

PARAGUAY BIODIVERSIDAD

PARAGUAY BIODIVERSITY

PARAGUAY BIODIVERSITÄT



Alpaida quadrilorata (Simon, 1897)

foto: S. Drechsel

***Dirphia rubricauda* Bouvier, 1929 new record from Paraguay (Lepidoptera: Saturniidae: Hemileucinae)**

Ulf Drechsel*

Abstract: *Dirphia rubricauda* Bouvier, 1929 is reported as new for the fauna of Paraguay.

Resumen: *Dirphia rubricauda* Bouvier, 1929 se reporta como nueva para la fauna de Paraguay.

Zusammenfassung: *Dirphia rubricauda* Bouvier, 1929 wird als neu für die Fauna von Paraguay gemeldet.

Key words: Paraguay, Saturniidae, Hemileucinae, *Dirphia rubricauda*, new record.

Introduction

In recent years, several new records for the Paraguayan silkmoth fauna have been published: e.g. Drechsel (2014) and Rios & Smith (2013). Nevertheless, species are constantly being discovered, of which hitherto lacked evidence in Paraguay, as the here presented species of the genus *Dirphia* Hübner, 1819. About 50 species of the genus *Dirphia* have been described from Central and South America (Heppner, 1996; Lemaire, 2002), three species were known so far from Paraguay: *Dirphia avialtoparanaensis* Brechlin & Meister, 2011, *D. moderata* Bouvier, 1929 and *D. panamensis* (Schaus, 1921). *D. avialtoparanaensis* was formerly thought to be *D. avia* (Stoll, 1780), only after the DNA analysis turned out that the specimens from Paraguay belong to a separate species (Brechlin & Meister, 2011). A fourth species has now been discovered in the north of the Department of Concepción during field work studying the biodiversity of the country.

*Gral. Aquino 694, Asunción, Paraguay (ulfdrechsel@hotmail.com)

Dirphia rubricauda Bouvier, 1929

CONCEPCIÓN: Estancia Garay Cué, S 22° 42' W 57° 22', 28. IX. 2014, 1 male.



Figs. 1-2: *Dirphia rubricauda* male



Fig. 3: *Dirphia rubricauda* male

Discussion

According to Mielke (pers. com.) *Dirphia rubricauda* is a typical species of the Cerrado, not rare, especially in the central area of Brazil. Thus, the discovery in Paraguay was no surprise. Surely in more intensive research in the northern parts of eastern Paraguay more species will be discovered, which are now known from the Brazilian Cerrado only.

Acknowledgements

The author expresses his most sincere gratitude to Oscar Rodriguez and Desarrollo Turístico Paraguayo S.R.L. for logistic support. I specially thank Carlos Mielke, Brazil, for help with identification of the specimen and the owner of Estancia Garay Cué, Massimo Coda, for the permission to realize the studies.

References

- BRECHLIN, R., & F. MEISTER, 2011. Neue Arten der Gattung *Dirphia* Hübner, 1819 (Lepidoptera: Saturniidae). *Entomo-Satsphingia*. 4 (5): 5-29.
- DRECHSEL, U., 2014. Four new records of Saturniidae from Paraguay. *Paraguay Biodiversidad* 1(1): 1-6. <http://www.pybio.org/wp-content/uploads/2014/06/1-Four-new-records-of-Saturniidae-from.pdf>
- LEMAIRE, C., 2002. Les Saturniidae américains. Hemileucinae. Goecke & Evers.
- HEPPNER, J. B., 1996. Atlas of Neotropical Lepidoptera. Checklist: Part 4B
- RIOS DIAZ, S. D. & P. SMITH, 2013. Cuatro nuevas especies de Saturniidae (Insecta: Lepidoptera) para el Paraguay. *Bol. Mus. Nac. Hist. Nat. Parag.* Vol. 17, 1: 86-90.

