

Two new species of the genus *Xyletinus* Latreille, 1809 from Eocene Baltic Amber (Coleoptera: Bostrichoidea: Ptinidae)

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Abstract. Two new species, *Xyletinus (Xyletinus) michalskii* sp. nov. and *Xyletinus (Xyletinus) arturi* sp. nov. from Poland, Eocene Baltic Amber, are described, illustrated and compared with other known fossil *Xyletinus* species.

INTRODUCTION

The genus *Xyletinus* Latreille, 1809 consists of six subgenera (Zahradník & Háva 2014a). The representatives of the genus were reliably reported in Baltic amber since beginning of 20th century (Klebs 1910) and later (Hieke & Pietrzeniuk 1984; Zahradník & Háva 2014b), but no species have been formally described. Alekseev & Bukejs (2019) recently published two new species from Baltic amber. In the present paper, next two new fossil species of *Xyletinus* are described.

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.

Each specimen of the new species described here is provided with a red, printed label showing the following text: Holotype *Xyletinus (Xyletinus) michalskii* sp. nov. J. Háva & P. Zahradník det. 2019 or Holotype *Xyletinus (Xyletinus) arturi* sp. nov. J. Háva & P. Zahradník det. 2019.

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

RESULTS

***Xyletinus (Xyletinus) michalskii* sp. nov.** (Figs. 1-2)

Type material. Holotype (unsexed): Amber inclusion No. 4679. Poland, Gdansk city area, (JHAC).

Type horizon. Baltic Amber, Upper or mid-Eocene.

Description of holotype. Body shortly elongate, transversally and longitudinally convex, body length 2.4 mm, the greatest width 0.8 mm. Piceous brown, pronotum, head, antennae and legs slightly lighter. (Fig. 1).

Head hypognathous, almost flattened, finely punctuated, punctures almost touched. Frons twice as wide as their diameter. Eyes small, rounded, slightly convex, glabrous. Antennae missing.

Pronotum transverse, ratio length : width 0.5. The greatest width very shortly before base. Posterior angles obtusely rounded (in dorsal view) (Fig. 1). Surface of pronotum coarsely and densely punctuated, diameter of punctures the same as distance between them.

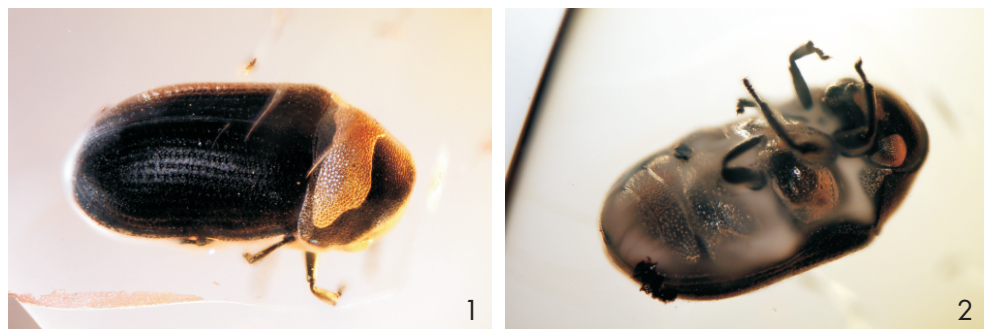
Elytra shortly oval, with distinct shoulders. Each elytron with 12 striae. Striae consist of large punctures, their diameter is twice as large as distance between them. Interstriae slightly wider than striae. The first stria, beside suture, very short, extending shortly behind scutellum.

Legs robust and short.

All ventrites of the same length, with large punctures, diameter of puncture diameter as large as distance between them (Fig. 2).

Differential diagnosis. The new fossil species differs from other known fossils of *Xyletinus* by the characters shown in the following key.

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



Figs. 1-2. *Xyletinus (Xyletinus) michalskii* sp. nov.: 1- habitus dorso-lateral aspect; 2- habitus ventral aspect. (photo by Artur Michalski).

***Xyletinus (Xyletinus) arturi* sp. nov.**
(Figs. 3-5)

Type material. Holotype (unsexed): Amber inclusion No. 4851. Poland, Gdansk city area, (JHAC).

Type horizon. Baltic Amber, Upper or mid-Eocene.

Description of holotype. Body shortly elongate, transversally and longitudinally convex, body length 4.2 mm, the greatest width 2.0 mm. Piceous brown, pronotum, head, antennae and legs slightly lighter. (Fig. 3).

