

Coridius pseudaffinis, a new species of the Dinidoridae (Hemiptera: Heteroptera) from Ghana, and new records for several other Afrotropical species of the family

BARBARA LIS

(With 8 figures)

Abstract

Coridius pseudaffinis sp. n. from Ghana is described, and compared with its relatives. Following species are recorded for the first time from the respective African countries: *Cyclopetta funebris* (F.) from Liberia and Mozambique, *Coridius putoni* (Bol.) from Cameroon, *Coridius lividus* (Dist.) from Angola, *Coridius deckerti* Lis from Zaire and Central African Republic.

Introduction

The family Dinidoridae was revised several years ago (Durai 1987); nevertheless since that revision a few new taxa (both genera and species) have been described from the Old World regions (Lis 1990, 1992). During my study on the material of Dinidoridae borrowed from the Zoological Museum Hamburg I have found specimens of four species not recorded hitherto from certain African countries. Moreover, one specimen from Ghana represents a species new to the science and it is described below.

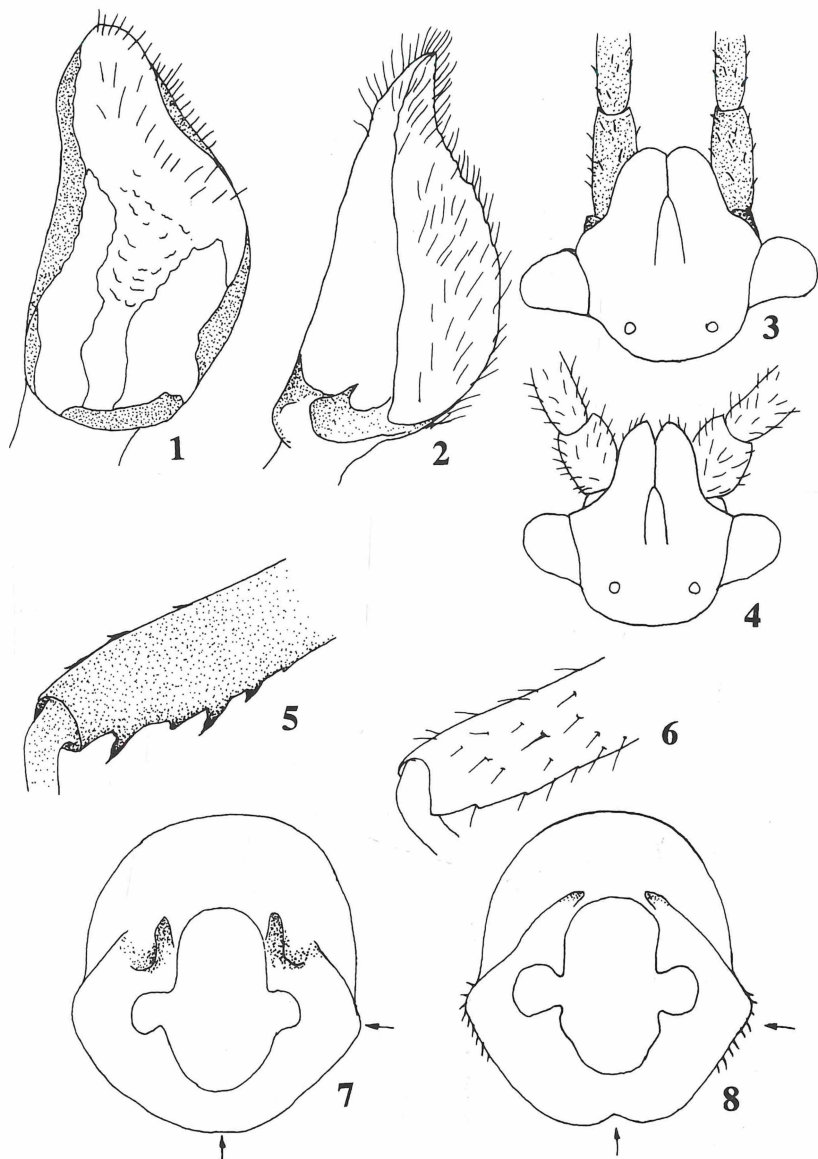
Description of the species

Coridius pseudaffinis sp. n.

(Figs. 1, 3, 5, 7)

DESCRIPTION: Body length 14,1 mm; body width 8,7 mm. Head yellowish brown, with darker edges; paraclypei longer than clypeus (Fig. 3); eyes brown, ocular index 2,91; ocelli yellow; antennal segments 1st to 3rd black, 1st antennal segment cylindrical, extending distinctly beyond apex of the head, 2nd antennal segment distinctly (1,32 times) longer than 3rd, both flattened; length of antennal segments (in mm): 0,76: 1,41: 1,07: 4th and 5th missing.

Pronotum yellowish brown; scutellum likewise, but a little darker in shade in its basal part. Corium yellowish brown, membrane darker in shade. Connexiva uniformly coloured, yellowish brown. Venter pale brown. Legs black, femora distinctly spined



Figs. 1,3,5,7: *Coridius pseudaffinis* sp. n. Figs. 2,4,6,8: *Coridius affinis* (Costa):1-2. paramere, 3-4. head with 1st antennal segment, 5-6. femur, 7-8. male genital capsule.

