1-1, p1di or p0, r1di; patella I, II, III, IV 0; tibia I v2-2-2; II v1r-2; III v2di or v1pdi; IV v1p-2; metatarsus I, II v2-2; III p1di, r1di, v2di; IV p1di, r1di, v1p-2. Abdomen yellow. Epigynal plate rectangular, invaginated posteriorly; internally with long and coiled copulation ducts and small, oval spermathecae (Figs. 1, 2). Spinnerets yellow.

**Remarks.**—The species is tentatively transferred to *Dendryphantes*, and is known only from Chile (Platnick 2006).

Genus *Euophrys* C.L. Koch 1834

**Type species.**—*Aranea frontalis* Walckenaer 1802.

**Remarks.**—The boundaries among euophryine genera are difficult to assess and in need of review. The neotropical species of this genus may not belong to the same lineage as the palaeartic type species.

*Euophrys rusticana* (Nicolet 1849) new combination  
*Attus rusticanus* Nicolet 1849:374.

*Attus vanus* Nicolet 1849:379. NEW SYNONYMY.

*Attus vestitus* Nicolet 1849:379. NEW SYNONYMY.

*Euophrys quilpuensis* Simon 1901b:21; Berland 1924 437, figs. 38–41; Galiano 1962:177, pl. I, figs. 8–14; Galiano 1963:352, pl. XIX, fig. 5; Prószyński 1976:153, figs. 174, 215; Platnick 2006. NEW SYNONYMY.

**Type specimens.**—*Attus rusticanus*: CHILE: 5 female syntypes (MNHN 4165), examined.

*Attus vanus*: CHILE: 2 male syntypes, Valdivia [?], C. Gay (MNHN 4185), examined.

*Attus vestitus*: CHILE: 5 male syntypes, Valdivia [?] (MNHN 4134), examined.

*Euophrys quilpuensis*: CHILE: female holotype, Quilpué [33°02'S, 71°26'W] (MNHN), not examined.

**Description.**—See Galiano 1962:177, pl. 1, figs. 8–14.

**Synonymies.**—The synonymy of *Euophrys quilpuensis* Simon 1901b is based on illustrations by Galiano (1962). *Euophrys rusticana* is known only from Chile (Platnick 2006).

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