

Scientific Note

First record of *Microtomus luctuosus* (Stål) (Heteroptera: Reduviidae: Hammacerinae) in Honduras

Primera cita de *Microtomus luctuosus* (Stål) (Heteroptera: Reduviidae: Hammacerinae) en Honduras

Torsten van der Heyden¹

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

ZooBank: urn:lsid:zoobank.org:pub:49A9E932-FAC8-4B58-BFF4-EB67687830AD
<https://doi.org/10.35249/rce.45.2.19.10>

Abstract. The first record of *Microtomus luctuosus* from Honduras is reported. Additional information on the distribution of the species is given.

Key words: Central America, distribution, Hemiptera, Microtominae.

Resumen. Se presenta la primera cita de *Microtomus luctuosus* de Honduras. Se da información adicional acerca de la distribución de la especie.

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

Microtomus luctuosus (Stål, 1854) is one of a dozen species within the genus *Microtomus* Illiger, 1807, which belongs to the subfamily Hammacerinae (=Microtominae) of the Reduviidae and is restricted to the New World (Weirauch *et al.* 2014; Gil-Santana *et al.* 2015; van der Heyden 2019).

So far, *M. luctuosus* has been reported from Belize, Costa Rica, El Salvador, Guatemala, Mexico, Nicaragua, Panama and the United States of America (Texas) (Stål 1854; Champion 1897-1901; Stichel 1926; Costa Lima 1935; Giacchi and Coscarón 1986; Coscarón and Jirón 1988; Maes 1989, 1998; Maldonado Capriles 1990; Swanson and Chordas 2018).

Hitherto, Honduras has been the only Central American country without confirmation of the presence of *M. luctuosus* reported in scientific publications. This gap can be closed now with the following first record of the species for this country:

On 7-I-2017 at 5:45 p.m. EST, Darin J. McNeil photographed an adult specimen of *M. luctuosus* (Fig. 1). The specimen was found near San Francisco de la Paz in the department of Olancho (Lat: 14.786392, Long: -86.030633). Darin J. McNeil wrote: "The photo was taken ... within Sierra de Agalta National Park in Honduras. We were exploring the area near our camp and found this insect perched about 1 m off the ground ~ 50 m from a nearby stream. The area had only sparse canopy." (personal communication). The photograph was first published in the online database iNaturalist (McNeil 2017).

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

Received 22 April 2019 / Accepted 30 April 2019 / Published online 17 May 2019

Responsible Editor: José Mondaca E.



Figure 1. Specimen of *Microtomus luctuosus* (Stål, 1854), Sierra de Agalta National Park, Olancho, Honduras, 7-I-2017. (Photograph: Darin J. McNeil).

Acknowledgements

I would like to thank Darin J. McNeil (Ithaca, United States of America) for allowing me to use his photograph of *M. luctuosus* to illustrate this paper and for additional information about his finding.

Literature Cited

- Champion, G.C. (1897-1901)** Insecta. Rhynchota. Hemiptera-Heteroptera. Vol. II. *Biologia Centrali-Americana*. R.H. Porter. London. 416 pp + 22 plates.
- Coscarón, M.C. and Jirón, L.F. (1988)** Updated checklist of Assassin Bug species (Hemiptera: Reduviidae) of Costa Rica. *Brenesia*, 29: 107-113.
- 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.
- 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.
- McNeil, D.J. (2017)** *Microtomus luctuosus*. Photograph to be found on iNaturalist [Online database]. Available from: <https://www.inaturalist.org/observations/5205943>. (Accessed: 20-IV-2019).
- Stål, C. (1854)** Nya Hemiptera. Öfversigt af Kongliga Svenska Vetenskaps-Akademiens Förhandlingar, 11(8): 231-255.
- Stichel, W. (1926)** Die Gattung *Microtomus* Illiger (Hem., Het., Reduv.). *Deutsche Entomologische Zeitschrift*, 1926(3): 179-190.
- Swanson, D.R. and Chordas, S.W. III (2018)** Annotated list of the assassin bugs (Heteroptera: Reduviidae) of Belize, with the description of two new species. *Zootaxa*, 4500(3): 397-425.
- van der Heyden, T. (2019)** First record of *Microtomus cinctipes* (Stål) (Heteroptera: Reduviidae: Hammacerinae) in Panama and a recent record of the species in Ecuador. *Revista Chilena de Entomología*, 45(2): 201-203.
- Weirauch, C., Bérenger, J.-M., Berniker, L., Forero, D., Forthman, M., Frankenberg, S., Freedman, A., Gordon, E., Hoey-Chamberlain, R., Hwang, W.S., Marshall, S.A., Michael, A., Paiero, S.M., Udah, O., Watson, C., Yeo, M., Zhang, G. and Zhang, J. (2014)** An Illustrated Identification Key to Assassin Bug Subfamilies and Tribes (Hemiptera: Reduviidae). *Canadian Journal of Arthropod Identification*, 26: 1-115. DOI: 10.3752/cjai.2014.26.

