

Apachyus baloghi sp. nov. (Dermaptera: Apachyidae) from Brazzaville-Congo

By

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Together with his collaborators, Professor DR. J. BALOGH (Zoosystematical and Oecological Institute of the Eötvös Loránd University, Budapest) made a collecting tour to Brazzaville-Congo for the first time in 1963. The insects found in the course of the explorations of the soil fauna were lodged in the Department of Zoology of the Hungarian Natural History Museum; their processing is a task of our days. In the collected material there are also Dermapterans, out of which also a new species of *Apachyus* turned up, which I named after the eminent soil zoologist who collected it.

Apachyus baloghi sp. nov.

Female: An insect of small size, pale brown in colour. Its head is considerably flattened, straw-coloured. Its vertical sutures are clearly visible, they run along a nearly regular circle (Fig. 1). Its eyes are relatively small, about as long as the scapus of the antennae. The antennae are brown, they consist of 28 segments. The scapus is relatively short, perceptibly shorter than the third segment, which is very long, longer than the 4-6th segments together (Fig. 2.). The length of its pronotum somewhat surpasses its breadth (Fig. 3.); its lateral margins are highly arcuate, it is chocolate-brown in colour. Elytra and wings are brown, the former do not reach the base of hind legs. The legs are pale brown. Abdomen considerably flattened and, apart from the last tergite which is yellow, they are dark brown in colour. The anal process (Fig. 4.) extends long, it is distinctly longer than wide, its elongated part is acute-angled, its apex is pointed, its lateral margins are slightly arcuate. Its cerci are longer by a third than the anal process, they are moderately curved. Its last sternite is boliquely cut off.

Together with the anal process the length of its body amounts to 10 mm, the cercus is 1.8 mm long.

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Male: unknown.

H o l o t y p e f e m a l e: Brazzaville-Congo, Bouenza cataract; Hungarian Congo Exp., No. 305 (singled in water-side forest), 30. 11. 1963, legit DR. J. BALOGH and DR. A. ZICSI. Deposited in the Hungarian Natural History Museum Budapest.

Taxonomic key to African Apachyus species

- 1 (4) In both sexes the width of the anal process surpasses its length; species of larger size, together with the cerci body length amounts to 22 mm or more; head yellowish or darker brown; lateral margins behind eyes converging posteriorad.
- 2 (3) Elytra dark-brown; head yellowish brown or brown; three basal segments of antennae are yellow, the others brown; anal process of males more prominent, with well-marked serration (Fig. 5); anal process of females triangular, short (Fig. 6). — Distribution: Central Africa, extending to both the west and east coasts, between 10° N and 20° S latitude:
depressus (BEAUVOIS, 1805)
- 3 (2) Elytra black, head brown or dark brown; three basal segments of antennae are yellow, the others black; anal process of male shorter and broader (Fig. 7); anal process of female rather long, with slightly convex margins. — Distribution: Central Africa, extending to either west or east coasts:

reichardi KARSCH, 1886

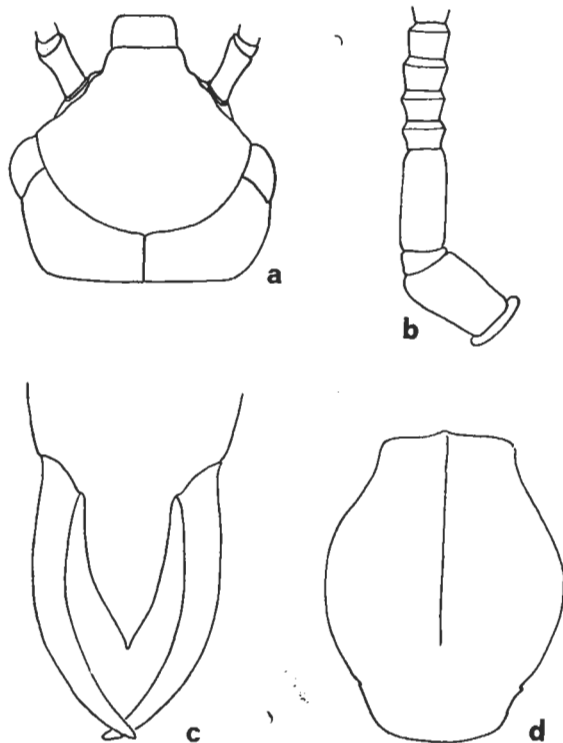


Fig. 1. *Apachyus baloghi* sp. nov. a: head; b: distal part of antenna; c: end of abdomen dorsally; d: pronotum

