

New records of featherwing beetles (Coleoptera: Ptiliidae) from the Czech Republic and Slovakia, Part 2

Nové údaje o rozšíření pírníků (Coleoptera: Ptiliidae) v České republice a na Slovensku, 2. část

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Abstract. New records of six species of featherwing beetles (Coleoptera: Ptiliidae) are reported from the Czech Republic and Slovakia. *Acrotichis arnoldi* Roskoth, 1935, *Micridium angulicollis* (Fairmaire, 1857) and *Ptinella britannica* A. Matthews, 1858 are reported for the first time from the Czech Republic. *Acrotichis parva* Roskoth, 1935 is reported for the first time from Bohemia. *Actidium boudieri* (Allibert, 1844) is reported for the first time from Slovakia. *Microptilium pulchellum* (Allibert, 1844) is reported from Slovakia after more than 90 years.

INTRODUCTION

The featherwing beetles (Ptiliidae) is a group of staphylinoid beetles, represented in Europe by 139 species (Sörensson 2016). The most recent information about the distribution of ptiliids in the Palaearctic Region can be found in Sörensson (2015, 2016). Sixty-five species are currently known from the Czech Republic (Jelínek 1993, Sörensson & Růžička 2001, Sörensson 2016, Nakládal et al. 2017, Čížek & Růžička 2019, Čížek 2019a,b), and 58 species from Slovakia (Jelínek 1993, Nakládal et al. 2009, Sörensson 2016, Čížek & Růžička 2019).

The current paper is a continuation of Čížek & Růžička (2019), and provides additional information on the distribution of several species of Ptiliidae not previously reported from the Czech Republic (or from Bohemia) and Slovakia.

MATERIAL AND METHODS

Habitus photographs were taken using a Canon EOS 1300D digital camera mounted on an Olympus SZ60 stereoscopic microscope. The nomenclature follows Sörensson (2015). Faunistic square codes follow Pruner & Mika (1996). Specimens are deposited in the following collections:

KR – collection of Karel Rébl, Nové Strašecí, Czech Republic;

MS – collection of Mikael Sörensson, Lund, Sweden;

PČ – collection of Petr Čížek, Žamberk, Czech Republic.

RESULTS

Actidium boudieri (Allibert, 1844)
(Fig. 1)

Material examined. Slovakia mer.: Čičov (8272), 23.ix.2018, sift of detritus in a dry pool in the Danube floodplain, P. Čížek leg. and det., 2 ♂♂, 2 ♀♀ (PČ).

Distribution. Western Palaearctic species, reported from Austria, Croatia, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Kyrgyzstan, Latvia, Poland, Romania, Russia (European part, West Siberia) and Switzerland (Sörensson 2015). First record from Slovakia.

Micridium angulicolle (Fairmaire, 1857)
(Fig. 2)

Material examined. Czech Republic, Bohemia centr.: Lány (5849), 16.vii.2015, sifting wood fragments at the base of a beech tree (*Fagus sylvatica*) at the edge of an acidophilous beech forest and pasture, K. Rébl leg., P. Čížek det., 1 spec. (PČ).

Comments. Very rare ptiliid species, only known from a few European records (Sörensson & Clayhills 2017).

Distribution. European species, reported from Austria, France, Italy, Slovakia and Sweden (Sörensson 2015), recently reported also from Finland (Sörensson & Clayhills 2017). First record from the Czech Republic.

Ptinella britannica A. Matthews, 1858
(Fig. 4)

Material examined. Czech Republic, Moravia occ.: Mladeč (6268), Hejtmanka Nature Reserve, 27.vi.2018, 3 spec., 7.vii.2018, 2 spec., 18.viii.2018, 2 spec., in an overgrown muddy sand bank of the Morava River, all P. Čížek leg. and det. (PČ); same data, M. Sörensson revid., 1 spec. (MS).

