

Scientific Note

First record of *Microtomus cinctipes* (Stål) (Heteroptera: Reduviidae: Hammacerinae) in Panama and a recent record of the species in Ecuador

Primera cita de *Microtomus cinctipes* (Stål) (Heteroptera: Reduviidae: Hammacerinae) en Panamá y una cita reciente de la especie en Ecuador

Torsten van der Heyden¹

¹Immenweide 83, D-22523 Hamburg, Germany. E-mail: tmvdh@web.de

ZooBank: [urn:lsid:zoobank.org:pub:9D310181-5528-446E-96EA-F3FABA456A56](https://zoobank.org/pub:9D310181-5528-446E-96EA-F3FABA456A56)

Abstract. The first record of *Microtomus cinctipes* from Panama and a recent record of the species from Ecuador are reported. Additional information on the distribution of the species is given.

Key words: Distribution, Hemiptera, Latin America, Microtominae.

Resumen. Se presentan la primera cita de *Microtomus cinctipes* de Panamá y una cita reciente de la especie de Ecuador. Se da información adicional acerca de la distribución de la especie.

Palabras clave: América Latina, distribución, Hemiptera, Microtominae.

The genus *Microtomus* Illiger, 1807 within the subfamily Hammacerinae (=Microtominae) of the Reduviidae contains twelve species and is restricted to the New World (Gil-Santana *et al.* 2015).

So far, *Microtomus cinctipes* (Stål, 1858) has been reported from Argentina, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Guyana, Nicaragua, Peru, Trinidad and Tobago, the United States of America and Venezuela (Champion 1897-1901; Stichel 1926; Costa Lima 1935; Giacchi and Coscarón 1986; Maes 1989, 1998; Maldonado Capriles 1990; Coscarón 2017).

Furthermore, Maes (1989, 1998) cited *M. cinctipes* for French Guiana, but this seems to be a misinterpretation of data taken from literature.

On 15-IV-2018, Andrés Chiodi Enrico photographed a specimen of *M. cinctipes* in Panama. The specimen was found at a tennis court in the residential complex Embassy Village, Albrook, Panama City (Lat: 8.991175, Long: -79.562664, Accuracy: 10 m) at 7:42 p.m. EDT (Fig. 1). Andrés Chiodi Enrico wrote: "It was on evening, and the tennis court was illuminated thus attracting insects from the woods/natural parks that are around the area. The specimen was steady on the floor." (personal communication). The photograph was first published in the online database iNaturalist (Chiodi Enrico 2018).

As *M. cinctipes* has not been reported for Panama in scientific publications yet, the record reported in this note is the first one for this country.

Giacchi and Coscarón (1986) reported the first record of *M. cinctipes* from Ecuador, a single male collected in June 1971 in the province of Pastaza. The presence of the species in Ecuador can be confirmed:

Received 7 April 2019 / Accepted 10 April 2019 / Published online 19 April 2019

Responsible Editor: José Mondaca E.

On 10-XI-2008, Dwain “Tukup” Holmes found a specimen of *M. cinctipes* in his house in Makuma in the province of Morona Santiago (Lat: -2.15, Long: -77.69) (Fig. 2). The photograph was first published in the online database Project Noah, as well as two other photographs of the same specimen (Holmes 2019).

The specimens were identified as *M. cinctipes* following the keys and descriptions provided by Stichel (1926), Costa Lima (1935) and Giacchi and Coscarón (1986).



Figures 1-2. Specimens of *Microtomus cinctipes* (Stål, 1858). 1. Panama City, Panama, 15-IV-2018. (Photograph: Andrés Chiodi Enrico). 2. Makuma, Morona Santiago, Ecuador, 10-XI-2008. (Photograph: Dwain Holmes).

Acknowledgements

I would like to thank Andrés Chiodi Enrico (Panama City, Panama) and Dwain “Tukup” Holmes (Makuma, Ecuador) for allowing me to use their photographs of *M. cinctipes* to illustrate this paper and for additional information about their findings. Special thanks to Hécio Gil-Santana (Rio de Janeiro, Brazil) and Jean-Michel Maes (León, Nicaragua) for helpful information and literature.

Literature Cited

- Champion, G.C. (1897-1901)** Insecta. Rhynchota. Hemiptera-Heteroptera. Vol. II. *Biologia Centrali-Americana*. R.H. Porter. London. 416 pp + 22 plates.
- Chiodi Enrico, A. (2018)** *Microtomus cinctipes*. Photograph to be found on iNaturalist [Online database]. Available from: <https://www.inaturalist.org/observations/13614246>. (Accessed: 6-IV-2019).
- Coscarón, M.C. (2017)** A catalogue of the Heteroptera (Hemiptera) or true bugs of Argentina. *Zootaxa*, 4295(1): 1-432.
- Costa Lima, A. da (1935)** Genero *Microtomus* Illiger, 1807 (Reduviidae: Microtominae). *Annaes da Academia Brasileira de Ciencias*, VII(4): 315-322.
- Giacchi, J.C. and Coscarón, M.C. (1986)** Revisión de la subfamilia Microtominae. II. *Microtomus purcis* (Drury, 1782); *M. luctuosus* (Stal, 1854) y *M. cinctipes* (Stal, 1858) (Heteroptera: Reduviidae). *Physis, Sección C*, 44(107): 103-112.
- Gil-Santana, H.R., Forero, D. and Weirauch, C. (2015)** Assassin Bugs (Reduviidae Excluding Triatominae), pp. 307-351. In: Panizzi, A.R. and Grazia, J. (eds.). *True Bugs (Heteroptera) of the Neotropics*. Springer Science+Business Media. Entomology in Focus 2. Dordrecht. 902 pp. DOI 10.1007/978-94-017-9861-7_12.

- Holmes, D. (2019)** Neotropic Kissing bug. *Microtomus cinctipes*. Photographs to be found on Project Noah [Online database]. Available from: <https://www.projectnoah.org/spotting/991498406>. (Accessed: 6-IV-2019).
- Maes, J.-M. (1989)** Catálogo de los insectos controladores biológicos en Nicaragua. Volumen I. Insectos depredadores (primera parte). *Revista Nicaraguense de Entomología*, 8: 1-106.
- Maes, J.-M. (1998)** *Insectos de Nicaragua. Volumen I*. Ministerio del Ambiente y los Recursos Naturales (MARENA). Managua. 485 pp.
- Maldonado Capriles, J. (1990)** *Systematic Catalogue of the Reduviidae of the World (Insecta: Heteroptera)*. University of Puerto Rico. Mayagüez. 694 pp.
- Stichel, W. (1926)** Die Gattung *Microtomus* Illiger (Hem., Het., Reduv.). *Deutsche Entomologische Zeitschrift*, 1926(3): 179-190.

