

NOTA BREVE

FIRST RECORD OF THE GENUS *Ocyochterus* FROM COLOMBIA  
AND NEW RECORDS OF OCHTERIDAE FROM COSTA RICA  
(HEMIPTERA:HETEROPTERA)

Primer registro del género *Ocyochterus* en Colombia y nuevos  
registros de Ochteridae en Costa Rica (Hemiptera: Heteroptera)

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**ABSTRACT**

The first Colombian record of *Ocyochterus*, expanding the previously known distributional range of the genus. Additionally, records of two species of *Ochterus* from Costa Rica are provided. The material examined is deposited at the Zoological Museum of the University of Costa Rica (MZUCR), San José, Costa Rica.

**Keywords:** Nepomorpha, Heteroptera, Central America, Colombia, velvety shore bugs.

**RESUMEN**

Se registra por primera vez *Ocyochterus* para Colombia, con lo cual se expande el rango de distribución conocido hasta el momento. Además, se proveen registros para dos especies de *Ochterus* en Costa Rica. El material examinado se encuentra depositado en el Museo de Zoología de la Universidad de Costa Rica (MZUCR), San José, Costa Rica.

**Palabras clave:** Nepomorpha, Heteroptera, Centroamérica, Colombia, chinches acuáticos.

The family Ochteridae consists of the genera, *Megochterus* Jaczewski, 1934 from Australia, *Ocyochterus* Drake and Gómez-Menor, 1954 from South America and the cosmopolitan *Ochterus* Latreille, 1807 (Menke, 1979; Cordeiro *et al.*, 2014). The latter is represented in the Western Hemisphere by 17 species described (Schell 1943; Drake 1952; Nieser and Chen 1992; Heckman 2011; Cordeiro *et al.*, 2014) with only five species recorded in the Central American region (Champion, 1901; Schell, 1943; Drake, 1952; Nieser and Chen, 1992; Cordeiro *et al.*, 2014). The genus *Ocyochterus* is monospecific, with *Ocyochterus victor* (Bolívar, 1879) being the only species so far described (Schell, 1943).

The presence of *Ocyochterus victor* is herein reported for Colombia, being the first record of this species outside Ecuador. Identification was made using information presented by Montandon (1898), Drake and Gómez-Menor (1954) and Schell (1943). One female specimen was found during a revision of the material deposited at the Entomological Collection of the Zoological Museum of the University of Costa Rica (MZUCR).

Additionally, other distributional records from Costa Rica are provided for *Ochterus viridifrons* (Champion, 1901) and *Ochterus manni* Hungerford (1927). The distribution of both species within Costa Rica was mentioned by Schell (1943), Drake (1952) and Cianferoni (2012) without specific localities, except for Schell (1943) who provides records of *O. viridifrons* from San José. Precise distributional records are herein given for both species. This other material was identified with the information provided by Champion (1901), Schell (1943) and Cianferoni (2012).



**Material examined**

*Ocyochterus victor* (Bolívar, 1879) (Fig. 1)  
 COLOMBIA, Nariño, La Planada, 1800 m.a.s.l., 9 Km south of Ricaurte. VI-1991. Col. W. Eberhard, 1♀ (dry collection, MZUCR)

*Ochterus viridifrons* (Champion, 1901) (Fig. 1)  
 COSTA RICA. Guanacaste, Bagaces, Llanos de Cortés Waterfalls, [10°31'28.84"N; 85°17'54.70"W, 85 m.a.s.l.] XII.2012. Col. Herrera & M. González, 2♂, 1♀, 3 nymphs (wet collection, MZUCR). Limón: Pocora Sur, Argentina, Río Dos Novillos, 400 m.a.s.l., 20.VI.2009. Col. Herrera, 1♀ (dry collection, MZUCR)

*Ochterus manni* (Hungerford, 1927) (Fig. 1-2)  
 COSTA RICA. Heredia, La Virgen de Sarapiquí, La Tirimbina Biological Reserve, Tirimbina river, 250 m NE of the

Secondary Station, [10°24'9.76"N; 84°06'23.62"W, 197 m.a.s.l.] VII.2012. Col. Herrera, 3♂, 2♀ (MZUCR). San José, San Pedro, 1200 m.a.s.l., 12.VII.2006. Col. A. Rojas, 1♀ (dry collection, MZUCR).

