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A NEW SPECIES OF *GLOBICORNIS* (*HADROTOMA*) (COLEOPTERA, DERMESTIDAE, MEGATOMINAE) FROM BALTIC AMBER

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A New Species of *Globicornis* (*Hadrotoma*) (Coleoptera, Dermestidae, Megatominae) from Baltic Amber. Háva, J., Damgaard, A. L. — The species *Globicornis* (*Hadrotoma*) *ingelehmannae* sp. n. from Baltic amber is described, illustrated and compared with all known amber species of *Globicornis* Latreille, 1829. New species differs by the shape of antennae and black setation on dorsal and ventral surfaces.

Key words: taxonomy, new species, amber, Coleoptera, Dermestidae, *Globicornis*, Palaearctic Region.

Новый вид *Globicornis* (*Hadrotoma*) (Coleoptera, Dermestidae, Megatominae) из балтийского янтаря. Хава Дж, Дамгаард А. Л. — Для вида *Globicornis* (*Hadrotoma*) *ingelehmannae* sp. n. из Балтийского янтаря приведены описание, иллюстрации и сравнение со всеми известными видами *Globicornis* Latreille, 1829 из янтаря. Новый вид отличается формой антенн и черными щетинками на дорсальной и вентральной поверхностях.

Ключевые слова: систематика, новые виды, янтарь, Coleoptera, Dermestidae, *Globicornis*, Палеарктика.

Introduction

The skin and carpet beetle family (Dermestidae) currently contains 1500 species belonging to 62 genera worldwide (Háva, 2015). Dermestidae from Baltic amber have been covered in a number of papers (e. g., Háva et al., 2006; Háva, 2008, 2014; Háva, Bukejs, 2012; Háva, Alexeev, 2015), in the present work we describe a new species belonging to the subfamily Megatominae, to the genus *Globicornis* Latreille, 1829. The genus recently contains five subgenera: *Globicornis* (s. str.), *Elania* Mulsant et Rey, 1868, *Hadrotoma* Erichson, 1846, *Pseudomesalia* Ganglbauer in Bodemeyer, 1900 and *Socotracornis* Háva, 2013 with 31 species, including 2 amber species distributed in Palaearctic Region.

The 17 described and known to date (Háva, 2014) species of Dermestidae belonging to nine genera from Baltic amber are as follows: *Dermestes* Linnaeus, 1758 (1 species), *Evorinea* Beal, 1961 (1), *Trinodes* Dejean, 182 (1), *Attagenus* Latreille, 1802 (5), *Anthrenus* O. F. Müller, 1764 (4), *Globicornis* Latreille, 1829 (2), *Megatoma* Herbst, 1792 (1), *Phradonoma* Jacquelin Du Val, 1859 (1) and *Trogoderma* Dejean, 1821 (1). The findings and description of representatives of the genus *Orphinus* Motschulsky, 1858 could be expected (Spahr, 1981). The skin and carpet beetle family is among five best-studied families of beetles from Baltic amber (Alekseev 2013).

Material and methods

The classification used here follows that presented in the world catalogue (Háva, 2015).

The Baltic amber specimen was examined from the personal amber collection of Anders Leth Damgaard (ALDC), and the holotype is housed in the ALDC, Denmark for safekeeping to be eventually deposited in the Zoological Museum, University of Copenhagen (ZMUC). Photographs of the specimen of the species described here are hosted at the website www.amber-inclusions.dk.

The following abbreviations of measurements were used:

total length (TL) — linear distance from anterior margin of pronotum to apex of elytra;
elytral width (EW) — maximum linear transverse distance.

Genus *Globicornis* Latreille, 1829

Subgenus *Hadrotoma* Erichson, 1846

Globicornis (Hadrotoma) ingelehmannae sp. n. (fig. 1–3)

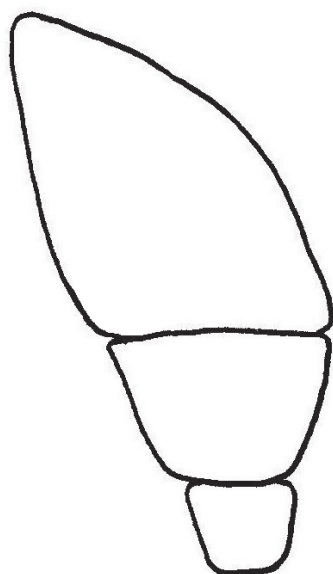
Type material. Holotype ♂: **Russia**, Kaliningrad, Baltic amber inclusion (ZMUC). The type specimen are labeled with a red printed label bearing the following text: “HOLOTYPE *Globicornis (Hadrotoma) ingelehmannae* sp. n. Háva & Damgaard det. 2015”.



