

GASTRALLUS MICHALSKII SP. NOV., A NEW SPECIES OF TRIBE GASTRALLINI (COLEOPTERA: PTINIDAE) FROM EOCENE BALTIC AMBER

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Gastrallus michalskii sp. nov. from Eocene Baltic amber is described, illustrated and compared with similar species of the tribe Gastrallini from the amber.

Key words: taxonomy, new species, fossil species, Coleoptera, Ptinidae, Baltic amber, Poland.

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INTRODUCTION

The genus *Gastrallus* Jacquelin du Val, 1860 recently contains almost 90 species distributed worldwide (Zahradník 2009). In Baltic amber, only two species are known belonging to tribe Gastrallini, *Gastrallus zjantaru* Zahradník & Háva, 2014 and *Falsolegastrallus groehni* Háva & Zahradník, 2019. The present work offers a description of a further species from Baltic amber found in Poland.

MATERIAL AND METHODS

The habitus photograph was made by a digital camera using Canon EOS 4000D on stereobinocular microscope Nikon SMZ800 + SMZ1500 + PLAN APO lens.

The following measurements were made:

Total length (TL) - linear distance from head to apex of elytra.

Elytral width (EW) - maximum linear transverse distance.

The specimen of the presently described species is provided with a red, printed label with the text as follows: „HOLOTYPE *Gastrallus michalskii* sp. nov. J. Háva & P. Zahradník det. 2019”.

The holotype is deposited in JHAC - Private Entomological Laboratory and Collection, Jiří Háva, Únětice u Prahy, Prague west, Czech Republic.

DESCRIPTION

Family Ptinidae
Subfamily Anobiinae
Tribe Gastrallini White, 1982

***Gastrallus michalskii* sp. nov.**

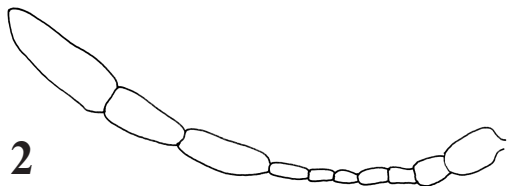
(Figs. 1-2)

Type material. Holotype (unsexed): Amber inclusion No. 5295, Poland, Gdansk city area, (JHAC).

Description of holotype. Measurements (mm): TL 3.2 EW 1.6. Body piceous, covered by very short setation, very convex transversally (Fig. 1). Antennae and legs black. Head evenly convex, matt, finely punctured. Eyes large, slightly globular. Antennae with 10 antennomeres (Fig. 2). Pronotum transverse, strongly convex, without bump. Lateral margin visible, with very small denticles. Surface of pronotum matt, finely punctured on disc, coarsely punctured laterally. Scutellum trapezoidal, slightly wider than long. Elytra matt, with double punctuation - the first is coarse and sparse, the second is fine and dense, with fine striae, lateral striae more distinct. Epipleuron coarsely punctured. Metasternum finely punctured. Abdominal visible ventrites finely punctured with short setation; first and second sternites broad, third and fourth sternites narrow, fifth sternite broad.



1



2

Figs. 1-2. *Gastrallus michalskii* sp. nov. (holotype): 1- body, lateral aspect; 2- antenna.

Differential diagnosis. The new species belongs to the genus *Gastrallus* Jacquelin du Val, 1860. The genus recently contains almost 90 species distributed worldwide (Zahradník 2009). The new species differs from two amber species *Gastrallus zjantaru* Zahradník & Háva, 2014 and *Falsogastralus groehni* Háva & Zahradník, 2019 as follows:

1(2) abdomen with four visible ventrites
Falsogastralus groehni Háva & Zahradník, 2019
 2(1) abdomen with five visible ventrites
 3(4) longitudinal ledge on each elytron present (Fig. 3)
 ...*Gastrallus zjantaru* Zahradník & Háva, 2014
 4(3) longitudinal ledge on each elytron absent (Fig. 1).....*Gastrallus michalskii* sp. nov.

Name derivation. Dedicated to amber specialist Artur Michalski (Wroclaw, Poland).

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Fig. 3. *Gastrallus zjantaru* Zahradník & Háva, 2014 (holotype) - body, lateral aspect.

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