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Augyles kolibaci sp. n. from Nepal (Coleoptera: Heteroceridae)

Augyles kolibaci sp. n. z Nepálu (Coleoptera: Heteroceridae)

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Abstract. *Augyles kolibaci* sp. n. from Nepal is described and illustrated. *Augyles grohmanni* (Mascagni, 1987) and *A. gabriellae* (Mascagni, 1993) are recorded for the first time from Nepal.

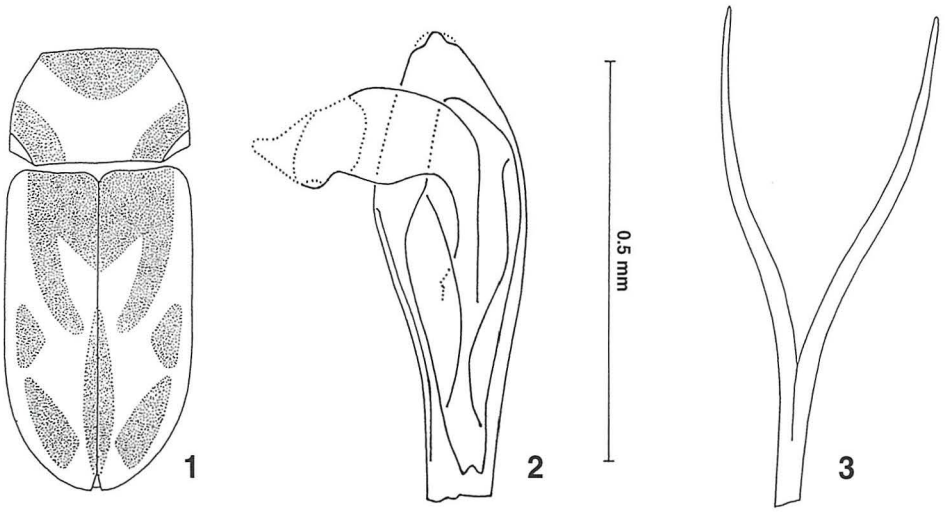
Fifteen species of Heteroceridae are presently known from Nepal (Mascagni 1995). A study of a small series of Heteroceridae collected by Dr. Jiří Kolibáč (Brno) in 1995 revealed three additional species, among them one species new to science. This new species is described below.

Augyles kolibaci sp. n.

Type material. Holotype ♂: "Nepal, Chitwan Nat. Pk., Sauraha env., Rapti Riv. 22.v.-27.v. 1995, Jiří Kolibáč leg.". Deposited in the Moravian Museum (Department of Entomology) in Brno. Allotype ♀: same data as holotype. Paratypes: 5 ♂♂, 9 ♀♀, same data as in holotype; deposited in the Moravian Museum (3 ♂♂, 6 ♀♀) and in the author's collection (2 ♂♂, 3♀♀).

Description. Holotype male: Length 3.0 mm; elytra 1.6 mm long, 0.95 mm wide across shoulders. Ground colour pale brown. Labrum dark brown; almost square, slightly convex, softly granulate margin densely setose. Mandibles rusty-brown. Head dark brown posteriorly, pale brown anteriorly densely setose, with longer setae laterally. Antennae pale brown 11-segmented, with 7-segmented apical club. Antennomere 2 and 3 with sparse, long, erect setae. Clypeus without anterior horns, anterior margin emarginate. Pronotum pale brown with darker spots as in Fig. 1 slightly wider than elytra, finely granulate pronotal base completely rimmed, softly granulate. Setae on pronotum short, semi-erected and rustlish, laterally longer and erected. Scutellum pointed, twice as long as wide. Elytra pale brown with darker design as in Fig. 1; softly granulate, without longitudinal ridges. Each elytron with a depression alongside scutellum. Setae as on head and pronotum, short and semi-erected. Epipleural ridges absent. Metasternum with a post-mesocoxal ridge. Legs pale brown; protibia with darker lateral ridge, with 9 spines, meso- and metatibia with 8 spines. Stridulatory arch marked with striae. Post-metacoxal line present. Ventral surface pale brown; shortly, recumbently setose, with sparse, erect, longer setae. Aedeagus (Fig. 2) pale brown, partly sclerotized, 0.6 mm long; vaginate; median lobe with a long projectable processus accessorius, dorsal to tegmen. Tegmen without lateral suture. Internal sac of the penis absent. Spiculum gastrale (Fig. 3) V-shaped.

Allotype female: Length 2.5 mm, elytra 1.5 mm long, 0.95 mm wide across shoulders. Externally similar to male, the design of elytra being more distinct.



Figs 1-3. *Augyles kolibaci* sp. n., holotype: 1- pronotum and elytra, dorsal view; 2- aedeagus, dorsal view; 3- spiculum gastrale, dorsal view. Fig. 1 not to scale.
Obr. 1-3. *Augyles kolibaci* sp. n., holotypus: 1 - štít a krovky, pohled svrchu; 2- aedeagus, pohled svrchu; 3- spiculum gastrale, pohled svrchu. Obr. 1 bez měřítka.

Variability. Size: ♂♂ length 2.8 - 3.0 mm; ♀♀ length 2.4 - 2.9 mm. Elytral design sometimes partly variable and less distinct.
Bionomics. All specimens were collected in the same region at light trap and no further details are known about the collection circumstances.
Etymology. The new species is dedicated to Dr. Jiří Kolibáč (Brno, Czech Republic) who collected the type material.
Differential diagnosis. The complete abdominal ridge on the first visible ventrite assign this species to the genus *Augyles* Schiödte, 1866. Moreover it belongs to the "*cribratellus* group" sensu Charpentier (1965) due to the shape of the aedeagus. This widely distributed group is very variable in external morphology (variable size, presence of epipleural ridges, presence of horns on male clypeus and variable number of antennomeres) (Charpentier 1965) and therefore it is not possible to establish any phylogenetical relationships using these characters. The structure of the aedeagus indicates certain relationship to *A. martensi* (Mascagni, 1990) from Nepal.
Remarks. The following species of Heteroceridae were collected at the type locality of *A. kolibaci* sp. n.: *Heterocerus fulvipes* Miller, 1995 (1 ♂), *Augyles manfredjaechi* (Mascagni, 1995) (2 ♀♀), *Augyles grohmanni* (Mascagni, 1987) (1 ♂, 1 ♀), *Augyles gabriellae* (Mascagni, 1993) (1 ♂, 3 ♀♀). All specimens are deposited in Moravian Museum in Brno. The latter two species are new for Nepal: *A. grohmanni* was so far known only from Burma (Mascagni 1987) and *A. gabriellae* was known only from Thailand (Mascagni 1993).

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SOUHRN

V této práci je popsán nový druh *Augyles kolibaci* sp. n. z Nepálu. Tento druh se strukturou aedeagu přiřazuje ke „skupině *cribratellus*" (Charpentier 1965). Je příbuzný nepálskému druhu *A. martensi* (Mascagni, 1990), od kterého se liší kresbou na krovkách a především stavbou aedeagu. Nový druh je pojmenován k poctě nálezce Dr. Jiřího Kolibáče. U druhů *Augyles grohmanni* (Mascagni, 1987) popsaného z Barmy a *A. gabriellae* (Mascagni, 1993) popsaného z Thajska dokládám první nález pro Nepál.