1



2



3



4

Fig. 1–4. *Globicornis (Hadrotoma) ingelehmannae* sp. n. (holotype): 1 — habitus, dorsal aspect; 2 — habitus, ventral aspect (→ = prosternal “collar”); 3 — antennal club (schematically); 4 — holotype of *G. (H.) ambericus* Háva, Prokop et Herrmann, 2006.

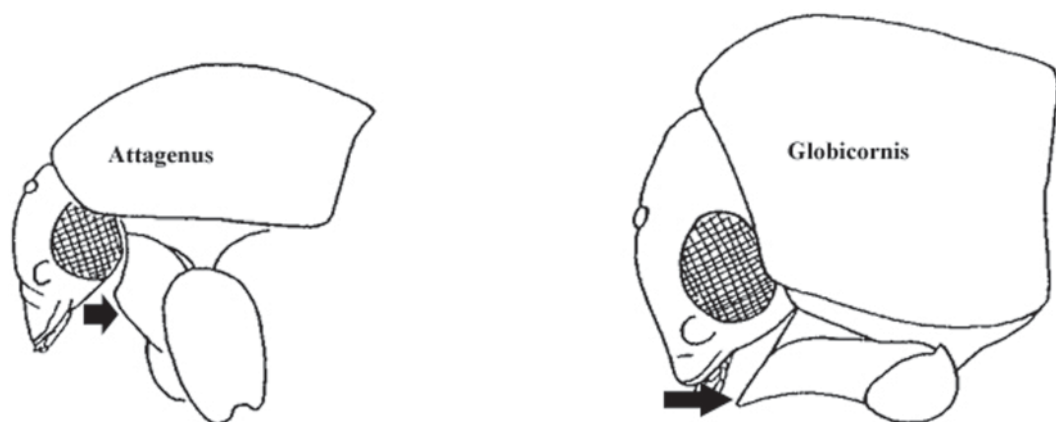


Fig. 5. Head and prothorax lateral aspect, prosternum indicated by arrow.

Description. Body broadly-oval (fig. 1–2), measurements (in mm): TL 2.7, EW 1.6. Head, pronotum and elytra black; head coarsely punctate, with long black erected setation; palpi entirely black; frontal median ocellus present; antenna with 10 antennomeres, antennal club with 3 antennomeres entirely black (fig. 3). Antennal fossa not visible. Eye very large, with black microsetae. Pronotum coarsely punctate as head, with long black erect setation and prominently raised side edge delineated by fine demarcation line. Scutellum triangular, black, without setation. Elytron finely coarsely punctate on humerus, finely on posterior parts, cuticle unicolorous, black without fasciae or spots. Apex of each elytron with long blackish setation. Legs black with black setation; protibia without spines. Metasternum coarsely punctate, with short black setation. Abdominal ventrites with long black setation.

Diagnosis. The new species belong to the genus *Globicornis* Latreille, 1829 subgenus *Hadrotoma* Erichson, 1846 according to antennae composed with 10 antennomeres, terminal antennomere triangular and flat, new species differs from the other two known amber species by the characters mentioned in the key below.

The new species differs from the visually similar species *Attagenus hoffeinsorum* Háva, Prokop et Herrmann, 2006 and *A. yantarnyi* Háva et Bukejs, 2012 by the prosternum forming a “collar” under which mouthparts fit when head is retracted (fig. 5).

Etymology. Patronymic, dedicated to commemorate Dr. Inge Lehmann (1888–1993), an excellent Danish seismologist and geophysicist.

Key to species of *Globicornis* known from Baltic amber

- | | | |
|---|---|---|
| 1 | Body unicolorous, terminal antennomere triangular. | 2 |
| — | Body bicolorous (elytra with orange red spots), terminal antennomere. | <i>Globicornis</i> (<i>Globicornis</i>) <i>rakovici</i> Háva, 2008 |
| 2 | Setation on dorsal and ventral surfaces white (fig. 4); pronotum 1.8x wide as long; body form more narrow. | <i>Globicornis</i> (<i>Hadrotoma</i>) <i>ambericus</i> Háva, Prokop et Herrmann, 2006 |
| — | Setation on dorsal and ventral surfaces black (fig. 1); pronotum 2.3x as wide as long; body form more broad. | <i>Globicornis</i> (<i>Hadrotoma</i>) <i>ingelehmannae</i> sp. n. |

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