

ARTIGO / ARTÍCULO / ARTICLE

New data on fossil species from Baltic amber with description of a new species (Coleoptera: Dermestidae).

Jiří Háva

Department of Forest Protection and Entomology, Faculty of Forestry and Wood Sciences, Czech University of Life Sciences
Kamýcká 1176, CZ-165 21, Prague 6 - Suchbát, Czech Republic. e-mail: jh.dermestidae@volny.cz

Abstract: *Attagenus gorskii* sp. nov. from Upper Eocene Baltic amber is described, illustrated and compared with similar species *Attagenus yantarnyi* Háva & Bukejs, 2013 and *A. hoffeinsorum* Háva, Prokop & Herrmann, 2006. The new species differs by the structure of its antennae and body shape. A list of all known fossil species of Dermestidae from Baltic amber is also given.

Key words: Coleoptera, Dermestidae, *Attagenus*, taxonomy, description, new species, fossil, Baltic amber, Palaearctic Region.

Resumen: Nuevos datos sobre especies fósiles del ámbar báltico con la descripción de una nueva especie (Coleoptera: Dermestidae). Procedente del ámbar báltico del Eoceno superior, se describe e ilustra *Attagenus gorskii* sp. nov. y se compara con las especies similares *Attagenus yantarnyi* Háva & Bukejs, 2013 y *A. hoffeinsorum* Háva, Prokop & Herrmann, 2006. La nueva especie se diferencia por la estructura de sus antenas y la forma del cuerpo. Se incluye también una lista de todas las especies de Dermestidae fósiles conocidas del ámbar báltico.

Palabras clave: Coleoptera, Dermestidae, *Attagenus*, Taxonomía, descripción, especie nueva, fósil, ámbar báltico, Región Paleártica.

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Introduction

The family Dermestidae (Coleoptera) currently contains 1480 species and subspecies worldwide (Háva 2014). Dermestidae from Baltic amber have been covered by a series of papers (Háva 2008; Háva & Prokop 2006; Háva *et al.* 2006a, 2006b, 2008; Kadej & Háva 2011; Háva & Bukejs 2013; Zhantiev 2006). In the present article, a new fossil species belonging to the genus *Attagenus* Latreille, 1802 is described and illustrated.

Material and methods

The following measurements were made in this study:

total length (TL) - linear distance from anterior margin of pronotum to apex of elytra.

elytral width (EW) - maximum linear transverse distance.

Abbreviations used in this study:

AGCP: Private collection of Andrzej Górski, Bialsko-Biała, Poland.

MAIG: Collection of Museum of Amber Inclusions, University of Gdańsk, Poland (Elżbieta Sontag).

All photos were taken with Pentax K100 D by A. Górski.

Results

Family Dermestidae

Subfamily Attageninae

Tribe Attagenini

Attagenus hoffeinsorum Háva, Prokop & Herrmann, 2006

Material examined: Baltic amber, Poland, Gdańsk: inclusion No. 1734, 1 female, J. Háva det., deposited in MAIG.

Remarks: Species known from Poland: Gdańsk and Russia: Kaliningrad.

Attagenus gorskii sp. nov.

(Figs. 1-3)

Type strata. Baltic Amber, Upper Eocene, Prussian Formation.

Type locality. Gdańsk, Poland.

Type material. Holotype (♂): Baltic amber, Gdańsk, Poland, inclusion No. 9031, deposited in AGCP. The holotype specimen is provided with a red, printed label: "Holotype, *Attagenus gorskii* sp. nov., Jiří Háva det. 2014".

