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Faunistic records of Heteroceridae from the Brazilian state of Mato Grosso (Coleoptera: Heteroceridae)

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Abstract

Heterocerus danielssoni SKALICKÝ, 2006, *H. steineri* SKALICKÝ, 2006 and *Tropicus alcicornis* MASCAGNI, 1989 are confirmed for the first time for the fauna of Brazil (Mato Grosso). *Tropicus borysi* SKALICKÝ, 2006 and *T. tuberculatus* PACHECO, 1964 are confirmed for the first time for the Brazilian state of Mato Grosso. Additional distributional records for two other species from Mato Grosso are provided.

Key words: Coleoptera, Heteroceridae, *Heterocerus*, *Tropicus*, Brazil, Mato Grosso, faunistics.

Introduction

In the most recent list of the heterocerid fauna of Brazil (SKALICKÝ 2017, 2021b), a total of 31 species (*Heterocerus* FABRICIUS, 1792: 13 spp., *Tropicus* PACHECO, 1964: 18 spp.) are documented for the individual states of Brazil. In this article, three additional species of Heteroceridae are recorded for the first time from Brazil (Mato Grosso). Furthermore, two species are recorded for the first time from the Brazilian state of Mato Grosso. In addition, new distributional records of two other species (*H. sazhnevi* SKALICKÝ, 2017 and *H. similis* GROUVELLE, 1896) in the state of Mato Grosso are presented.

Separate labels are indicated by double slashes, locality data are cited verbatim in "quotation marks".

If not otherwise stated, all specimens listed below are deposited in the Natural History Museum, London, U.K.

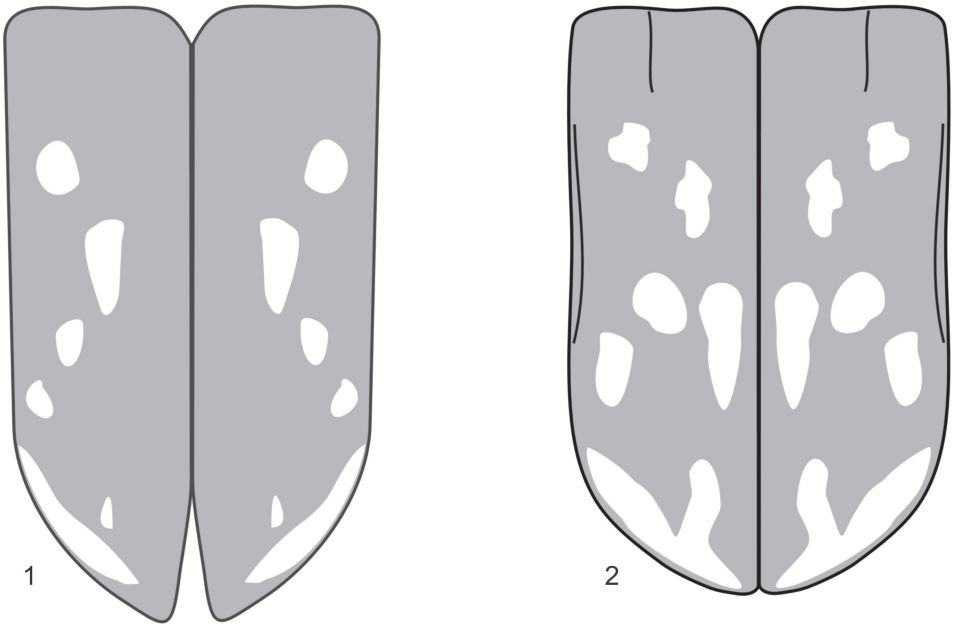
Distributional notes

Heterocerus danielssoni SKALICKÝ, 2006

MATERIAL EXAMINED: 6 ♂♂: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema 15°35'32"S 56°01'36"W UV light, 30.IV.2020 BMNH{E} 2020-32"; 1 ♂ (deposited in coll. Skalický), 2 exs. (sex not examined): "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 2.IV.2020 BMNH(E) 2020-32"; 1 ♂, 4 exs. (sex not examined): "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 17.IV.2020 BMNH(E) 2020-32"; 2 exs. (sex not examined): "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 19.IV.2020 BMNH(E) 2020-32"; 7 ♂♂, 1 ♀, 4 exs. (sex not examined): "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 21.IV.2020 BMNH(E) 2020-32"; 1 ♂ (deposited in coll. Skalický), 1 ♂, 1 ex. (sex not examined): "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 30.IV.2020 BMNH(E) 2020-32"; 1 ex. (sex not examined): "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 6.VII.2020 BMNH(E) 2020-32".

DISTRIBUTION: Bolivia (SKALICKÝ 2006a). First record for Brazil (Mato Grosso).

VARIABILITY: The elytral color pattern of the specimens from Brazil (Fig. 2) deviates from the type specimens from Bolivia (Fig. 1).



Figs. 1–2: Elytral pattern of *Heterocerus danielssoni*: 1) holotype, 2) specimen from Brazil (Mato Grosso).