Head hypognathous, almost flattened, finely punctuated, punctures almost touched. Frons twice wider as their diameter. Eyes large, rounded, slightly convex, glabrous. Antennae with 11-antennomeres (Fig. 5). Palpi small, terminal palpomere triangular.

Pronotum transverse, ratio length : width 0.8. The greatest width very shortly before base.

Posterior angles obtusely rounded (from dorsal view) (Fig. 3). Surface of pronotum finely and densely punctate, diameter of punctures as same as distance between them.

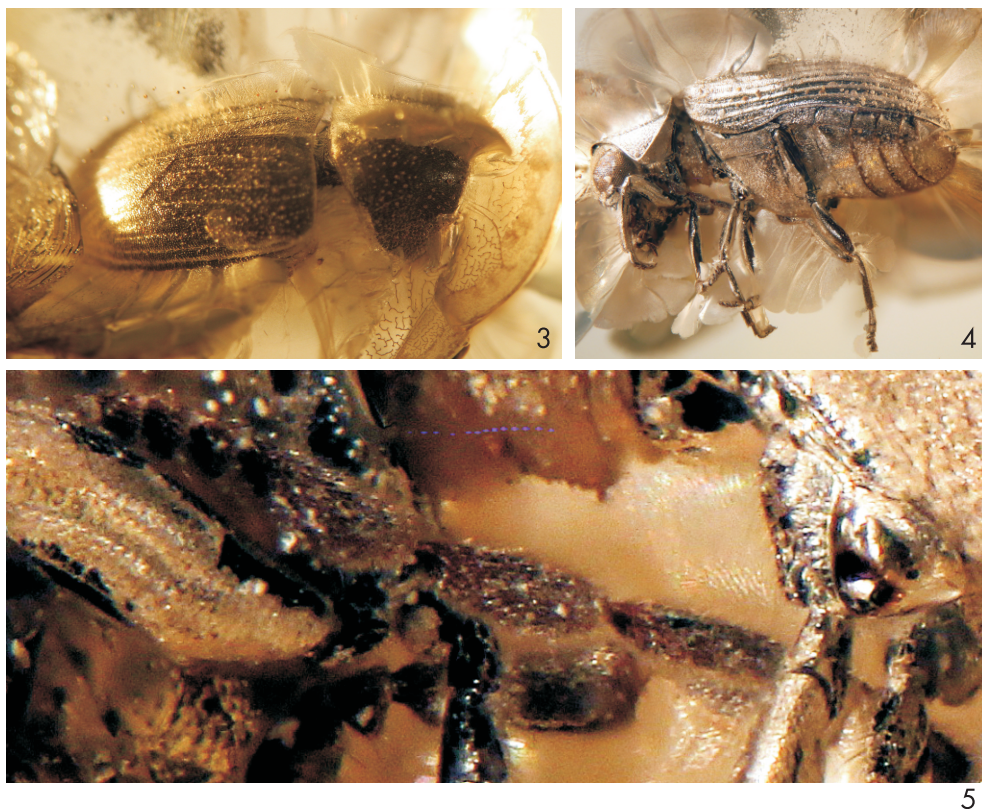
Elytra shortly oval, with distinct shoulders, covered by very short, decumbent setation. Each elytron with 12 striae. Striae consist of very small punctures, their diameter twice large as distance between them. Interstriae slightly wider than striae. The first stria, beside suture, very short, extending shortly behind scutellum.

Legs robust and short.

All ventrites of the same length, with very small punctures, diameter of punctures as large as distance between them (Fig. 4).

Differential diagnosis. The new fossil species differs from other known fossils of *Xyletinus* by the characters shown in the following key.

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



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Figs. 3-5. *Xyletinus* (*Xyletinus*) *arturi* sp. nov.: 3- habitus dorso-lateral aspect; 4- habitus ventral aspect; 5- antenna. (photo by Artur Michalski).

KEY OF FOSSIL XYLETINUS SPECIES

- 1 Elytral disc without distinct striae; antennomeres 2-10 serrate, triangular; body length 4.0 mm *X. barsevskisi* Alekseev & Bukejs, 2019
- Elytral disc with distinct striae; antennomere 2 not triangular. Body length lesser 2
- 2 Elytral stria 1 long, body length 3.1 mm *X. besseli* Alekseev & Bukejs, 2019
- Elytral stria 1 very short 3
- 3 Body length 2.5 mm; abdominal ventrites coarsely punctured; elytral striae consist of large punctures *X. michalskii* sp. nov.
- Body length 4.2 mm; abdominal ventrites finely punctured; elytral striae consist of very small punctures *X. arturi* sp. nov.

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