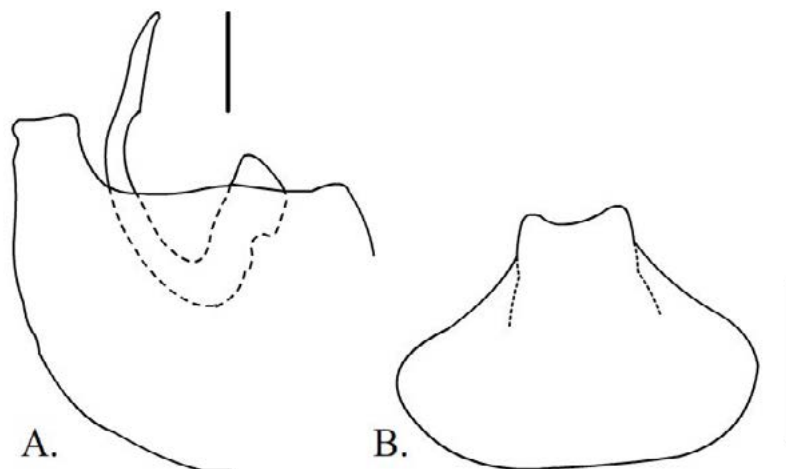
The female specimen at hand, has one hemelytron missing except for the clavus, is definitely a representative of the genus *Ocyochterus*, but if males from the same region are found and show different shape of genitalia, it might indicate the existence of a second species of the genus. This finding expands the range of the genus outside Ecuador where it was considered as endemic.

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**Figure 1.** Female specimens of Ochteridae, from left to right; *Ochterus manni* from Costa Rica, San José, San Pedro; *Ocyochterus victor* from Nariño, Colombia and *Ochterus viridifrons* from Costa Rica, Guanacaste, Bagaces, Llanos de Cortés. Minimum scale: 0.50 mm.



**Figure 2.** *Ochterus manni*. A) Male genital capsule, showing the right paramere; lateral view. Taken from a male specimen. Scale bar: 0.15 mm. B) Female subgenital plate; ventral view. Taken from female specimen. Scale bar: 0.50 mm

collecting permits and to La Tirimbina Biological Reserve for allowing collection; to Humberto Lezama (Museum of Insects of the University of Costa Rica); to Paul Hanson and Monika Springer (MZUCR) for their support and for allowing access to the collections; to Mónica González (State Distance Education University) for the help during field trips and to Fabio Cianferoni (Natural History Museum of the University of Florence, Italy) for facilitating literature.

## REFERENCES

- Champion GC. Insecta, Rhynchota. Hemiptera: Heteroptera. In: Godman FD, Salvin O, editors. *Biologia Centrali Americana*. Volume. 2. London: Taylor and Francis, 1901. 416 p.
- Cianferoni F. The Ochteridae of Ecuador, with new records and an identification key (Hemiptera: Heteroptera: Nepomorpha). *Zootaxa*. 2012;3260:62-68.
- Cordeiro IRS, Moreira FFF, Silva FAC. A new *Ochterus* (Hemiptera: Heteroptera: Ochteridae) from northeastern Brazil, with a key to the species recorded from the country. *Zootaxa*. 2014;3860:493-497. Doi: <http://dx.doi.org/10.11646/zootaxa.3860.5.8>
- Drake CJ. Concerning American Ochteridae (Hemiptera). *Fla Entomol*. 1952;5(2):72-75.
- Drake CJ, Gómez-Menor J. A new genus of American Ochteridae (Hemiptera). *EOS*. 1954;30:157-159.
- Menke AS. The semiaquatic and aquatic Hemiptera of California (Heteroptera: Hemiptera). *Bulletin of the California Insect Survey*. University of California Press. Berkeley and Los Angeles, USA. 1979. Volume 21. 176 p.
- Montandon AL. Hémiptères Hétéroptères nouveaux des collections du Muséum de Paris. *Bull Mus Hist Nat Paris*. 1898;4:72-75.
- Nieser N, Chen P. Notes on Gelastocoridae and Ochteridae (Heteroptera) with the description of five new species. *Storkia*. 1992;1:2-13.
- Schell VD. The Ochteridae (Hemiptera) of the Western Hemisphere. *J Kans Entomol Soc*. 1943;16:29-47.

