

**First country records of *Trox litoralis* and *Exomala (Trichopertha) hirtella*
(Coleoptera: Scarabaeoidea) from Austria**

**První záznamy druhů *Trox litoralis* a *Exomala (Trichopertha) hirtella* (Coleoptera:
Scarabaeoidea) z Rakouska**

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Abstract. The first reliable Austrian records, and the northernmost localities so far known, for *Trox litoralis* Pittino, 1991 from Lower Austria (“Wiener Wald” and Krems an der Donau) and *Exomala (Trichopertha) hirtella* (Brullé, 1832) from Carinthia (Villach) are presented here. The hitherto known distribution ranges of both species are summarised.

INTRODUCTION

During the preparation of an iconography and an updated checklist of Central European Scarabaeoidea, we studied some old material of Scarabaeoidea deposited in the collection of the National museum, Praha, Czech Republic. Examined specimens of *Trox litoralis* Pittino, 1991 and *Exomala (Trichopertha) hirtella* (Brullé, 1832) represent the first faunistic records of these species for Austria.

MATERIAL AND METHODS

The nomenclature used agrees with that of Pittino (2006) for Trogidae and Zorn (2006) for Scarabaeidae: Rutelinae: Anomalini, respectively. All material examined is housed in the collections of the National Museum, Praha. Exact label data are cited for the material, separate lines of the labels are separated by a single slash (/), [p] – preceding data within quotation marks indicated printed text. Our remarks and additional comments are placed in brackets.

RESULTS

Trogidae

Trox litoralis Pittino, 1991

Material examined. [Austria: Niederösterreich = Lower Austria], “Wiener Wald / R[ichard]. Wawerka [p]”, 1 spec.; [Austria: Niederösterreich = Lower Austria], “Austr[ia]. inf[er]ior. / Umg[ebung]. Krems a[n] der]. D[onau] / Th[eodor] v[on] Wanka [p]”, 1 spec.

Distribution range. *Trox litoralis* was described relatively recently by Pittino (1991) from Italy, where it is relatively widely distributed. It is also recorded from the Balkan Peninsula (Albania, Bosnia and Herzegovina, Croatia, Greece (including Crete) and Montenegro, as well as Malta and both European and Asian parts of Turkey (cf. e.g., Baraud 1992, Carpaneto et al. 2000, Pittino 1991, 2006). The northernmost records are so far known from Croatia: Cres Is. and Velebit Mts. (Pittino 1991) and from Slovenia (D. Král, unpubl. data). The species was probably introduced to Algeria (Pittino 1991, 2006). According to Pittino (1991) its presence in Spain, southern France and Austria (based on old museum specimens) is not reliable, possibly due to incorrect locality labels, while the generic labelling of old specimens with “Austria” may refer to formerly Austrian territories in modern Italy, Croatia or Slovenia. On the other hand, old records of *T. hispidus* (Pontoppidan, 1763) are probably frequently confused with those of *T. litoralis* in the literature (e.g., Horion 1958 etc.). The records presented here represent the first reliable country records of *T. litoralis* from Austria and so far the northernmost known occurrences of the species.

Notes on collectors. Theodor Wanka von Lenzenheim (1871–1932) was a judicial officer and an amateur entomologist living in Ostrava and Opava. According to Kolečka (1995), Wanka made several entomological trips to Krems an der Donau in 1920, 1925, 1930 and 1931. Very probably, his specimen of *Trox litoralis* examined by us was collected during one of these expeditions.

Railway officer Richard Wawerka (1856–??) was an amateur lepidopterist and coleopterist predominantly active in the Ostrava and Opava regions. His faunistic surveys of butterflies and beetles were published in two studies: “Die Lepidopterenfauna des Ostrau-Karwiner Kohlenreviers” (1911) and in the years 1927–1936 as sequel series “Die Lepidopterenfauna und Coleopterenfauna des Ostrau-Karwiner Kohlenreviers” (for details, see Kolečka 1995). We have no data about his collecting activities in Austria. However, his dates of activity suggest that the second specimen of *T. litoralis* was almost certainly collected in the first half of the 20th century.

Scarabaeidae: Rutelinae: Anomalini

Exomala (Trichopertha) hirtella (Brullé, 1832)

Material examined. [Austria: Kärnten = Carinthia], “Villach [p]”, 1 spec.

