Studies and Reports
Taxonomical Series 15 (1): 59-62, 2019

A new *Falsogastrallus* Pic, 1914 species (Coleoptera: Ptinidae) from Eocene Baltic amber

Jiří HÁVA[1,2] & Petr ZAHRADNÍK[3]

[1]Daugavpils University, Institute of Life Sciences and Technology,
Department of Biosystematics, Vienības Str. 13, Daugavpils, LV - 5401, Latvia
[2]Private Entomological Laboratory and Collection,
Rýznerova 37, CZ - 252 62 Únětice u Prahy, Praha-západ, Czech Republic
e-mail: jh.dermestidae@volny.cz
[3]Forestry and Game Management Research Institute
Strnady 136, CZ-150 00 Praha 5 - Zbraslav
e-mail: zahradnik@vulhm.cz

Taxonomy, new species, Eocene fossil species, Coleoptera, Ptinidae, *Falsogastrallus*, Baltic amber, Russia

Abstract. A new species *Falsogastrallus groehni* sp. nov. from Baltic amber is described and compared with known amber species *Gatrallus zjantaru* Zahradník & Háva, 2014. The described species represents first amber species belonging to the genus. A Check-list of *Falsogastrallus* species is provided.

INTRODUCTION

The family Ptinidae from Eocene Baltic amber was recently studied and new articles were published Alekseev 2012, 2014, Bukejs et al. 2015, 2017, 2018, Zahradník & Háva 2014, 2017). In the present contribution, a new species is described from material of amber inclusions of Ptinidae kept in the collection of Carsten Gröhn.

The genus *Falsogastrallus* Pic, 1914 currently contains 16 species worldwide, not including amber species (Zahradník 2010). The described species represents the first amber species belonging to the genus.

MATERIAL AND METHODS

The species described here was compared with other species from Baltic amber and/or with a description. The type specimens of the newly described species are deposited in the following collection:

GPIH Geologogische-Palaentologische Institut of University Hamburg, Germany (coll. Carsten Gröhn).

Therefore, the following measurements were made:

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

Specimen of the presently described species is provided with a red, printed label with text as follows: „HOLOTYPE *Falsogastrallus groehni* sp. nov. J. Háva & P. Zahradník det. 2018".

RESULTS

Falsogastrallus groehni sp. nov.
(Figs. 1-3)

Type strata. Baltic amber, mid-Eocene to Upper Eocene.

Type locality. Yantarny settlement (formerly Palmnicken), Sambian (Samland) Peninsula, the Kaliningrad region, Russia.

Type material. Holotype: GPIH 4988, coll. Gröhn No.8593, adult, sex unknown. Complete beetle included in small, transparent, yellow amber piece, (GPIH).

Description of holotype. Measurements (mm): TL 1.6. Body piceous, oblong oval, covered by very short setation (Figs. 1-2). Antennae and legs black. Head evenly convex, finely punctured. Eyes large, slightly globular. Antennae black with 9 antennomeres, antennal club (Fig. 3). Pronotum transverse, strongly convex, without bump. Lateral margin visible only shortly before base (dorsal view). Surface of pronotum finely punctured. Scutellum trapezoidal, slightly wider than long. Elytra with double punctuation - the first is coarse and sparse, the second is fine and dense, with one more distinct lateral striae. Epipleuron narrow, finely punctured. Metasternum finely punctured. Abdomen with four visible ventrites (Fig. 2a): the first ventrite with short lateral stria, broad and long as second, third and fourth ones short.

Differential diagnosis. The new species belongs to the genus *Falsogastrallus* Pic, 1914 and differs from recent species by the structure of antennal club and very long first visible abdominal ventrite. The new species differs from the amber species *Gatrallus zjantaru* Zahradník & Háva, 2014 by the following characters:

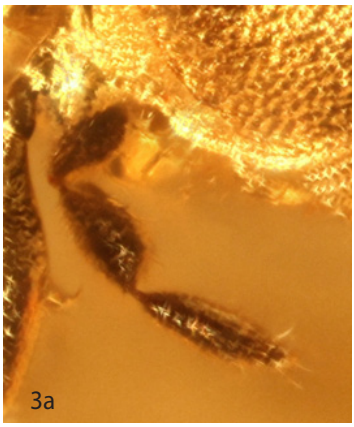
Falsogastrallus groehni sp. nov.: abdomen with four visible ventrites; each elytron without longitudinal ledge, with double punctuation (Figs. 1-2).
Gatrallus zjantaru Zahradník & Háva, 2014: abdomen with five visible ventrites; each elytron with longitudinal ledge and the very distinct punctured striae (Fig. 4).

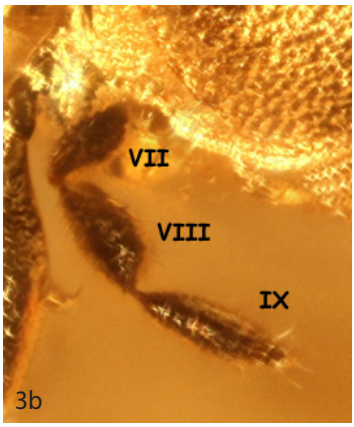
Etymology. Patronymic dedicated to amber specialist Carsten Gröhn (Glinde, Germany).

