

Norellisoma jelineki sp. nov. – a new species from the Czech Republic (Diptera: Scathophagidae)

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Abstract. A new species of Scathophagidae, *Norellisoma jelineki* sp. nov., is described from the Czech Republic and its important diagnostic characters are figured.

Key words. Diptera, Scathophagidae, *Norellisoma*, new species, taxonomy, Palaearctic region, Czech Republic

Introduction

The family Scathophagidae, with about 270 described species, is all but limited to the Holarctic region; about 170 species are known from the Palaearctic region. Recently, eighteen species of the genus *Norellisoma* Wahlgren, 1917, have been described or redescribed in the Palaearctic region. So far, eight species of the genus *Norellisoma* have been mentioned or described from the Czech and Slovak Republics (GORODKOV 1986, ŠIFNER 1997, 2003a,b). In the present paper I describe a new species, which becomes the ninth recorded from the Czech Republic.

All localities are provided with the numerical codes of the faunistic grid mapping according to ZELENÝ (1972).

Taxonomy

Norellisoma jelineki sp. nov.

(Figs. 1-5)

Type material. HOLOTYPE: ♂, **CZECH REPUBLIC:** BOHEMIA occ., Sokolov coal-mining area, Chodov – Mírová (5742), Chodovský potok brook, 50°14'08"N 12°47'49"E, meandering, polluted brook, with alders on the banks, Malaise trap, 3.viii.2005, P. Chvojka, J. Ježek & J. Macek leg. ALLOTYPE: ♀, **CZECH REPUBLIC:** MORAVIA mer., Bílé Karpaty Protected Landscape Area, Strání (7072), Svinárský potok brook, 48°52'00"N 17°40'37"E, beech wood, Malaise trap, 27.viii.2005, P. Chvojka, J. Ježek & J. Macek leg. The types are deposited in the collection of the National Museum in Praha.

Diagnosis. Body length 8-10 mm, yellow to brown in primary colour, scutum distinctly darkened dorsally, scutellum yellow, proepimeron distinctly darkened with yellowish central part.

Head. Two orbital setae, 2-3 frontal setae, frontal vitta in upper part brown, in lower part yellow, parafacials yellow, face and genae yellow-white, antennae completely yellow, arista distinctly black and sparsely pubescent; only one long vibrissal seta present; palpi yellow.

Thorax. Acrostichal setae very sparse and almost invisible, five dorsocentral setae (2 + 3), one humeral seta, two intraalar setae and one short supraalar seta, one postalar seta, one pair of discal scutellar setae, one pair of very short, hair-like, apical discal setae, two notopleural setae (posterior one distinctly shorter), one proepimeral seta, one very short anepisternal seta, hair-like prostigmal setae, and one katapisternal seta; all femora, tibiae and tarsomeres yellow; wings hyaline, veins yellow to brown and only weakly distinct.

Abdomen. Male – 4th sternite more or less square-shaped, proximally slightly concave and with sparse bristles; lobes of 5th sternite short, arched laterally, hairy, covered with dense thorns medially and apically (Fig. 1); praegonite narrowed with three bristles: two long and fine apical ones and one lateral projecting at a right angle to the apical ones (Fig. 2). Female – 6th sternite more or less oval with distinct and slender proximal projection; 7th sternite divided into two distinct sclerites caudally (Fig. 3-4); 8th sternite with six thorns, four marginal and two submarginal (Fig. 5).

Differential diagnosis. *Norellisoma jelineki* sp. nov. differs from the two nearest species, *N. spinimanum* (Fallén, 1819) and *N. alpestre* (Schiner, 1864), by the following characters:

Norellisoma jelineki sp. nov. – wing veins only weakly distinct, praegonite of male with two apical bristles and one external lateral bristle, 4th abdominal sternite with a distinct projection, lobes of 5th abdominal sternite short and arched laterally, 8th abdominal sternite of female with six thorns.

Norellisoma spinimanum – wing veins darkened, praegonite of male with three apical bristles, 4th abdominal sternite rectangular, lobes of 5th abdominal sternite long, narrow and slightly arched inwards, 8th abdominal sternite of female with seven to nine thorns (cf. ŠIFNER 2003a, p. 29).