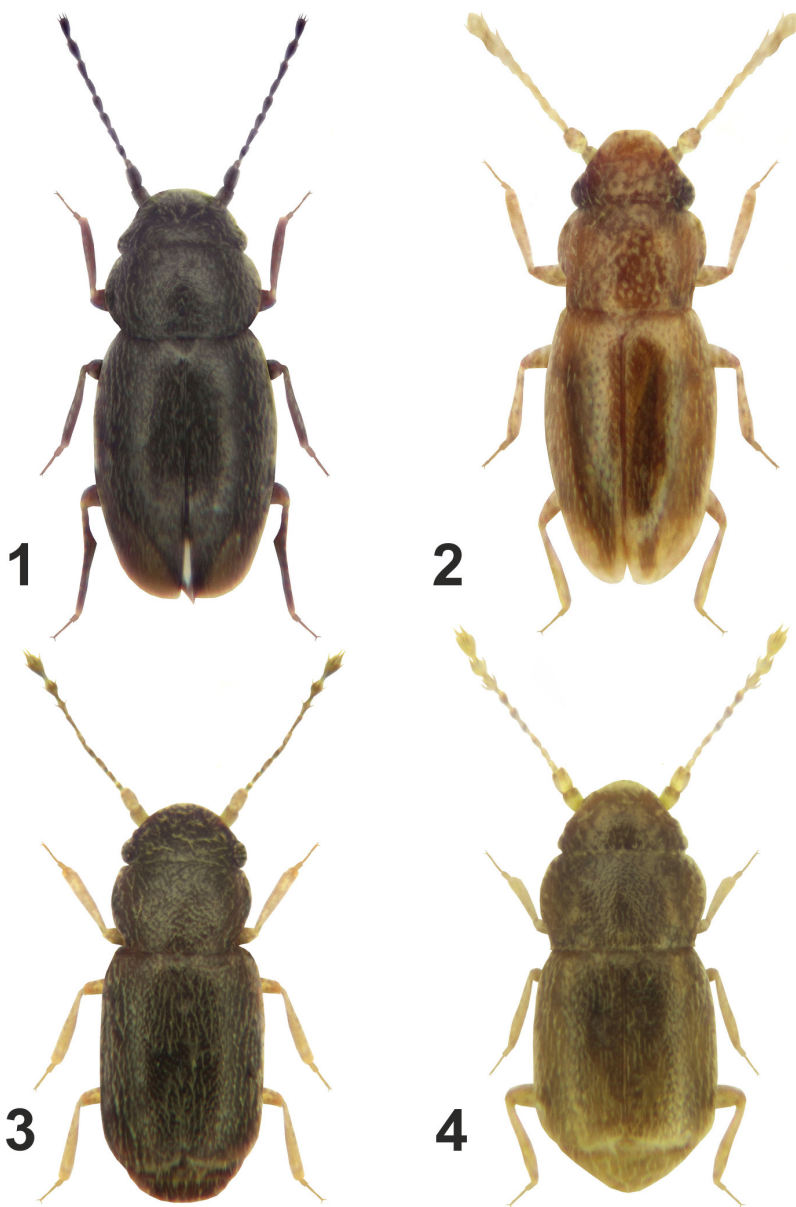
Comments. We collected this species together with *Ptenidium longicorne* Fuss, 1868, *P. reitteri* Flach, 1887 and *Smicrus filicornis* (Fairmaire et Laboulbène, 1855). Repeatedly reported from nests of *Talpa europaea* Linnaeus, 1758; see Besuchet (1976).

Distribution. Holarctic species, in western Palaearctic reported from Azerbaijan, Austria, Denmark, France, Germany, Great Britain, Hungary, Italy, Netherlands, Sweden and Switzerland (Sörensson 2015). First record from the Czech Republic.

Microptilium pulchellum (Allibert, 1844)
(Fig. 3)

Material examined. Slovakia mer.: Čičov (8272), 23.ix.2018, sift of detritus in a dry pool in the Danube floodplain, P. Čížek leg. and det., 1 ♂ (PČ).