LIST OF *FALSOGASTRALLUS* SPECIES

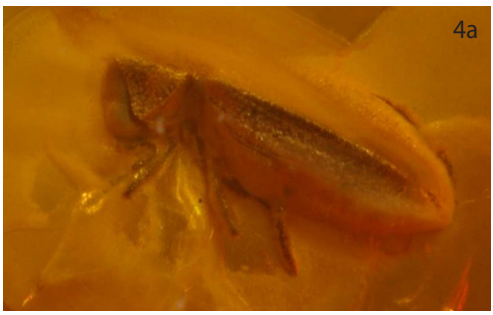
***Falsogastrallus* Pic, 1914**
= *Gastrallomimus* Pic, 1939
= *Neogastrallus* Fisher, 1938

barbieri Espaňol, 1979	Vietnam
bibliographus (Magalhaes, 1907)	Brazil
curtus Toskina, 2003	Jordan





Figs. 1-3. *Falsogastrallus groehni* sp. nov.: 1, 2- habitus, lateral aspect; 2a- four abdominal visible ventrites (s- lateral striation); 3a,b- antennal club (photo by C. Gröhn).



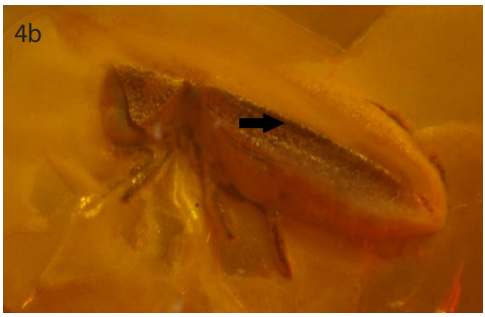


Fig. 4a-b. *Gatrallus zjantaru* Zahradník & Háva, 2014: holotype, habitus, dorso-lateral aspect (photo by J. Háva).

elongatus Pic, 1931	China: Yunnan
= *bicolor* Pic, 1931	
groehni sp. nov.	Russia - Baltic amber
indicus Zahradník, 2010	India: Tamil Nadu
javanus (Pc, 1903)	Indonesia: Java I.
librinocens (Fisher, 1938)	U.S.A.: Southeast Region
natalensis Pic, 1929	South Africa
pici Espaňol, 1970	Brazil
= *unistriatus* (Pic, 1939)	
sauteri Pic, 1914	Japan, China: Taiwan
seychellensis Scott, 1924	Seychelles Is.
skopini Espaňol & Bellés, 1984	Kazakhstan, Tadzhikistan, Uzbekistan
stemmleri Espaňol, 1977	Bhutan
theresae Espaňol & Bellés, 1984	Indonesia: Bali I.
tonkineus Pic, 1931	Vietnam
unistriatus (Zoufal, 1897)	Lebanon, Syria, Tadzhikistan, Turkey, Austria, Croatia, Greece, Hungary, Italy, „Yugoslavia“

ACKNOWLEDGEMENTS. Authors very grateful to Carsten Gröhn (Germany) for providing the interesting material and photos of the new species. The paper was supported by the Ministri of Agriculture of the Vzech Republic, Institutional support MZE-RO0118.

REFERENCES

Alekseev V. I. 2012: *Sucinoptinus bukejsi* sp. nov. (Coleoptera:Ptinidae:Ptinini), the second species of the Tertiary genus from the Baltic amber. *Baltic Journal of Coleopterology* 12(2): 145-148.

Alekseev V. I. 2014: New fossil species of Ptinidae (Insecta: Coleoptera) in Baltic amber (Tertiary, Eocene). *Zoology and Ecology* 24(3): 239-255.

Bukejs A. & Alekseev V. I. 2015: A second Eocene species of death-watch beetle belonging to the genus *Microbregma* Seidlitz (Coleoptera: Bostrichoidea) with a checklist of fossil Ptinidae. *Zootaxa* 3947(4): 553-562.

Bukejs A., Alekseev V. I., Cooper D. M. L., King G. A. & Mckellar R. C. 2017: Contributions to the palaeofauna of Ptinidae (Coleptera) known from Baltic amber. *Zootaxa* 4344(1): 181-188.

Bukejs A., Bellés X. & Alekseev V. I. 2018: A new species of *Dignomus* Wollaston (Coleoptera: Ptinidae) from Eocene Baltic amber. *Zootaxa* 4486(2): 195-200.

Bukejs A., Háva J. & Alekseev V. I. 2018: New fossil species of *Trichodesma* LeConte, 1861 (Coleoptera: Ptinidae) from Eocene Baltic amber collected in the Kaliningrad region, Russia. *Palaeontologia Electronica* 21(2): 1-7.

Zahradník P. 2010: Contribution to knowledge of the tribe Gastrallini (Coleoptera: Bostrichoidea: Ptinidae) - IV. Review of he genus *Falsogastrallus*, with description of new species. *Studies and Reports, Taxonomical Series* 6(1-2): 271-275.

Zahradník P. & Háva J. 2014: New Ptinidae (Coleoptera: Bostrichoidea) from Baltic amber with a list of known fossil species. *Studies and Reports, Taxonomical Series* 10(2): 629-646.

Zahradník P. & Háva J. 2017: Three new species of *Trichodesma* LeConte, 1861 from Baltic Amber (Coleoptera: Ptinidae: Anobiinae). *Folia Heyrovskyana, Series A* 25(1): 89-92.

Received: 3.12.2018
Accepted: 20.12.2018
Printed: 31.3.2019