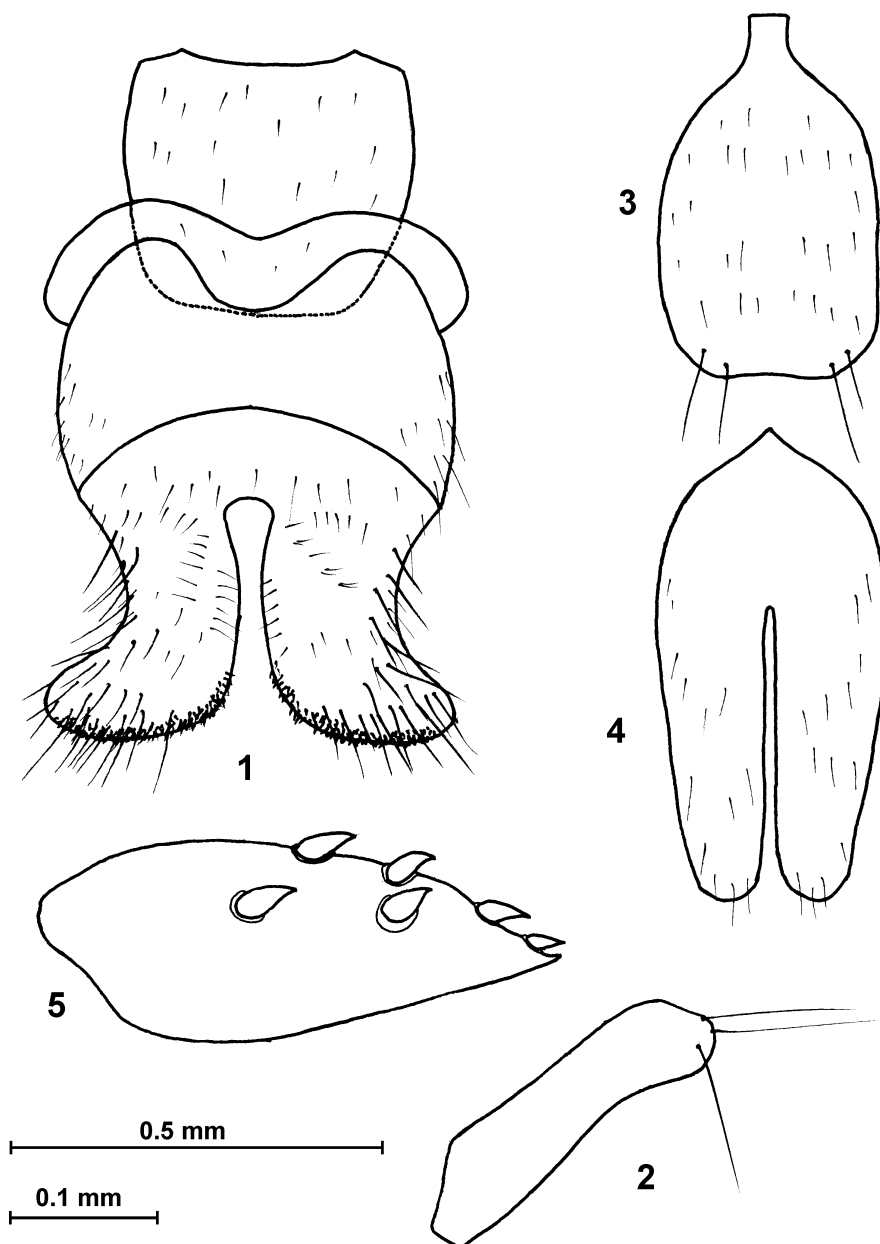
Norellisoma alpestre – wing veins dark, praegonite of male with three apical bristles, 4th abdominal sternite rectangular, lobes of 5th abdominal sternite narrow and pointed apically, 8th abdominal sternite with five thorns (cf. ŠIFNER 2003a, p. 24).

Etymology. Dedicated to the Czech coleopterologist Josef Jelínek (Department of Entomology, National Museum, Praha).

Distribution. Czech Republic.

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Figs. 1-5. *Norellisoma jelineki* sp. nov. 1-2 – male, holotype. 1 – 4th and 5th abdominal sternites; 2 – praegonite. 3-5 – female, allotype. 3 – 6th abdominal sternite; 4 – 7th abdominal sternite; 5 – 8th abdominal sternite with six thorns. Scale bars = 0.5 mm (Figs. 1, 3, 4); 0.1 mm (Fig. 2).

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