

Coleocydnus madagascariensis n. sp. from Madagascar
(Hemiptera: Heteroptera: Cydnidae)

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ABSTRACT. *Coleocydnus madagascariensis* n. sp. from Madagascar is described, illustrated and compared with the previously known species of the genus, *C. ernsti* LIS. A key to the species is given.

Key words: Entomology, taxonomy, Hemiptera, Heteroptera, Cydnidae, *Coleocydnus*, new species, Madagascar.

The genus *Coleocydnus* was described not long ago (LIS 1994) for the new species, *C. ernsti*, from Rwanda and Zaire. In the material from the Staatliches Museum für Naturkunde Stuttgart, I found four specimens collected in Madagascar and representing the genus, but not conspecific with *C. ernsti* LIS. They belong to a new species, which is described below.

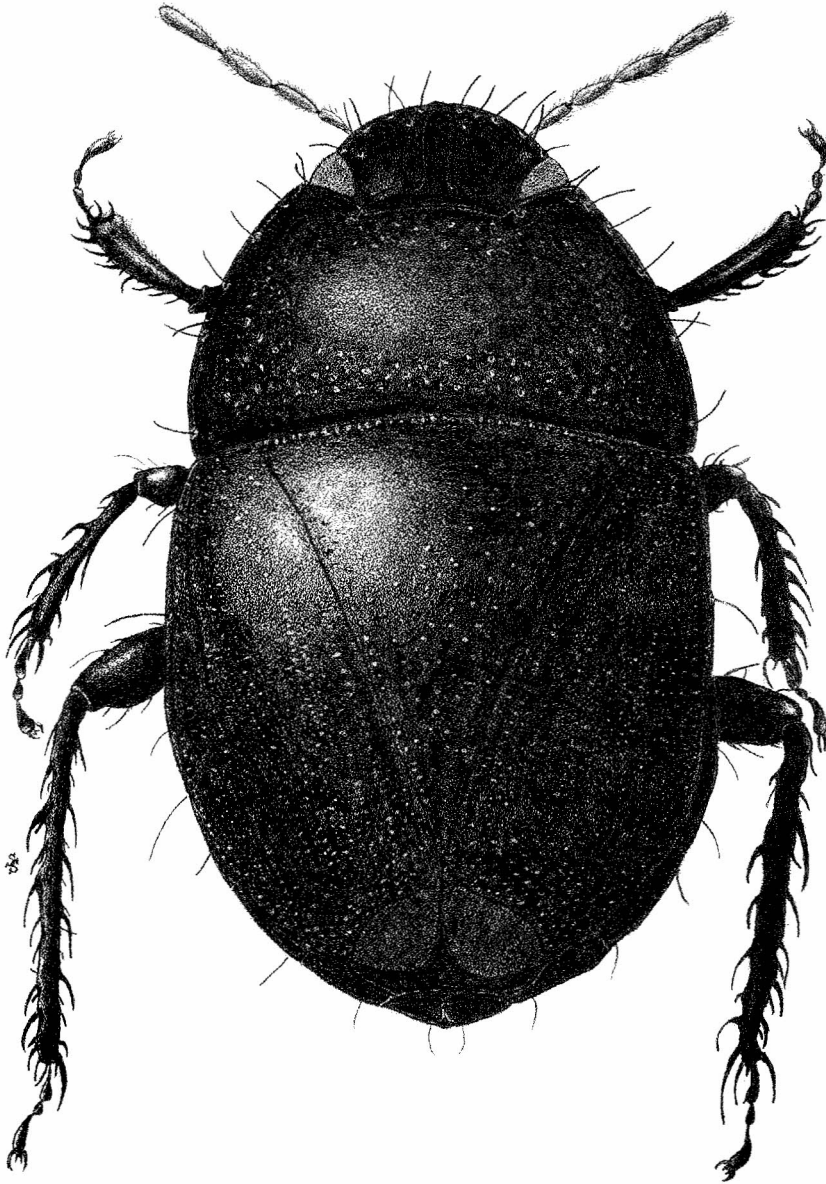
Coleocydnus madagascariensis n. sp.

DIAGNOSIS

The new species can easily be separated from *C. ernsti* by its large black body (6.85-7.45 mm in length), since the latter has reddish brown or dark castaneous body and is conspicuously smaller (4.95-5.69 mm in length).

Additionally, the two species differ also in the number of setigerous punctures on the costa (2 in *C. madagascariensis*, 0-1 in *C. ernsti*), the ocular index (3.5-4.2 in *C. madagascariensis*, 4.4-4.8 in *C. ernsti*), the shape of antennae (segments more slender in *C. madagascariensis*, more rounded in *C. ernsti*), and in the puncturation

of scutellum (scutellar disc with coarse punctures in *C. madagascariensis*, scutellar disc impunctate in *C. ernsti*).

