

Sborník Jihočeského muzea v Českých Budějovicích Přírodní vědy

Acta Musei Bohemiae Meridionalis in České Budějovice – Scientiae naturales

Sbor. Jihočes. Muz. v Čes. Budějovicích, Přír. vědy	50	167 – 169	2010
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First record of blastobasid moth *Blastobasis huemeri* Sinev, 1993 in Southern Bohemia and additional information on its spreading in the Czech Republic (Lepidoptera, Blastobasidae)

Drsnohřbetka *Blastobasis huemeri* Sinev, 1993 poprvé v jižních Čechách a doplňující informace k jejímu šíření v České republice (Lepidoptera, Blastobasidae)

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Abstract. The paper summarizes the faunistic data of *Blastobasis huemeri* Sinev, 1993 (Lepidoptera, Blastobasidae) in the Czech Republic and provides the first evidence of its occurrence in southern Bohemia. Number of recent records in the Czech Republic confirms spreading from South into central Europe.

Key words. Lepidoptera, *Blastobasis huemeri*, spreading, faunistics, Czech Republic

Abstrakt. Příspěvek shrnuje faunistická data drsnohřbetky *Blastobasis huemeri* Sinev, 1993 (Lepidoptera, Blastobasidae) v České republice a přináší první doklad o jejím výskytu v jižních Čechách. Množství nálezů v České republice z posledních let je důsledkem jejího šíření z jihu do střední Evropy.

Klíčová slova. Lepidoptera, *Blastobasis huemeri*, šíření, faunistika, Česká republika

Introduction

Blastobasis huemeri Sinev, 1993 has been described from southern Europe (Croatia and northern Italy). The species was later found in Hungary (PASTORALIS & al. 2000) and in Austria (HUEMER 2000, HABELER 1999). The first record from the Czech Republic is known from Kobyíl (Moravia) in 2003 (LIŠKA & al. 2005). The first evidence of *B. huemeri* occurrence in Bohemia originates from Kunětická hora and Dobruška, 2008 (ŠUMPICH & al. 2009).

Material and methods

The review of faunistic data is partly based on already published records and partly on unpublished data. Four-digit codes of faunistic map fields are taken after PRUNER & MÍKA (1996).

Results – overview of localities of *Blastobasis huemeri* in the Czech Republic

Bohemia: 5662: Dobruška – Pulice, 2008 (Maršík L. leg., ŠUMPICH & al. 2009). – **5960:** Kunětica – Kunětická hora, 2008 (Mikát M. leg., ŠUMPICH & al. 2009). – **7354:** Novohradské hory Mts., Pohoří na Šumavě env., Myslivna Nature Reserve, 4.vii.2009, 1 spec., J. Šumpich leg., det. et coll.

Moravia: 5869: Hrubý Jeseník Mts., Skalní potok, 1.vii.2007, 1 spec., J. Sitek leg., det. et coll. – **6265:** Nová Ves near Moravská Třebová, Pod skalou Natural Monument, 2008 (J. Šumpich leg., ŠUMPICH & al. 2009). – **6863:** Ketkovice, Údolí Oslavy a Chvojnice Nature Reserve, 2005 (J. Šumpich leg., ŠUMPICH 2007); Dukovany, Dukovanský mlýn Nature Reserve, 30.vii.2009, 4 spec., J. Šumpich & I. Dvořák leg., det. et coll. – **7065:** Pouzdřany, 16.viii.2007, 1 spec., 24.viii.2007, 1 spec., J. Sitek leg., det. et coll. – **7066:** Kobylí – Zázmoníky, 2003 (J. Liška leg., LIŠKA & al. 2005), 2005 (J. Liška & J. Šumpich observ., ŠUMPICH 2007). – **7161:** National Park Podyjí, Šobes, 2005, 2006, Hardeggská stráň, 2006, Hardeggská vyhlídka, 2006 (all J. Šumpich leg., ŠUMPICH 2007). – **7165:** Pálava Hills, Děvín – Kotel – Soutěska National Nature Reserve, 2005 (J. Šumpich leg., ŠUMPICH 2007). – **7397:** Lanžhot – Soutok, 28.vii.2005, 1 spec., J. Šumpich leg., det. et coll.

