

Valenzuela corsicus (Kolbe 1882) new to the Grand Duchy of Luxembourg (Psocoptera: Caeciliusidae)

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Valenzuela corsicus (Kolbe 1882) was found for the first time in the Grand Duchy of Luxembourg on 11.ix.2016 in Imbringen on common juniper.

Keywords: Barkflies, Grand Duchy of Luxembourg, *Valenzuela corsicus*.

Valenzuela corsicus (Kolbe 1882) a été trouvé pour la première fois au Grand Duché de Luxembourg le 11.ix.2016 à Imbringen sur genévrier commun.

Mots-clés: Psocoptères, Grand Duché de Luxembourg, *Valenzuela corsicus*.

1 INTRODUCTION

Psocoptera, with vernacular names booklice, barklice or barkflies, are a small order of insects, which belongs to the superorder Paraneoptera, which also includes Phthiraptera, Thysanoptera and Hemiptera. Lienhard (1998) listed 66 species of Psocoptera for the Grand Duchy of Luxembourg. Since then, *Lachesilla bernardi* Badonnel 1938 and *Pseudopsocus fusciceps* (Reuter 1893) (Schneider, 1999), *Stenopsocus lachlani* Kolbe 1880 (Schneider & Carrières, 2008), *Ectopsocus petersi* Smithers 1978 (Schneider, 2010) and *Prionoglaris stygia* Enderlein 1909 (Schneider & Weber, 2013) were added. Here, also *Valenzuela corsicus* (Kolbe 1882) is added to the fauna of the Grand Duchy of Luxembourg.

2 MATERIALS AND METHODS

Psocoptera are mostly collected by sweeping or beating the vegetation, looking under bark or by extraction from leaf litter. Most species measure only a few millimetres, so careful attention is required. The Psocoptera occurring in the Grand Duchy of Luxembourg can all be identified with the key of Lienhard (1998), of which a PDF file is freely available (www.fauunedefrance.org).

However, identification remains difficult since all European species are treated in this book and in addition, microscopic characteristics are often used, although a lot of species can be easily identified in the field. Keys such as those provided by New (2005) and Svensson & Hall (2010) are easier to use, but they are incomplete for the Grand Duchy of Luxembourg. However, we are preparing a new identification key for the species occurring in the Benelux (Lock *et al.*, in preparation), a test version of which can be sent upon request. The collected specimen of *Valenzuela corsicus* has been deposited in the collection of the Royal Belgian Institute of Natural Sciences.

3 RESULTS

One specimen of *Valenzuela corsicus* (Kolbe 1882) was found in Imbringen (49°42'30"N, 6°11'24"E, 340 m a.s.l.) on 11.ix.2016 by beating common juniper. Both sexes are macropterous and just like in *Valenzuela burmeisteri* (Brauer 1876), the postcubital vein of the forewing is setose. However, the head of *V. corsicus* is dark brown (**Figure 1**), whereas it is yellowish in *V. burmeisteri*. All other Caeciliusidae lack setae on the postcubital vein.



Figure 1: Habitus of *Valenzuela corsicus* (Kolbe 1882) (photograph: Koen Lock).

4 DISCUSSION

Valenzuela corsicus was formerly known as *Caecilius rhenanus* Tetens 1891 (i.e. Lienhard, 1998). The species had already been observed in the neighbouring countries France and Germany (Lienhard, 1998) and recently also in Belgium (Lock, in press). Its presence in the Grand Duchy of Luxembourg could therefore be expected.

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