Евразиатский энтомол. журнал 22(5): 272–273
doi 10.15298/euroasentj.22.05.08

Poinarinius coziki sp.n., a new species of bostrychid beetles (Coleoptera: Bostrichidae) from Cretaceous Burmese amber

Poinarinius coziki sp.n. — новый вид жуков-капюшонников (Coleoptera: Bostrichidae) из мелового бирманского янтаря

J. Háva*, A.A. Legalov**
И. Гава*, А.А. Легалов**

* Private Entomological Laboratory & Collection, Rýznerova 37/37, Únětice u Prahy, Prague-west CZ-252 62 Czech Republic. E-mail: jh.dermestidae@volny.cz. ORCID ID: 0000-0001-8076-9538.

* Частная энтомологическая лаборатория и коллекция, Прага-запад, Чехия.

** Институт систематики и экологии животных СО РАН, ул. Фрунзе 11, Новосибирск 630091 Россия; Алтайский государственный университет, ул. Ленина 61, Барнаул 656049 Россия. E-mail: fossilweevils@gmail.com.

** Institute of Systematics and Ecology of Animals, Siberian Branch of Russian Academy of Sciences, Frunze Str. 11, Novosibirsk 630091 Russia; Altai State University, Lenina Str. 61, Barnaul 656049 Russia.

Key words: Coleoptera, Bostrichidae, Alitrepaninae, *Poinarinius*, mid-Cretaceous, Myanmar.

Ключевые слова: Coleoptera, Bostrichidae, Alitrepaninae, *Poinarinius*, средний мел, Мьянма.

Abstract. A new species, *Poinarinius coziki* Háva et Legalov **sp.n.**, described from mid-Cretaceous Burmese amber, is illustrated and compared with similar species. This species is closed to *P. burmaensis* Legalov, 2018 but differs in the longitudinal lobe on the elytron sides with three blunt teeth. It is distinguishable from the other *Poinarinius* Legalov, 2018 species by its rugose pronotum and a broad longitudinal lobe on each elytron.

Резюме. В статье описывается новый вид *Poinarinius coziki* Háva et Legalov **sp.n.**, из среднемелового бирманского янтаря. Новый вид близок к *P. burmaensis* Legalov, 2018 но отличается продольной лопастью по бокам надкрылий с тремя тупыми зубцами. От других видов рода *Poinarinius* Legalov, 2018 его отличают морщинистая переднеспинка и одна широкая продольная лопасть на каждом надкрылье.

Introduction

The genus *Poinarinius* Legalov, 2018 belongs to the subfamily Alitrepaninae of the family Bostrichidae, includes ten species and is known only from mid-Cretaceous Burmese amber [Legalov, 2018; Legalov, Háva, 2022; Háva, Legalov, 2023]. A new species of the genus is descried in the present article below.

The amber piece with the described specimen was obtained from mines in the Hukawng Valley of the state of Kachin (Myanmar). The amber of probable the Cenomanian radiometric age was mined from sedimentary beds, indicating that it had been re-deposited. An araucarian tree, possibly *Agathis*, was the source of the amber.

Materials and methods

The material mentioned is deposited in Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic (JHAC).

Specimens of the species described here are provided with red, printed labels with text as follows: «HOLOTYPE *Poinarinius coziki* sp.n. J. Háva & A. Legalov det. 2023» and «PARATYPE *Poinarinius coziki* sp.n. J. Háva & A. Legalov det. 2023».

The morphological terminology used in this paper follows Legalov and Háva [2022].

Nomenclatural acts introduced in the present work are registered in ZooBank (www.zoobank.org) under urn: urn:lsid:zoobank.org:pub:7BEE8E57-F444-4F95-98E9-4B3610BF7390.

Results

Bostrichidae Latreille, 1802
Alitrepaninae Peng, Jiang, Engel et Wang, 2022
Poinarinius Legalov, 2018

Type species: *Poinarinius burmaensis* Legalov, 2018 by original designation.

Poinarinius coziki Háva et Legalov, **sp.n.**

Figs 1–3.

Material. Holotype, ♂: ***Myanmar amber*:** No. JH2023/3, Hukawng Valley, lowermost Cenomanian, (JHAC). Paratype, 1♂, same data as holotype, (JHAC). The beetles are included in transparent amber piece. Syninclusions: 2♂♂, *P. antonkozlovi* Legalov et Háva, 2023; 1 spec., Diptera; numerous small to minute organic particles.

