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Bulletin de la Société royale belge d'Entomologie/Bulletin van de Koninklijke Belgische Vereniging voor Entomologie, 154 (2018): 73–74

## ***Hyalopsocus morio* (Latreille, 1794) new to the Grand Duchy of Luxembourg (Psocoptera: Psocidae)**

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### **Abstract**

*Hyalopsocus morio* (Latreille, 1794) was observed for the first time in the Grand Duchy of Luxembourg. On 26.VII.2017, one female was found near Büderscheid under bark of Plane.

**Keywords:** barkflies, Grand Duchy of Luxembourg, *Hyalopsocus morio*, Psocidae

### **Samenvatting**

*Hyalopsocus morio* (Latreille, 1794) voor het eerst in het Groothertogdom Luxemburg waargenomen. Op 26.VII.2017 werd bij Büderscheid één vrouwtje gevonden onder schors van Plataan.

### **Résumé**

*Hyalopsocus morio* (Latreille, 1794) a été observé pour la première fois au Grand-Duché de Luxembourg. Le 26.VII.2017, une femelle a été trouvée près de Büderscheid sous l'écorce de Platane à feuilles d'érable.

### **Introduction**

Psocoptera 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), *Prionoglaris stygia* Enderlein, 1909 (SCHNEIDER & WEBER, 2013) and *Valenzuela corsicus* (Kolbe, 1882) (LOCK & VAN BUTSEL, 2017) were added. Here, also *Hyalopsocus morio* (Latreille, 1794) is reported for the fauna of the Grand Duchy of Luxembourg.

### **Material and methods**

One female of *H. morio* was sampled by looking under bark of plane and was subsequently preserved in ethanol and identified using LIENHARD (1998). The collected specimen was deposited to the entomological collection of the Royal Belgian Institute of Natural Sciences (I.G.: 33.649).

### **Results**

On 26.VII.2017, one female of *H. morio* (Fig. 1) was found near Büderscheid (latitude: 49°56'8"N; longitude: 5°54'55"E, 360 m a.s.l.) under bark of Plane (*Platanus x hispanica*).

*Hyalopsocus morio* can be easily identified by the fore wings, which are dark brown in the basal half and much paler at the top (Figs 1-2). The subgenital plate is shown in Fig. 3.



Fig. 1. Habitus *Hyalopsocus morio* (Latreille, 1794) (Photo: Koen Lock).



Fig. 2. Forewing of *Hyalopsocus morio* (Latreille, 1794) (Photo: Koen Lock).



Fig. 3. Subgenital plate of *Hyalopsocus morio* (Latreille, 1794) (Photo: Koen Lock).

## Discussion

*Hyalopsocus morio* is a parthenogenetic species that mostly lives on the bark of trees, where it is usually found on old trunks that offer hiding spaces in the cracks, but it can also be present on walls or wood covered with algae (LIENHARD, 1998). The species was expected to occur in the Grand Duchy of Luxembourg, because it had already been found in Belgium, Germany and France (LIENHARD, 1998).

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