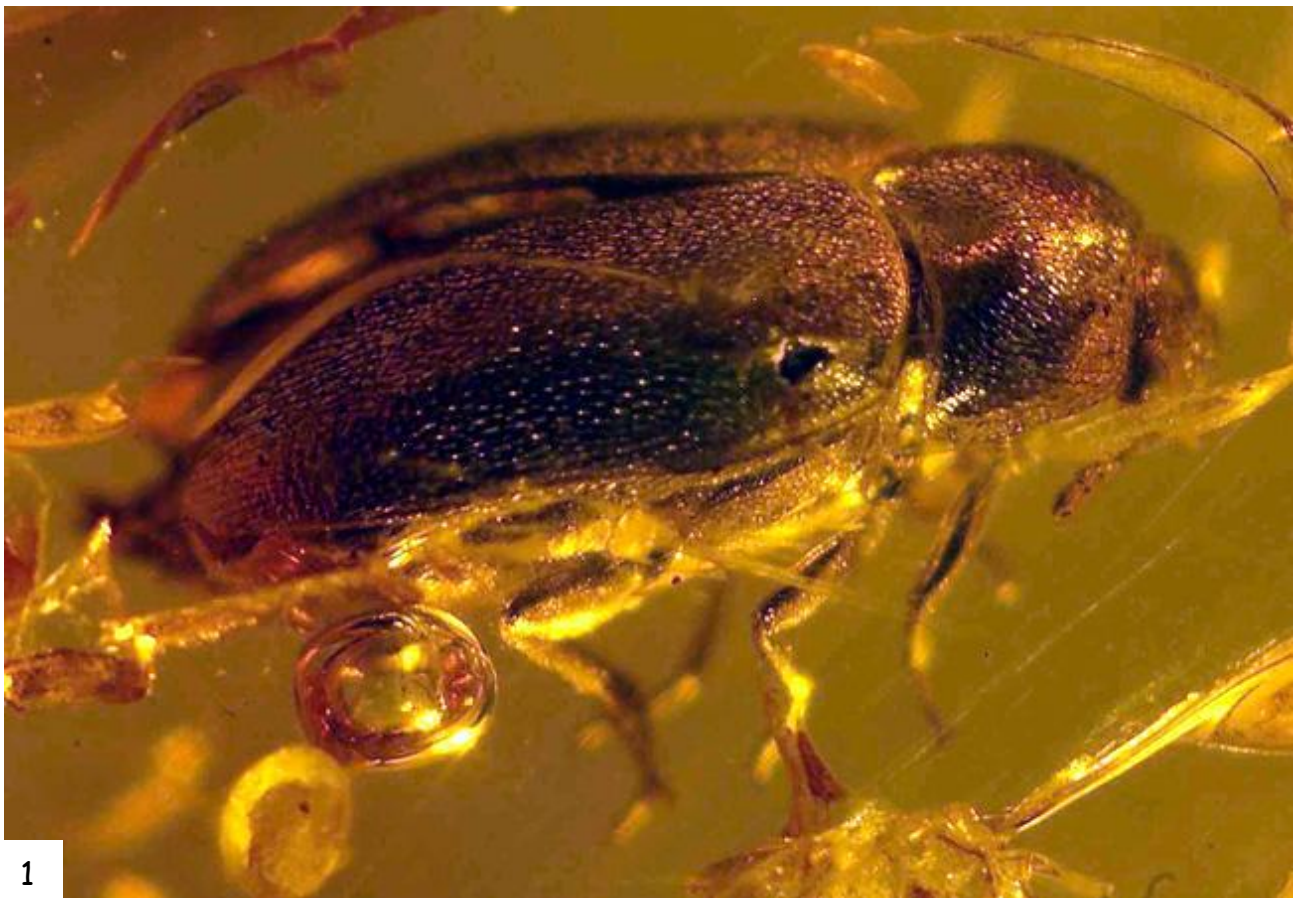
Description.

Male. Body: TL 3.0 mm, EW 1.5 mm; elongated and oval (Figs. 1, 2), moderately convex dorsally and ventrally; unicolorous dark brown, shiny; dorsum covered with dark, relatively short and thin recumbent pubescence; thoracic underside with comparatively long and thick recumbent pubescence; visible abdominal sternites with recumbent pubescence, sparser than that on thoracic surface. Head, pronotum and elytra with uniform, fine and dense punctures. Ventral surfaces finely punctated. Head oval, hypognathous, distinctly narrower than anterior margin of pronotum; with relatively large, distinctly faceted and not emarginated eyes. Frontal median ocellus present. Antennae slightly shorter than width of head, with 11 antennomeres, antennal club compact with 3 antennomeres (Fig. 3). Anterior margin of pronotum gently convex, while posterior distinctly bisinuate; anterior, posterior and lateral margins thinly bordered. Scutellum small and triangular with rounded apex. Elytra about 1.8x longer than wide, widest near the middle; in anterior 2/3 lateral sides subparallel, in posterior 1/3 evenly narrowing toward the apex; shoulders weak. Prosternum without "collar", mouthparts free. Abdomen with 5 visible abdominal sternites, of which 5th sternite is the longest; ratio of length of abdominal sternites: 2:2:2:2:3. Legs covered with comparatively short and thick setation. Femora weakly flattened. Tibiae weakly flattened and distinctly widened apically. Tarsi moderately short. Aedeagus difficult to see (parameres broad, with slightly curved tips, median lobe broad).