(Fig. 5). Paramere as in Fig. 1. Male genital capsule with rounded lower margin; its opening as in Fig. 7.

TYPE MATERIAL: Holotype male: Ghana: "Ora aurea" [= Gold Coast], "Schluter V.", with no further data; deposited in the Zoological Museum Hamburg.

COMPARATIVE NOTES: *Coridius pseudaffinis* n. sp. is clearly separable from all other species of the genus [except *C. divergens* (Dist.) and *C. affinis* (Costa)] by its uniformly yellowish brown dorsal side of the body.

The new species differs from Oriental *C. affinis* in the colour of its legs and antennae (*C. pseudaffinis* - black, *C. affinis* - brown), in the presence of distinct spines on femora - Fig. 5 (unspined femora in *C. affinis* - Fig. 6), in the length ratio of the 2nd and 3rd antennal segments (2nd segment 1.3 times longer than 3rd in *C. pseudaffinis*; 2nd antennal segment distinctly shorter than 3rd in *C. affinis*), and in the shape of parameres (*C. pseudaffinis* - Fig. 1; *C. affinis* - Fig. 2) and genital capsule (*C. pseudaffinis* - Fig. 7; *C. affinis* - Fig. 8). Additionally, the body of *C. pseudaffinis* is less hairy than in *C. affinis* (hairs are absent on paraclypei, buccula, rostrum, and on lateral margins of genital capsule in the first species, while hair-covering of these body parts are conspicuous in the former).

From its African congener (*C. divergens*), the new species can be easily separated by its body length (*C. pseudaffinis* - 14.1 mm; *C. divergens* - over 20.0 mm), and by not protruding postero-lateral angles of pronotum (these angles are conspicuously projecting beyond the humeral angles of elytra in *C. divergens*).

New country records

Cyclophelta funebris (Fabricius)

Material examined: Liberia: 2 males - Monrovia, 25.1.56, F. Zieliński leg., Eing. Nr. 15, 1956, Z.M.H. Hamburg; Mozambique: 2 males - Landsch. Mecutine, 1- 31. 8. 1926, Z.M.H. Hamburg.

New to Liberia and Mozambique.

Coridius putoni (Bolivar)

Material examined: Cameroon: 1 male and 1 female - Kamerun, Bakossi-Geb., Ed. Wagner ded., Eing. Nr. 170, 1932, Z.M.H. Hamburg.

New to Cameroon.

Coridius lividus (Distant)

Material examined: Angola: 1 male - Piri Dembos, 24. 9. 1952, Hbg. Angola Exp. Eing. Nr. 2, 1954, Z. M. H. Hamburg; 1 male - Portug. W. Afrika, Pango Quibexi, Angola 1929, Jos. Eberl leg., Eing. Nr. 172, 1929; Z.M.H. Hamburg

New to Angola.

Coridius deckerti Lis

Material examined: Zaire: 1 male - Belg. Kongo, Duma, Ubangi - Distr., Dr. H. Schubotz leg. 23. IX. 1910; Central African Republic: 1 female - Fort Sibut, 20. XI. 1910, Französ. Kongo, Dr. H. Schubotz leg., Inner-Afrika-Exped., d. Hr. Adolf-Friedrich zu Mecklenburg 1910 - 1911, *Aspon-gopus* sp., Dr. H. Lehmann det. 1920, Z. M. H. Hamburg.

The species was described recently and was known to date only from Equatorial Guinea (Lis 1990). New to Zaire and Central African Republic.

Acknowledgements

I would like to express my gratitude to Prof. Dr. H. Strümpel (Zoological Museum Hamburg) for the loan of the material relevant to the study.

Zusammenfassung

Es wird eine neue Wanzenart, *Coridius pseudoaffinis* sp. n. (Heteroptera, Dinidoridae) aus Ghana beschrieben, und weitere Arten aus dieser Gattung werden zum ersten Mal aus sechs afrikanischen Staaten gemeldet. Es handelt sich dabei um *Cyclopelta funebris* (F.) aus Liberia und Mozambique, *Coridius putoni* (Bol.) aus Kamerun, *Coridius lividus* aus Angola sowie *Coridius deckeri* Lis aus Zaire und der Zentralafrikanischen Republik.

References

- Durai, P.S.S., 1987: A revision of the *Dinidoridae* of the World (*Heteroptera: Pentatomoidea*). - *Oriental Insects*, 21: 163 - 360. New Delhi.
- Lis, J.A., 1990: New genera, new species, new records and checklist of the Old World Dinidoridae (*Heteroptera: Pentatomoidea*). - *Ann. Upper Silesian Mus., Entomology*, 1: 103 - 147. Bytom.
- Lis, J.A., 1992: New records of Oriental and Australian *Dinidoridae* with descriptions of two new species (*Heteroptera: Pentatomoidea*). - *Ann. Upper Silesian Mus., Entomology*, 3: 35 - 43. Bytom.

Author's address:

Barbara Lis, Department of General Zoology, University of Opole, Oleska 22, 45-052 Opole, Poland.

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg](#)

Jahr/Year: 1996

Band/Volume: [12](#)

Autor(en)/Author(s): Lis Barbara

Artikel/Article: [Coridius pseudaffinis, a new species of the Dinidoridae \(Hemiptera: Heteroptera\) from Ghana, and new records for several other Afrotropical species of the family 51-54](#)