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The first record of *Lyctus cavicollis* (Coleoptera: Bostrichidae) in the Czech Republic and in Slovakia

První nález hrbohlava *Lyctus cavicollis* (Coleoptera: Bostrichidae) v České republice a na Slovensku

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Abstract. *Lyctus cavicollis* LeConte, 1866 is reported for the first time from both the Czech Republic and Slovakia.

The world fauna of the genus *Lyctus* Fabricius, 1792 includes 21 species, 12 of which are known to occur in the Palaearctic Region as native or introduced (Borowski & Wegrzynowicz 2012). *Lyctus cavicollis* LeConte, 1866, discussed here, is thought to originate from North America and has been introduced to Tasmania, Australia and Europe including Great Britain (Borowski 2007). The beetle has been present in Europe since at least 1974 (Geis 1996) and is currently naturalized in southwestern Europe, extending as far as Germany, where the species is frequently found on timber in forests (A. Lompe, pers. comm.). Numerous records from the Dresden area (coleoweb 2023) are significant for a potential occurrence of *L. cavicollis* in the northwestern part of the Czech Republic. The first record for Austria was from 1998 (Schuh et al. 2009), and for Hungary from 2005 (Merkl & Szalóki 2020) but there are not yet any records from Poland (J. Borowski, pers. comm.).

Almost all Bostrichidae have adapted to xylophagy, infesting wood of a number of unrelated tree species including bamboo (Liu 2021). Their larvae bore tunnels preferably in dry sapwood of deciduous trees and feed on the carbohydrates and starch contained in the sapwood (Hůrka 2017). Many species, especially in tropical countries, are considered as serious and damaging structural pests. The frequency of introduction of these beetles to various parts of the world rises with increasing transport of wooden articles and containers across borders. Light trapping and car netting appear to be efficient collection methods for this species (Merkl & Szalóki 2020, A. Lompe, pers. comm.).

Here, I report the first occurrence of *Lyctus cavicollis* in the Czech Republic (Fig. 1): Ostrava-Výškovice (6275), 20.vi.2023, 1 spec., Jiří Tomčík leg., det. et coll. (light trap), J. Borowski revid. (from photograph) as well as the first occurrence of the species in Slovakia: Gajary (7567), 30.vii.2021, 1 spec., Peter Kurina leg., det. et coll. (light trap), J. Borowski revid. (from photograph).

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SHRNUTÍ

Článek se věnuje prvnímu nálezu hrbohlava *Lyctus cavicollis* LeConte, 1866 v České republice a zároveň prvnímu nálezu tohoto druhu na Slovensku. Brouk původem ze severní Ameriky je v současnosti registrován jako zavlečený v Evropě, Austrálii a Tasmánii (Borowski & Wegrzynowicz 2012). V Evropě se vyskytuje minimálně od roku 1974 (Geis 1996) a postupně se šíří od jihozápadu evropským kontinentem. V současnosti již existuje celá řada nálezů z Německa, přičemž pro možný výskyt tohoto druhu v severozápadních Čechách je významná nemalá série odchytových záznamů z oblasti Drážďan (coleoweb 2023). První záchyt diskutovaného druhu v Rakousku pochází z roku 1998 (Schuh et al. 2009) a v Maďarsku z roku 2005 (Merkl & Szalóki 2020). Nový druh pro Českou republiku a též nový druh pro Slovensko.

Fig. 1. *Lyctus cavicollis* LeConte, 1866 caught in a light trap in Ostrava. Photograph by Vítězslav Kubáň.
Obr. 1. *Lyctus cavicollis* LeConte, 1866 chycený do světelné pasti v Ostravě. Fotografie Vítězslav Kubáň.