Distribution. Western Palaearctic species, reported from Austria, Croatia, France, Germany, Great Britain, Hungary, Italy, Morocco, Slovakia and Turkey (Sörensson 2015). From Slovakia,



Figs 1–4. Habitus in dorsal view: 1 – *Actidium boudieri* (Allibert, 1844) (body length 0.63 mm); 2 – *Micridium angulicolle* (Fairmaire, 1857) (body length 0.58 mm); 3 – *Microptilium pulchellum* (Allibert, 1844) (body length 0.71 mm); 4 – *Ptinella britannica* A. Matthews, 1858 (body length 0.74 mm). Photograph by Petr Čížek.
 Obr. 1–4. Habitus v dorzálním pohledu: 1 – *Actidium boudieri* (Allibert, 1844) (délka těla 0,63 mm); 2 – *Micridium angulicolle* (Fairmaire, 1857) (délka těla 0,58 mm); 3 – *Microptilium pulchellum* (Allibert, 1844) (délka těla 0,71 mm); 4 – *Ptinella britannica* A. Matthews, 1858 (délka těla 0,74 mm). Fotografie Petr Čížek.

this rare ptiliid species was only reported in 1924 by Roubal (1930). Confirmed occurrence in Slovakia after more than 90 years.

Acrotrichis arnoldi Rosskothén, 1935

Material examined. Czech Republic: Bohemia occ., Šumava Mts., Kvilda env., Tetřev Hill (6947), 26.vii.2014, sifting of old hay and grass from meadows at dump in forest, K. Rébl leg., 1 ♀ (KR); Bohemia centr., Nové Strašecí env., Ruda (5849), 26.viii.2016, on UV-light at the Maxovna gamekeeper's lodge, K. Rébl leg., 1 ♀ (KR); Bohemia or., Kunvald (5865), 22.ix.2016, in cow dung, P. Čížek leg., 1 ♀ (PČ). All specimens P. Čížek det.

Distribution. European species, known only from a handful of European countries (Austria, Denmark, Germany, Great Britain, Hungary, Italy, Liechtenstein, Sweden) (Sörensson 2015), recently reported from Slovakia (Čížek & Růžicka 2019). First record from the Czech Republic.

Acrotrichis parva Rosskothén, 1935

Material examined. Czech Republic, Bohemia occ., Šumava Mts., Kvilda env., Tetřev Hill (6947), 2.viii.2015, sifting of old hay and grass from meadows at dump in forest, K. Rébl lgt., P. Čížek det., 1 ♀ (KR).

Distribution. Species distributed through western Palaearctic region, but also known from East Siberia, Mongolia and the Nearctic Region (Sörensson 2015). In the Czech Republic, reported only from Moravia (Sörensson 2016, Čížek & Růžicka 2019). First record from Bohemia.

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SOUHRN

Čeled' pírníkovití (Ptiliidae) je skupina staphylinoidních brouků, z území Evropy je v současné době známo 139 druhů (Sörensson 2016). Nejnovější informace o rozšíření pírníků v palearktické oblasti shrnují práce Sörenssona (2015, 2016). Z České republiky je v současnosti známo 65 druhů (Sörensson 2016, Nakládal et al. 2017, Čížek & Růžička 2019, Čížek 2019a,b), ze Slovenska je hlášeno 58 druhů (Sörensson 2016, Čížek & Růžička 2019). Předkládaná práce přináší nové údaje o rozšíření šesti druhů pírníků v České republice a na Slovensku. Druhy *Acrotrichis arnoldi* Rosskothén, 1935, *Micridium angulicolle* (Fairmaire, 1857) (obr. 2) a *Ptinella britannica* A. Matthews, 1858 (obr. 4) jsou poprvé hlášeny z území České republiky. *Acrotrichis parva* Rosskothén, 1935 je poprvé hlášen z Čech, z Moravy jej recentně hlásí Sörensson (2016) a Čížek & Růžička (2019). *Actidium boudieri* (Allibert, 1844) (obr. 1) je poprvé uvedeno ze Slovenska. Výskyt druhu *Microptilium pulchellum* (Allibert, 1844) (obr. 3) na Slovensku je potvrzen po téměř 90 letech, druh ze Slovenska uváděl pouze Roubal (1930) na základě materiálu, sebraného v roce 1924.