Heterocerus sazhnevi Skalický, 2017

MATERIAL EXAMINED: 1 ♂: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 17.IV.2020 BMNH{E} 2020-32."; 1 ♂, 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 19.IV.2020 BMNH{E} 2020-32." (1 ♂ deposited in coll. Skalický), 1 ♂: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 30.IV.2020 BMNH{E} 2020-32.".

DISTRIBUTION: Brazil (Mato Grosso) (Skalický 2017).

Heterocerus similis Grouvelle, 1896

MATERIAL EXAMINED: 1 ♂: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 19.IV.2020 BMNH{E} 2020-32.".

DISTRIBUTION: Argentina, Bolivia, Brazil (Santa Catarina, Mato Grosso), Chile, Paraguay, Uruguay, Venezuela (Mascagni & Monte 2010, Pacheco 1964, Skalický 2002, 2004, 2008, 2016, 2017).

Heterocerus steineri Skalický, 2006

MATERIAL EXAMINED: 1 ♂: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema 15°35'32"S 56°01'36"W UV light, 17.IV.2020 BMNH{E} 2020-3.".

DISTRIBUTION: Bolivia, Peru (Skalický 2006a, 2009). First record for Brazil (Mato Grosso).

Tropicus alcicornis MASCAGNI, 1989

MATERIAL EXAMINED: 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 05.XI.2020 BMNH{E} 2020-32. "; 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 06.IV.2020 BMNH{E} 2020-32. "; 2 ♂♂, 9 ♀♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema 15°35'32"S 56°01'36"W UV light, 17.IV.2020 BMNH{E} 2020-32."; 6 ♂♂, 9 ♀♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 19.IV.2020 BMNH{E} 2020-32"; 1 ♂ (deposited in coll. Skalický), 1 ♀: "BRAZIL: MATO GROSSO Pantanal de Poconé, Aymara lodge (25 km S of Poconé), 127 m, 16°30'15"S 56°40'31"W, 23.II.2020." // "light trap (LED). A.A.Mota, M.V.L.Barclay, J.P.Cristóvão, M.F.Geiser & A. Gonzáles-Alvarado leg., BMNH{E} 2020-32."; 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 1.II.2020 BMNH(E) 2020-32"; 11 ♂♂, 9 ♀♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 2.IV.2020 BMNH(E) 2020-32"; 11 ♂♂, 9 ♀♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 17.IV.2020 BMNH(E) 2020-32"; 3 ♂♂, 3 ♀♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 21.IV.2020 BMNH(E) 2020-32"; 4 ♂♂, 3 ♀♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 30.IV.2020 BMNH(E) 2020-32"; 12 ♂♂, 17 ♀♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 9.V.2020 BMNH(E) 2020-32"; 1 ♂ (deposited in coll. Skalický), 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 10.VI.2020 BMNH(E) 2020-32"; 1 ♂, 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 6.VII.2020 BMNH(E) 2020-32"; 13 ♀♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 20.XII.2020 BMNH(E) 2020-32".

DISTRIBUTION: Argentina, Bolivia, Paraguay, Venezuela (MASCAGNI & MONTE 2010, SKALICKÝ 2021). First record for Brazil (Mato Grosso).

Tropicus borysi SKALICKÝ, 2006

MATERIAL EXAMINED: 1 ♂: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 2.IV.2020 BMNH(E) 2020-32"; 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 21.IV.2020 BMNH(E) 2020-32"; 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 20.XII.2020 BMNH(E) 2020-32".

DISTRIBUTION: Brazil (Goias) (SKALICKÝ 2006b). First record for the Brazilian state of Mato Grosso.

Tropicus tuberculatus PACHECO, 1964

MATERIAL EXAMINED: 1 ♂: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 2.IV.2020 BMNH(E) 2020-32"; 1 ♂: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 17.IV.2020 BMNH(E) 2020-32"; 1 ♂: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 19.IV.2020 BMNH(E) 2020-32"; 1 ♂, 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 9.V.2020 BMNH(E) 2020-32"; 1 ♂ (deposited in coll. Skalický), 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 6.VII.2020 BMNH(E) 2020-32"; 3 ♀♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 20.XII.2020 BMNH(E) 2020-32".

DISTRIBUTION: Argentina, Brazil (Santa Catharina), Bolivia, Paraguay (PACHECO 1964, SKALICKÝ 2016, 2019, 2021a). First record for the Brazilian state of Mato Grosso.

Tropicus sp. (females)

MATERIAL EXAMINED: 1 ♀: "BRAZIL: MATO GROSSO Pantanal de Poconé, Aymara lodge (25 km S of Poconé), 127 m, 16°30'15"S 56°40'31"W, 23.II.2020." // "light trap (LED). A.A.Mota, M.V.L.Barclay, J.P.Cristóvão, M.F.Geiser & A. Gonzáles-Alvarado leg., BMNH{E} 2020-32."; 1 ♀: "BRAZIL: MATO GROSSO Cuiabá, Recanto do Siriema. 15°35'32"S 56°01'36"W UV light, 9.V.2020 BMNH(E) 2020-32.".

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