- 4 (1) Anal process of both sexes rather long, length equals or considerably surpasses breadth; medium-sized species, of 18–20 mm in length or smaller; head yellow; lateral margin behind eyes parallel, not converging.
- 5 (6) Insect of medium size, length of body together with cerci: 18–20 mm; abdomen yellow, feet pale yellow. Length of the anal process approximately equals its width, that of the male (Fig. 8) is roughly rounded off, that of the female (Fig. 9) triangular; the point of the process the apical margins subtend a right angle. — Distribution: Central Africa:
murrayi DOHRN, 1863
- 6 (5) Insect of small size, together with the cerci the length of its body is 10.5 mm; abdomen for the most part brown, excepting the last tergite, which is ochre in colour; its feet are pale brown; anal process longer than wide, that of the female triangular (Fig. 4); at the apex of process margins enclose an acute angle. — Distribution: Brazzaville-Congo:
haloghi sp. nov.

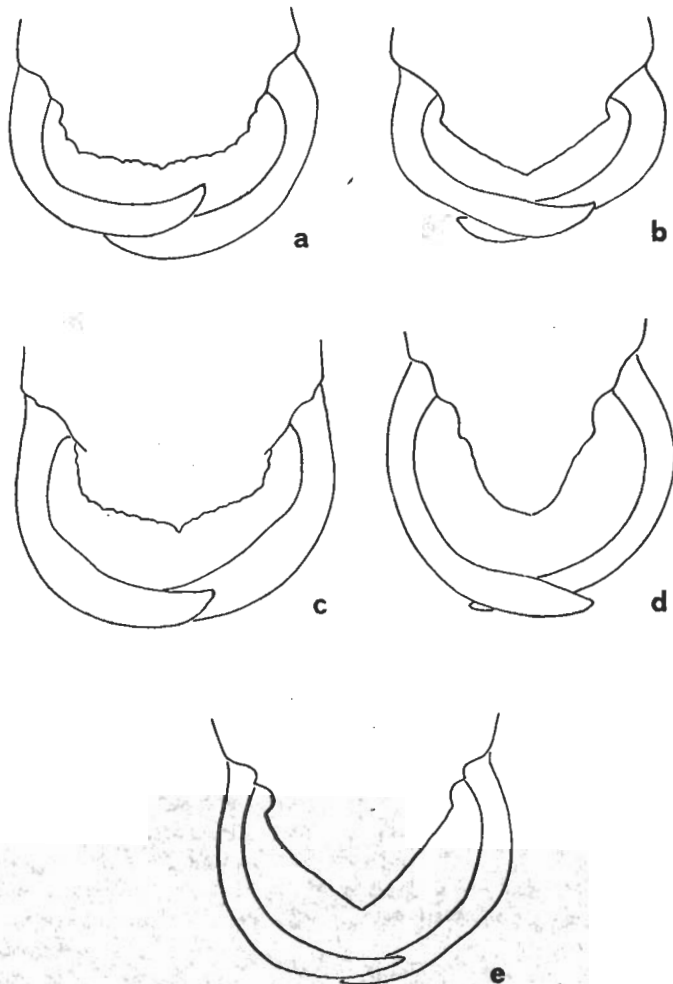


Fig. 2. End of abdomen dorsally, in: a: *Apachyus depressus* (BEAUVOIS), ♀; b: *Apachyus depressus* (BEAUVOIS), ♂; c: *Apachyus reichardi* KARSCH, ♀; d: *Apachyus murrayi* DOHRN, ♀; e: *Apachyus murrayi* DOHRN, ♂

ZUSAMMENFASSUNG

Apachyus baloghi sp. nov. (Dermaptera: Apachyidae) aus Brazzaville-Kongo

Der Verfasser beschreibt die von Prof. BALOGH aus dem Brazzaville-Kongo gesammelte *Apachyus baloghi* sp. nov. und gibt den Bestimmungsschlüssel der afrikanischen Arten der Gattung *Apachyus* an.