Distribution range. *Exomala (Trichopertha) hirtella* is widely distributed species in the southern part of the Balkan Peninsula (Albania, southern Bulgaria, Greece, Macedonia, Montenegro) and Turkey – cf. e.g., Baraud 1992, Bunalski 2001, Medvedev 1949, Mikšić 1953, 1957, 1959, 1965, 1970, Petrovitz 1969, Rey 1999, Zorn 2006) and the western part of the Asian Turkey (Carpaneto et al. 2000, Rozner & Rozner 2009, Zorn 2006). It is known to penetrate northwards to Bosnia and Herzegovina: Grab, Jablanica, Prenj (Mikšić 1953), Serbia: Kapaonik (Mikšić 1957) and Majdanpek (Živojinović 1950, repeated by Mikšić 1953), Croatia: “južna Dalmacija [= southern Dalmatia]” (Novak 1952, repeated by Mikšić 1953, 1965, 1970) and Romania: Banat: Moldova Novă (Panin 1955, repeated by Chimişliu 2002, 2007) but has not yet been recorded from Slovenia (Brelj et al. 2010). The specimen discussed is the first country record from Austria, and so far the northernmost known occurrence of the species.

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SOUHRN

V rámci přípravy ikonografie a aktualizovaného seznamu středoevropských listorohých brouků jsme měli možnost studovat staré dokladové exempláře dvou druhů listorohých brouků sbírané na území Rakouska, uložené ve sbírce Národního muzea v Praze. Jedná se o druhy *Trox litoralis* a *Exomala (Trichopertha) hirtella*. Oba druhy jsou pro Rakousko nové.

Druh *Trox litoralis* byl popsán poměrně nedávno (Pittino 1991) z Itálie, kde je relativně široce rozšířen. Další údaje jsou známy z Balkánského poloostrova (Albánie, Bosna a Hercegovina, Chorvatsko, Řecko včetně Kréty, Černá Hora a Turecko), Malty a asijské části Turecka (srovnej např. Baraud 1992, Carpaneto et al. 2000, Pittino 1991, 2006). Nejsevernější výskyt byl doposud znám z Chorvatska: ostrov Cres a pohoří Velebit (Pittino 1991) a ze Slovinska (D. Král, nepublikovaná data). Druh byl dále pravděpodobně zavlečen do severní Afriky (Alžír) (Pittino 1991, 2006). Podle tohoto autora (Pittino 1991) je přítomnost druhu ve Španělsku, jižní Francii a Rakousku (doložená starými muzejními exempláři) velmi nepravděpodobná, zřejmě díky záměně lokálních štítků, nebo proto, že označení „Austria“ mohlo zahrnovat i území dnešní Itálie, Chorvatska nebo Slovinska. Naproti tomu nálezy *T. hispidus* publikované ve starší literatuře by se ve skutečnosti v některých případech mohly týkat druhu *T. litoralis* (např. Horion 1958). Předložené nálezy představují první spolehlivé údaje o výskytu *T. litoralis* na území Rakouska, a v současnosti nejsevernější známé body jeho rozšíření.

Exomala (Trichopertha) hirtella je druh široce rozšířený v jižní části Balkánského poloostrova (Albánie, jižní Bulharsko, Řecko, Makedonie, Černá Hora a Turecko – cf. např. Baraud 1992, Bunalski 2001, Medvedev 1949, Mikšić 1953, 1957, 1959, 1965, 1970, Petrovitz 1969, Rey 1999, Zorn 2006) a v západní polovině asijské části Turecka (Carpaneto et al. 2000, Rozner & Rozner 2009, Zorn 2006). Na sever druh zasahuje do Bosny a Hercegoviny: Grab, Jablanica, Prenj (Mikšić 1953), Srbska: Kapaonik (Mikšić 1957) a Majdanpek (Živojinović 1950, opakuje Mikšić 1953), Chorvatska: „južna Dalmacija“ (Novak 1952, opakuje Mikšić 1953, 1965, 1970) a do Rumunska: Banát: Moldova Nuova (Panin 1955, opakuje Chimişliu 2002, 2007), avšak dosud nebyl zaznamenán ze Slovinska (Brelj et al. 2010). Předložený nález je prvním publikovaným údajem z Rakouska, a představuje nejsevernější známý výskyt druhu v rámci svého přirozeného areálu rozšíření.