Description of holotype. Body brown, length 2.1 mm. Integument covered with erect and semierect long setae. Head as wide as the pronotum apical width. Frons convex, sparsely punctate, covered with rare erect setae. Vertex weakly convex. First antennomere long conical, weakly curved, about 2.3 times as long as wide at apex. Second and third antennomeres conical. Second antennomere about 1.4 times as long as wide at apex, about 0.4 times as long as and about 0.7 times as narrow as first antennomere. Third antennomere subequal in length

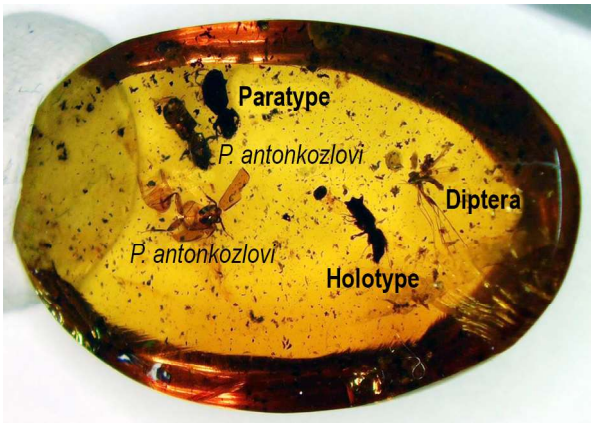

Fig. 1. Amber piece with types of *Poinarinius coziki* Háva et Legalov sp.n. and syninclusions.

Fig. 1. Янтарь с типами *Poinarinius coziki* Háva et Legalov sp.n. и сининклюзами.

Figs 2–3. Habitus of *Poinarinius coziki* Háva et Legalov sp.n. 2 — holotype, 3 — paratype.

Рис. 2–3. Общий вид *Poinarinius coziki* Háva et Legalov sp.n. 2 — голотип, 3 — паратип.

and width, about 0.6 times as long as and about 0.8 times as narrow as second antennomere. Fourth and fifth antennomeres wide-conical. Pronotum long as wide at apex, in middle, and at base. Elytra subcylindrical. Elytral intervals narrow, convex, about 0.5 times as narrow as striae width. Striae deep, with small rounded punctation. Elytra with one longitudinal lobes before weak elytral declivity. Metaventrite long as metacoxal cavity length. Metanepisterna long as wide in middle.

Paratype. Body brown, length 2.1 mm.

Differential diagnosis. The new species is similar to *P. burmaensis* Legalov, 2018, *P. borowskii* Legalov et Háva, 2023 and *P. cretaceus* Legalov et Háva, 2023, but differs by the broad longitudinal lobe and spine on each elytron.

Etymology. The new species is dedicated to František Čožík (Benešov, Czech Republic), specialist in amber inclusions.

Key to species similar to *Poinarinius coziki Háva et Legalov* sp.n.

1. Pronotum rugose 2
— Pronotum punctate 3
2. Longitudinal lobe on elytron side with one blunt tooth ... . *P. burmaensis* Legalov
— Longitudinal lobe on elytron side with three blunt teeth.. ..... *P. coziki* Háva et Legalov sp.n.
3. Elytra with double spines on sides of elytral declivity ....*P. borowskii* Legalov et Háva
— Elytra with longitudinal lobes before elytral declivity ....*P. cretaceus* Legalov et Háva

Acknowledgements

First author very indebted to František Čožík (Czech Republic) for donating the amber inclusion.

References

Háva J., Legalov A.A. 2023. A new *Poinarinius* species (Coleoptera: Bostrichidae: Alitrepaninae) from mid-Cretaceous Burmese amber // Studies and Reports. Taxonomical Series. Vol.19. No.2. P.285–287.

Legalov A.A. 2018. New auger beetle (Coleoptera; Bostrichidae) from mid-Cretaceous Burmese amber // Cretaceous Research. Vol.92. P.210–213. https://doi.org/10.1016/j.cretres.2018.08.014.

Legalov A.A., Háva J. 2022. Diversity of auger beetles (Coleoptera; Bostrichidae) in the mid-Cretaceous forests with description of seven new species // Diversity. Vol.14. No.12. P.1114. https://doi.org/10.3390/d14121114.

Peng Y., Jiang R., Shi C., Song W., Long X., Engel M.S., Wang S. 2022. Alitrepaninae, a new subfamily of auger beetles from mid-Cretaceous Kachin amber of northern Myanmar (Coleoptera:

Поступила в редакцию 15.10. 2023