Female. Unknown.

Differential diagnosis. The new species was classified as Attageninae based on the following subfamilial characteristics: prosternum without a "collar"; mouthparts free. *Attagenus gorskii* sp. n. is similar to *Attagenus yantarnyi* Háva & Bukejs, 2013 and *A. hoffeinsorum* Háva, Prokop & Herrmann, 2006 but differs from them by the structure of its antennae, body shape and short, recumbent, brown abdominal pubescence.

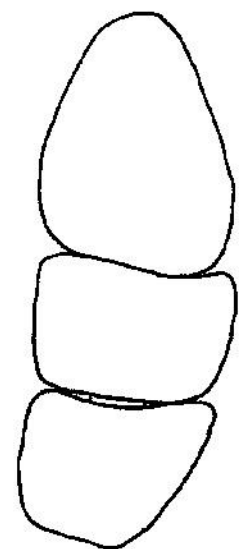
Etymology. In honour of my friend Andrzej Górski (Poland).



1



2



3

Figs. 1-3.- *Attagenus gorskii* sp. nov. (holotype, male): 1.- Habitus (dorso-lateral aspect). 2.- Habitus (ventro-lateral aspect). 3.- Antennal club.

**Subfamily Megatominiæ
Tribe Anthrenini**

***Anthrenus (Nathrenus) electron* Háva, Prokop & Kadej, 2006**

? *Anthrenus*: Kubisz, 2001: 260.

Anthrenus (Nathrenus) electron Háva, Prokop & Kadej, 2006: 66.

Material examined: Baltic amber, Poland, Gdańsk: inclusion No. 913, 1 specimen, J. Háva det., deposited in MAIG; inclusion No. 190, 1 specimen, J. Háva det., deposited in MAIG.

Remarks: Kubisz (2001) mentioned the species as ?*Anthrenus* sp. The species was described subsequently according holotype specimen as *A. (N.) electron* Háva, Prokop & Kadej, 2006. Mentioned specimens are second and third known records of this species.

Updated list of known species of fossil Dermestidae from Baltic amber

Subfamily Dermestinae
Tribe Dermestini

Dermestes (Dermestes) progenior Zhantiev, 2006

Distribution: Russia (Kaliningrad region)

Subfamily Trinodinae
Tribe Trinodini

Evorinea amberica Háva, Prokop & Herrmann, 2008

Distribution: Russia (Kaliningrad region)

Trinodes puetzi Háva & Prokop, 2006

Distribution: Russia (Kaliningrad region)

Larva of *Trinodes* sp. Kadej & Háva, 2011

Distribution: Poland (Ustka)

Subfamily Attageninae
Tribe Attagenini

Attagenus balticus Háva, Prokop & Herrmann, 2008

Distribution: Russia (Kaliningrad region)

Attagenus gorskii sp. nov.

Distribution: Poland (Gdańsk)

Attagenus hoffeinsorum Háva, Prokop & Herrmann, 2006

Distribution: Poland (Gdańsk), Russia (Kaliningrad region)

Attagenus obesus Háva, Prokop & Herrmann, 2008

Distribution: Russia (Kaliningrad region)

Attagenus yantarnyi Háva & Bukejs, 2013

Distribution: Russia (Kaliningrad region)

Subfamily Megatominae
Tribe Anthrenini

Anthrenus (Nathrenus) ambericus Háva, Prokop & Herrmann, 2006
Distribution: Russia (Kaliningrad region)

Anthrenus (Nathrenus) electron Háva, Prokop & Kadej, 2006
Distribution: Poland (Gdańsk)

Anthrenus (Nathrenus) groehni Háva, Prokop & Herrmann, 2006
Distribution: Russia (Kaliningrad region)

Anthrenus (Nathrenus) kerneggeri Háva, Prokop & Herrmann, 2008
Distribution: Russia (Kaliningrad region)

Tribe Megatomini

Globicornis (Globicornis) rakovici Háva, 2008
Distribution: Russia (Kaliningrad region)

Globicornis (Hadrotoma) ambericus Háva, Prokop & Herrmann, 2006
Distribution: Poland (Gdańsk), Russia (Kaliningrad region)

Megatoma (Megatoma) electra Zhantiev, 2006
Distribution: Russia (Kaliningrad region)

Phradonoma ambericum Háva, Prokop & Herrmann, 2008
Distribution: Russia (Kaliningrad region)

Trogoderma larvalis Háva, Prokop & Herrmann, 2006
Distribution: Russia (Kaliningrad region)

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