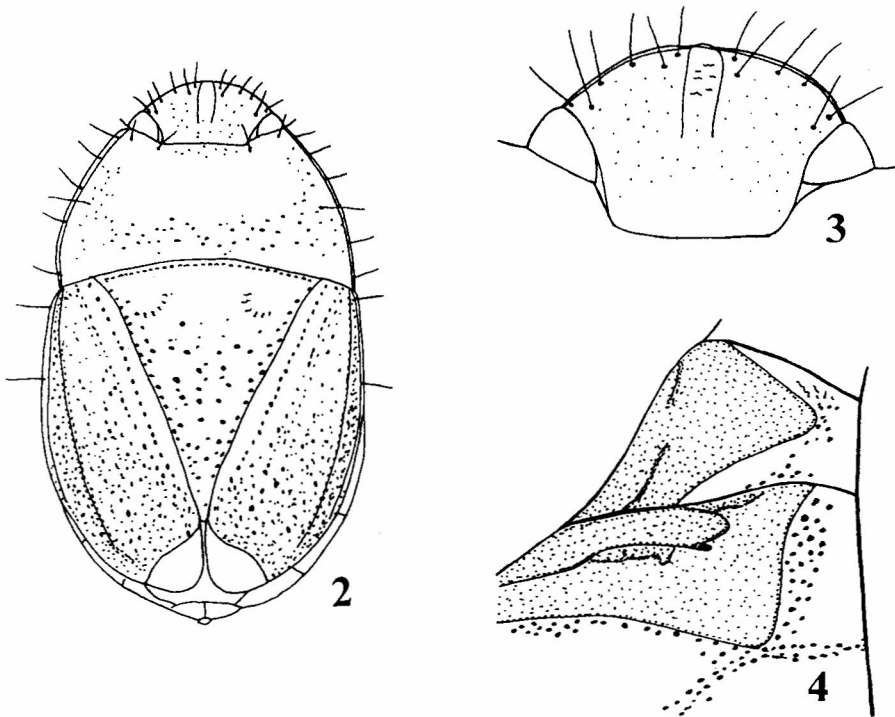


1. *Coleocydnus madagascariensis* n. sp.: general habitus

DESCRIPTION

Body (fig. 1) black, polished.

Head (fig. 3): Punctate with numerous tiny, hardly visible punctures; paraclypei additionally slightly wrinkled; clypeus transversely striated, as long as paraclypei, subapically without setigerous punctures; each paraclypeus with a submarginal row of 3-4 setigerous punctures, bearing hair-like setae; eyes reddish-brown, narrow, almost for 3/4 width immersed in the head, each eye with apical seta, ocular index 3.5-4.2; ocelli absent; antennae pale brown, segments slender; rostrum brown, reaching mid coxae.



2-4. *Coleocydnus madagascariensis* n. sp.: 2 - general body punctation and vestiture, 3 - head, 4 - evaporatoria

Thorax: Pronotum (fig. 2) with a few tiny punctures behind head, several in lateral parts, and a band of coarse punctures behind the middle of disc; each lateral margin with a row of 5 submarginal setigerous punctures. Scutellum (fig. 2) very long, almost reaching 3/4 abdomen length; scutellar disc with well separated coarse punctures larger than those on pronotum. Corium (fig. 2) longer than scutellum, coarsely punctured with large punctures; clavo-corial suture absent; costal margins depressed, each with 2 setigerous punctures; membrane brown, small and flap-like,

not surpassing the tip of abdomen. Propleuron alutaceous, bearing numerous tiny wrinkles on anterior convexity, and numerous coarse punctures in the depression. Evaporatoria as in *C. ernsti*, but lateral areas with coarser puncturation (fig. 4). Legs black or blackish-brown, tarsi pale brown; inner side of mid and hind tibiae flattened, tibial margins with long and strong spines.

Abdomen: Sternites smooth in the middle, laterally coarsely punctured and transversely striated.

Measurements (in mm) (females only): body length 6.85-7.45, body width 4.19-4.44, head length 1.05-1.20, head width 1.88-2.02, pronotum length 2.02-2.20, pronotum width 3.85-4.12, scutellum length 3.39-3.59, scutellum width 2.56-2.76, antennal segments 0.36-0.39, 0.46-0.54, 0.44-0.46, 0.58-0.61, 0.61-0.66.

TYPE MATERIAL

Holotype female: Madagascar, Forêt de Kirindy, März 1990, leg. M. BUTTERWECK et al. Paratypes: 3 females, the same data as the holotype. The holotype and two paratypes housed in the collection of the Staatliches Museum für Naturkunde Stuttgart (Germany), the third paratype in the author's collection.

ETYMOLOGY

Named after the type locality, Madagascar.

KEY TO THE SPECIES OF *COLEOCYDNUS*

1. Body black, larger, about 6.8-7.5 mm in length; costa with 2 submarginal setigerous punctures bearing long hair-like setae *madagascariensis*
- Body reddish-brown or dark castaneous, smaller, about 4.9-5.7 mm in length; costa without or with a single setigerous puncture bearing long hair-like seta *ernsti*

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REFERENCES

- LIS, J.A. 1994. *Coleocydnus ernsti* gen. et sp. n., a coleopteroid representative of burrower bugs from tropical Africa, and new records of three recently described African species of the family (*Heteroptera: Cydnidae*). Genus, Wrocław, 5 (3): 187-192.