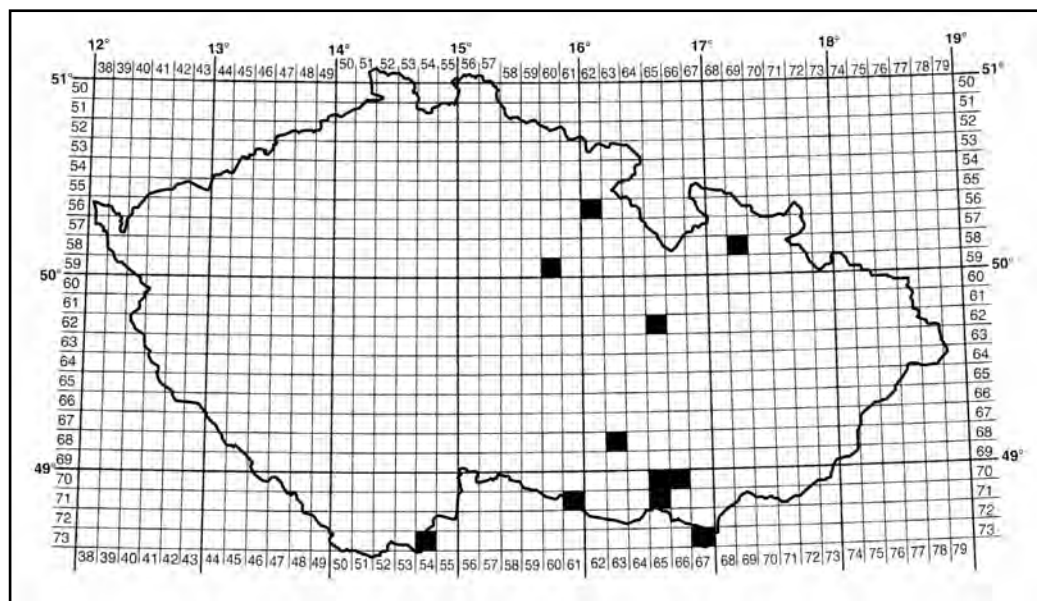


Fig. 1 – Map with marked localities of *Blastobasis huemeri* Sinev, 1993 in the Czech Republic.

Discussion and conclusions

On the base of present knowledge, the blastobasid moth *Blastobasis huemeri* Sinev, 1993 occurs on the European continent only (SINEV 2007). Habitually it is very close to an American species *Blastobasis glandulella* (Riley, 1871) (HODGES 1978), but it can be distinguished very easily by genitalia characters (cf. McDUNNOUGH 1961, SINEV 1993).

In recent years *B. huemeri* has been spreading from southern Europe in the north direction to the central Europe. Developmental stages, host plants and bionomics of *B. huemeri* are not known.

In the Czech Republic populations of *B. huemeri* occupied mostly xerotherme and sun-exposed habitats of southern Moravia where it is often very abundant. However, recently it has been found also in less typical localities in the mountain area of Hrubý Jeseník Mts. and Novohradské hory Mts. The record from the Novohradské hory Mts. at an altitude of 900 m is the first discovery of *B. huemeri* in southern Bohemia and we can expect further spreading in this area.

Acknowledgements. I wish to thank J. Jaroš and K. Spitzer for stylistic revision. Thanks are given to J. Sitek for providing additional faunistic data.

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Fig. 2 – *Blastobasis huemeri* Sinev, 1993 from Myslivna Nature Reserve in Novohradské hory Mts. in southern Bohemia.



Fig. 3 – *Blastobasis huemeri* Sinev, 1993 from Pálava Hills in southern Moravia.

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Obr. 1 – *Triturus cristatus*



Obr. 2 – *Rana arvalis*



Obr. 3 – Hybridní amplexus skokana a ropuchy



Obr. 4 – *Pelophylax lessonae*