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A new combination for the bembicine genus *Selman* Parker, 1929 (Hymenoptera: Crabronidae)

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Abstract

The identity of *Monedula diana* Handlirsch, 1890 is reassessed and the species is transferred to the monotypic genus *Selman*, which now includes two species, *S. diana* n. comb. and *S. notatus* (Taschenberg, 1870). The main differences between the two species are presented. Photographs of the holotype of *Monedula diana* are provided and its putative type locality is discussed. Also new distribution records are provided for *S. notatus*.

Key words: Sand wasps, Brazil, Piauí, taxonomy, Apoidea

Introduction

Bembicinae is the second most speciose subfamily of Crabronidae, with 1,697 species in 81 genera (Bohart & Menke 1976; Pulawski 2014). Bohart & Menke (1976) divided it in seven tribes: Alyssontini, Bembicini, Gorytini, Heliocausini, Mellinini, Nyssonini and Stizini. Mellinini has been shown by Melo (1999) to belong to the Crabroninae, and more recently a revised classification of the remaining Bembicinae was proposed by Nemkov & Lelej (2013). Based on their phylogenetic study, the authors recognized four tribes and nine subtribes: Heliocausini, Alyssontini, Nyssonini, with the subtribes Nurseina and Nyssonina, and Bembicini, with Exeirina, Gorytina, Spheciina, Handlirschhiina, Stizina, Stictiellina and Bembicina. Except for Gorytina, Stictiellina and Bembicina, the remaining subtribes of Bembicini, however, were not found to be monophyletic by Nemkov & Lelej (2013), a clear indication that a stable classification for the entire group will require further studies.

The subtribe Bembicina contains many of the most conspicuous groups of apoid wasps in the Neotropical region, due to their large body size, widespread occurrence and high abundance. Currently, Bembicina has 454 species in 11 genera, with only *Bembix* Fabricius being found outside the New World. The genera *Carlobembix* Willink, *Editha* Parker, *Hemidula* Burmeister, *Selman* Parker, *Trichostictia* Parker and *Zyxyx* Pate are restricted to South America and most species of *Bicyrtes* Lepeletier, *Microbembex* Patton, *Rubrica* Parker and *Stictia* Latreille are found also in this region.

The taxonomy of the Bembicina in the New World is far from settled. General treatments, with an ample representation of genera and species, are restricted to the works of Parker (1929), Willink (1947) and Bohart & Menke (1976). Modern revisionary works, in which type material of the included species has been examined, are available only for *Bicyrtes* (Bohart 1996), while regional treatments are available for the species of *Microbembex* from California, USA (Bohart & Horning 1971) and Argentina (Bohart & Willink 1989). Large genera, such as *Stictia* and *Microbembex*, respectively with 28 and 34 species, are likely to include wrongly applied names and synonyms, making it difficult to reach a consensus on the real diversity of the entire group.

In the present work the identity of *Monedula diana* Handlirsch, 1890 is reassessed and the species is transferred to the monotypic genus *Selman*, which now includes two species. Also new distribution records are provided for *Selman notatus* (Taschenberg, 1870).

Grande do Sul (Handlirsch 1890). Among the material examined here, the species is newly recorded from the Paraguayan departments of Concepción, Cordillera and Paraguarí.

Material examined. ARGENTINA: Chaco: one female (INBP), 'DÉCEMBRE' 'Républ. Argentiné\ GRAN CHACO\ RIO TAPENAGO' [sic; Río Tapenagá] 'M N H N P\ A. W. Bertoni\ P. 22\ B. Garcete rev' 'IBNPY-INVERT\ 000000000383' 'det. B. Garcete 2001'. **La Rioja:** one male (DZUP), 'ARG. LA RIOJA\ MASCASIN' 'SELMAN ♂\ NOTATA\ (TASCH.)\ M.A.Fritz det. 1960'. **BRASIL: Mato Grosso:** one female (DZUP), 'DPT° ZOO\ UF-PARANÁ' 'Cáceres, MT\ 27.III.1985\ C. Elias leg\ POLONOROESTE'. **Espírito Santo:** one female (DZUP), 'GUARAPARI-ES\ Brasil XI-61\ M.Alvarenga' 'Selman ♀\ notata (Tasch.)\ det.A.Willink'; two females (DUZP), 'SERRA - N. Almeida\ ES-BRASIL-25/2/67\ C. Elias-C. T. Elias'. **PARAGUAY: Concepción:** one female (INBP), 'PARAGUAY:\ CONCEPCION:\ Cororó, 25. ii. 1997,\ B. Garcete' 'IBNPY-INVERT\ 000000000378' 'Selman\ notata\ (Taschenberg)\ det. B. Garcete 2000'; one female (INBP), same data except 'CONCEPCON [sic]: \ 27. ii. 1997' '000000000379'. **Cordillera:** one female (INBP), 'PARAGUAY:\ CORDILLERA:\ Piribebuy\ Chokoló\ 25. i. 1995\ B. Garcete' 'IBNPY-INVERT\ 000000000377' 'Selman ♀\ notata\ (Tasch.)\ det. A. Willink 1995'. **Paraguarí:** one female (INBP), 'PARAGUAY:\ PARAGUARI\ Compañía Naranja\ 4-7. iv. 1996\ BR. Garcete coll.' 'IBNPY-INVERT\ 000000000380' 'Selman\ notata\ (Taschenberg)\ det. B. Garcete 2000'; one female (INBP), same data except '3-8. ii. 1996\ B. Garcete coll.' '000000000381'.

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