

NOTA / NOTE

Records of *Solenosthedium bilunatum* (Lefèbvre, 1827) on the Italian island of Ustica and the Spanish island of Ibiza (Hemiptera: Heteroptera: Scutelleridae).

Torsten van der Heyden

Immenweide 83. D-22523 Hamburg (GERMANY). e-mail: tmvdh@web.de

Abstract: Records of *Solenosthedium bilunatum* (Lefèbvre, 1827) (Hemiptera: Heteroptera: Scutelleridae) from the Italian island of Ustica and the Spanish island of Ibiza are reported. The European distribution of the species is summarized and discussed.

Key words: Hemiptera, Heteroptera, Scutelleridae, *Solenosthedium bilunatum*, Ibiza, Ustica, Italy, Spain, Europe, distribution.

Resumen: Citas de *Solenosthedium bilunatum* (Lefèbvre, 1827) en la isla italiana de Ustica y la isla española de Ibiza (Hemiptera: Heteroptera: Scutelleridae). Se presentan citas de *Solenosthedium bilunatum* (Lefèbvre, 1827) (Hemiptera: Heteroptera: Scutelleridae) de la isla italiana de Ustica y la isla española de Ibiza. Se resume y discute la distribución europea de la especie.

Palabras clave: Hemiptera, Heteroptera, Scutelleridae, *Solenosthedium bilunatum*, Ibiza, Ustica, Italia, España, Europa, distribución.

Recibido: 18 de agosto de 2020

Publicado on-line: 2 de septiembre de 2020

Aceptado: 25 de agosto de 2020

Solenosthedium bilunatum (Lefèbvre, 1827) (Hemiptera: Heteroptera: Scutelleridae) is a Mediterranean scutellerid belonging to the subfamily Elvisurinae. So far, the species has been reported from the following European countries: France (mainland, Corsica), Croatia (mainland, Korčula), Cyprus, Greece, Italy (mainland, Sardinia, Sicily), Malta, Portugal and Spain (mainland, Mallorca) (Josifov, 1986; Matocq & Pluot-Sigwalt, 2002; Göllner-Scheiding, 2006; Gogala, 2008; Dusoulier *et al.*, 2016; Škorput *et al.*, 2019). Dusoulier *et al.* (2016), referring to Göllner-Scheiding (2006) and Aukema *et al.* (2013), stated that *S. bilunatum* was reported from Albania, but this cannot be verified checking the mentioned publications.

Heckmann & Rieger (2001) reported a single specimen found on endive salad in a supermarket in the German city of Ludwigsburg (Baden-Württemberg). Most likely, this specimen was transported to Germany with imported vegetables from the Mediterranean Region.

On 16.08.2008, (at least) two nymphs of *S. bilunatum* (Fig. 1) were found and photographed in the southwestern part of the Italian island of Ustica by Mathia Coco. Three photos of that finding were uploaded to the online database iNaturalist.org (Coco, 2020).

Furthermore, two adult specimens of *S. bilunatum* were found on the island of Ibiza: Juan Pérez uploaded a photo of a specimen (Fig. 2) taken in 2010 in Sant Antoni de Portmany to the online database BiodiversidadVirtual.org (Pérez, 2010). On 04.03.2020, another specimen of *S. bilunatum* was photographed in the same town by J. Agustín García. The photo was uploaded to the online database iNaturalist.org (Agustín García, 2020).

These records have not been reported in scientific publications yet and seem to be the first ones for the islands of Ustica and Ibiza.

Acknowledgements

I would like to thank Mathia Coco (Palermo, Sicily, Italy) and Juan Pérez (Sant Josep de sa Talaia, Ibiza, Spain) for allowing me to use their photos of *S. bilunatum* to illustrate this paper and for additional information about their findings.

References

- Agustín García, J. 2020. *Solenosthedium bilunatum*. [Accessed: 17.08.2020]. Available from: <https://www.inaturalist.org/observations/39523973>.
- Aukema, B., Rieger, C. & Rabitsch, W. (eds.). 2013. *Catalogue of the Heteroptera of the Palaearctic Region. Volume 6. Supplement*. The Netherlands Entomological Society, Amsterdam, 629 pp.
- Coco, M. 2020. *Solenosthedium bilunatum*. [Accessed: 17.08.2020]. Available from: <https://www.inaturalist.org/observations/56650987>.
- Dusoulier, F., Claerebout, S. & Mroczko, C. 2016. Deux espèces nouvelles pour la faune de la France continentale: *Eyprepocnemis plorans* (Charpentier, 1825) et *Solenosthedium bilunatum* (Lefèbvre, 1827) (Orthoptera Acrididae et Hemiptera Scutelleridae). *L'Entomologiste* **72**(2): 121-126.
- Göllner-Scheiding, U. 2006. Family SCUTELLERIDAE Leach, 1815 - shield bugs. In: Aukema, B. & Rieger, C. (eds.). *Catalogue of the Heteroptera of the Palaearctic Region. Volume 5. Pentatomomorpha II*. The Netherlands Entomological Society, Amsterdam, 550 pp.
- Gogala, A. 2008. First record of *Solenosthedium bilunatum* (Lefebvre) (Heteroptera: Scutelleridae) for Croatia. *Entomologia Croatica* **12**(1): 81-82.
- Heckmann, R. & Rieger, C. 2001. Wanzen aus Baden-Württemberg - Ein Beitrag zur Faunistik und Ökologie der Wanzen in Baden-Württemberg (Insecta, Heteroptera). *Carolinea* **59**: 81-98.
- Josifov, M. 1986. Verzeichnis der von der Balkanhalbinsel bekannten Heteropterenarten (Insecta, Heteroptera). *Faunistische Abhandlungen Staatliches Museum für Tierkunde Dresden* **14**(6): 61-93.
- Matocq, A. & Pluot-Sigwalt, D. 2002. Notes sur *Solenosthedium bilunatum* (Lefebvre, 1827) (Heteroptera, Scutelleridae). *Bulletin mensuel de la Société linnéenne de Lyon* **71**(7): 277-284.
- Pérez, J. 2010. *Solenosthedium bilunatum*. [Accessed: 17.08.2020]. Available from: <https://www.biodiversidadvirtual.org/insectarium/Solenosthedium-bilunatum-img172455.html>.
- Škorput, J., Novak Morić, A., Martinović, M., van der Heyden, T. & Skejo, J. 2019. *Solenosthedium bilunatum* (Heteroptera: Scutelleridae) at the Adriatic Coast of Croatia. *Entomologie heute* **31**: 25-29.



Fig. 1.- Nymphs of *Solenosthedium bilunatum* (Lefèbvre, 1827), Ustica, Italy. (Photo: Mathia Coco).

Fig. 2.- Adult of *Solenosthedium bilunatum* (Lefèbvre, 1827), Sant Antoni de Portmany, Ibiza, Spain. (Photo: Juan Pérez).