

NOTA / NOTE

Distributional notes on some Nosodendridae (Coleoptera) - XV. New faunistic data of *Nosodendron* Latreille, 1804 species from Peru.

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Abstract: Four species of *Nosodendron* Latreille, 1804 are recorded from Peru, two of them for the first time: *Nosodendron angelum* Reichardt, 1973 and *Nosodendron latifrons* Sharp, 1902. A key to the five species known from Peru is presented.

Key words: Coleoptera, Nosodendridae, *Nosodendron*, Faunistics, new records, key, Peru.

Resumen: Notas sobre la distribución de algunos Nosodendridae (Coleoptera) - XV. Nuevos datos faunísticos de especies de *Nosodendron* Latreille, 1804 de Perú. Se citan cuatro especies de *Nosodendron* Latreille, 1804, de Perú, dos de ellas por primera vez: *Nosodendron angelum* Reichardt, 1973 y *Nosodendron latifrons* Sharp, 1902. Se presenta una clave para las cinco especies conocidas de Perú.

Palabras clave: Coleoptera, Nosodendridae, *Nosodendron*, faunística, nuevas citas, clave, Perú.

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Introduction

The small family Nosodendridae (Coleoptera) comprises 3 genera and 82 species (Háva, 2014) and its classification follows Bouchard *et al.* (2011). Recently, Háva & Chaboo (2015) reported three species for Peru: *Nosodendron politum* Sharp, 1902, *Nosodendron testudinum* Waterhouse, 1876, and *Nosodendron thompsoni* Reichardt, 1976. In this paper, we report new localities for two species and the first record in Peru for two species more. Adults and juvenile stages of *Nosodendron* Latreille, 1804 are saprophagous (Zahradník & Háva, 2014), and it is not surprising that specimens examined here were collected from rotten logs and fungus.

Material and methods

All material was determined by the first author. Distribution follows Háva (2014).

The following abbreviations refer to the collections, in which the examined materials are deposited:

JHAC: Jiří Háva, Private Entomological Laboratory and Collection, Prague-west, Czech Republic.

SEMC: Snow Entomological Museum Collection, Biodiversity Institute and Natural History Museum, University of Kansas, Lawrence, USA.

MUSM: Museo de Historia Natural, Universidad Nacional Mayor de San Marcos, Lima, Perú.

Results

Genus Nosodendron Latreille, 1804

Nosodendron angelum Reichardt, 1973

Material examined: Peru: Prov Tampobata ., Dpto. Madre de Dios., 15 km NE Puerto Maldonado Reserva Cuzco Amazónico, 12°33'S 69°03'W, 200 m, 30.June.1989 / J.S. Ashe, R.A. Leschen, #337, ex., rotten log, 6 spec. (1 JHAC; 3 SEMC, 2 MUSM); the same data but #265 ex: Slime flux, 1 spec., (SEMC).

Distribution: Species known from Argentina, Brazil, Paraguay (Háva, 2014). New record for Peru.

Notes: These specimens were collected during the 1989 BIOTROP expeditions. This lowland site is described by Duellman & Koechlin (1991).

Nosodendron latifrons Sharp, 1902

Material examined: Peru: Prov., Tampobata, Dpto Madre de Dios., 15 km NE Puerto Maldonado Reserva Cuzco Amazónico, 12°33'S 69°03'W, 200 m, 30.June.1989 / J.S. Ashe, R.A. Leschen, #337, ex., rotten log, 4 spec. (1 JHAC, 2 SEMC, 1 MUSM).

Distribution: Species known from Colombia, Panama (Háva, 2014). New record for Peru.

Notes: As above, specimens were collected during the 1989 BIOTROP expeditions and the study site is described by Duellman & Koechlin (1991).

Nosodendron testudinum Waterhouse, 1876

Material examined: Peru: Dpto. Loreto, Campamento San Jacinto, 2°18.75'S 75°51.77'W, 5-13.July.1993, 175-215 m, Richard Leschen, #30, ex: flight intercept trap, 6 spec., (1 JHAC, 3 SEMC, 2 MUSM); Madre de Dios, Pantiacolla Lodge, 8 KM nw El Mirador Trail, Alto Madre de Dios River, 800 m, 12°38.30'S 71°16.41'W, 23-26.Oct.2000, R. Brooks, Peru 1B00 102 [or 042, 070], ex: flight intercept trap, 7 spec., (1 JHAC; 4 SEMC, 2 MUSM).

Distribution: Species known from Brazil, Colombia, Costa Rica, Ecuador, Guatemala, Honduras, Panama, Peru, Venezuela (Háva, 2014, 2015).

Notes: These specimens range from lowland tropical forest to mid-elevation montane forest.

Nosodendron thompsoni Reichardt, 1976

Material examined: Peru: Dpto., Cusco, Cock of the Rock Lodge, NE Paucartambo, 13°03.3'S 71°32.7'W, 1120 m, 4-9.XI.2007, D. Brzoska, ex: flight intercept trap, PER1B07 001, 13 spec., (4 JHAC; 6 SEMC, 3 MUSM).

Distribution: Species already known from Peru (Reichardt, 1976; Háva, 2014).

Notes: This is a mid-elevation montane forest site.

Key to *Nosodendron* species known from Peru

- 1(4) Mentum without groove.
 2(3) Small species, size less than 4 mm..... *N. latifrons* Sharp, 1902
 3(2) Large species, size greater than 4 mm..... *N. angelum* Reichardt, 1973
 4(1) Mentum with groove.
 5(6) Mentum with three longitudinal grooves..... *N. politum* Sharp, 1902
 6(5) Mentum with two longitudinal grooves.
 7(8) Groove forming \cap *N. thompsoni* Reichardt, 1976
 8(7) Groove with two longitudinal stria..... *N. testudinum* Waterhouse, 1876

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References

- Bouchard, P.; Bousquet, Y.; Davies, A.E.; Alonso-Zarazaga, M.A.; Lawrence, J.F.; Lyal, Ch.H.C.; Newton, A.F.; Reid, Ch.A.M.; Schmitt, M.; Slipinski, S.A. & Smith, A.B.T. 2011. Family-group names in Coleoptera (Insecta). *ZooKeys* **88**: 1-972.
- Duellman, W.E. & Koechlin, J.E. 1991. The Reserva Cuzco Amazónico, Peru: Biological investigations, conservation, and ecotourism. *Occasional Papers of the the Museum of Natural History, University of Kansas* **142**: 1-38.
- Háva, J. 2014. Updated World Catalogue of the Nosodendridae (Coleoptera: Derodontoidea). *Heteropterus, Revista de Entomología* **14**(1): 13-24.
- Háva, J. 2015. Distributional notes on some Nosodendridae (Coleoptera) - XIII. New faunistics records. *Heteropterus, Revista de Entomología* **15**(1): 79-82.
- Háva, J. & Chaboo, C.S. 2015. Beetles (Coleoptera) of Peru: A Survey of the Families. Nosodendridae (Derodontoidea), Dermestidae, Bostrichidae (Bostrichoidea). *Journal of the Kansas Entomological Society* **88** (in press).
- Reichardt, H. 1976. Monograph of the New World Nosodendridae and Notes on the Old World forms (Coleoptera). *Papéis Avulsos de Zoologia (São Paulo)* **29**: 185-220.
- Zahradník, P. & Háva, J. 2014. Catalogue of the world genera and subgenera of the superfamilies Derodontoidea and Bostrichoidea (Coleoptera: Derodontiformia, Bostrichiformia). *Zootaxa* **3754**(4): 301-352.