

New or interesting Dermestidae (Coleoptera) from Ivory Coast

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Abstract. The species *Trinoparvus genieri* sp. nov. from Ivory Coast is described, illustrated and compared with similar species, and included in a key. The species *Anthrenus (Anthrenodes) sarahae* Háva & Coache, 2023 is recorded for the first time from the Ivory Coast. New locality data from Ivory Coast are added for *Orphinus (Orphinus) geiseri* Háva & Matsumoto, 2021, *Thaumaglossa conradti* Pic, 1927, *Trinodes tonkouiensis* Háva & Matsumoto, 2021. A list of species recorded from the Ivory Coast is presented.

INTRODUCTION

The family Dermestidae (Coleoptera) is poorly known from Ivory Coast. Although recently studied by Háva (2022) and Háva & Matsumoto (2021a-c), only 17 species are known from Ivory Coast (Háva 2024). The present article summarizes unidentified material collected by François Génier (Gatineau, Québec, Canada) in Ivory Coast, including one species newly recorded and the description of a new species.

MATERIAL AND METHODS

The size of the beetles or of their body parts can be useful in species recognition and thus, the following measurements were made:

TL: total length - linear distance from anterior margin of pronotum to apex of elytra.

EW: elytral width - maximum linear transverse distance.

The nomenclature and zoogeography follow Motyka et al. (2022) and Háva (2024).

The mentioned material deposited in the following collections:

CMNC Canadian Museum of Nature, Gatineau, Québec, Canada;

FGIC François Génier collection, Gatineau, Québec, Canada;

JHAC Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic.

Specimens of the presently described species are provided with red, printed label with text as follows: „HOLOTYPE [or PARATYPE] *Trinoparvus genieri* sp. nov. Jiří Háva det. 2024”.

RESULTS

Subfamily Megatominae Leach, 1815

Anthrenus (Anthrenodes) sarahae Háva & Coache, 2023

Material examined: Côte D'Ivoire: Montagnes: Site 22-TD, Mont-Tonkoui, 1100 m, 07°26'58''N, 07°38'20''O, 20.XI-2.XII.2022, forêt de nuage a *Parinari*, piège interception de vol, F. Génier: 2022-06, 1 spec., (FGIC).

Distribution. This species is known from Benin (Háva & Coache, 2023). New to Ivory Coast.

Orphinus (Orphinus) geiseri Háva & Matsumoto, 2021

Material examined: Côte D'Ivoire: Montagnes: Site 22-TD, Mont-Tonkoui, 1100 m, 07°26'58''N, 07°38'20''O, 20.XI-2.XII.2022, forêt de nuage a *Parinari*, piège interception de vol, F. Génier: 2022-06, 1 ♂, 1 ♀, (FGIC, JHAC); Site 22-TC, Mont-Tonkoui, 1125 m, 07°27'00''N 07°38'08''O, 19.XI-2.XII.2022, forêt de nuage a *Parinari*, piège interception de vol, F. Génier: 2022-05, 2 ♀♀, (FGIC).

Distribution. This species is known from Ivory Coast (Háva & Matsumoto 2021a). New locality data from Ivory Coast.

Note. This species was described based on a male specimen; females differ by the smallest terminal antennomere, other morphological characters are identical.

Thaumaglossa conradti Pic, 1927

Material examined: Mont-Tonkoui, 1000-1200 m, 07°27'N 07°38'O, 22-26.XI.2019, forêt de nuage, filet battoir, F. Génier: 2019-37, 1 ♀, (FGIC, JHAC).

Distribution. This species is known from Cameroon; Congo; Ghana; Guinea Ecuatorial; Ivory Coast; Liberia; Nigeria; South Africa; Togo and Uganda (Háva 2024).

Subfamily Trinodinae Casey, 1900

Trinodes tonkouiensis Háva & Matsumoto, 2021

Material examined: Côte D'Ivoire: Montagnes: Site 22-TD, Mont-Tonkoui, 1100 m, 07°26'58''N, 07°38'20''O, 20.XI-2.XII.2022, forêt de nuage a *Parinari*, piège interception de vol, F. Génier: 2022-06, 6 spec., (5 FGIC, 1 JHAC); Mont-Tonkoui, 1100-1200 m, 07°27'N 07°38'O, 19.XI-2.XII.2022, forêt de nuage a *Parinari*, filet battoir, F. Génier: 2022-02, 2 spec., (FGIC, JHAC); Site 22-TA, Mont-Tonkoui, 1160 m, 07°27'14''N 07°38'07''O, 19.XI-2.XII.2022, forêt de nuage a *Parinari*, piège interception de vol, F. Génier: 2022-03, 4 spec., (3 FGIC, 1 JHAC); Kim 1.3 piste du Mont-Tonkoui, 1110 m, 07°27'09''N 07°38'26''O, 23.XI.2019, F. Génier & A. Gué, forêt de nuage, piège interception de vol, F. Génier: 2019-25, 1 spec., (FGIC); Sommet, Mont-Tonkoui, 1200 m, 07°27'15''N 07°38'13''O, 27.XI.2019, , F. Génier & A. Gué, forêt de nuage, piège interception de vol, F. Génier: 2019-42, 1 spec., (FGIC); Site 22-TC, Mont-Tonkoui, 1125 m, 07°27'00''N 07°38'08''O, 19.XI-2.XII.2022, forêt de nuage a *Parinari*, piège interception de vol, F. Génier: 2022-05, 1 spec., (FGIC); Site 22-TB, Mont-Tonkoui,

1110 m, 07°27'05''N 07°38'09''O, forêt de nuage a *Parinari*, piège interception de vol, F. Génier: 2022-04, 1 spec., (FGIC).

Distribution. This species is known from Ivory Coast (Háva & Matsumoto 2021b).

Trinoparvus genieri sp. nov.

(Figs. 1-4)

Type material. Holotype (♀): Site 22-TA, Mont-Tonkoui, 1160 m, 07°27'14''N 07°38'07''O, 19.XI-2.XII.2022, forêt de nuage a *Parinari*, piège interception de vol, F. Génier: 2022-03, 4 spec., (CMNC). Paratype (♀): Site 22-TB, Mont-Tonkoui, 1110 m, 07°27'05''N 07°38'09''O, forêt de nuage a *Parinari*, piège interception de vol, F. Génier: 2022-04, (JHAC).

Description. Female. Body (Figs. 1-3) dark brown on dorsal and ventral surfaces, shiny, convex, oval, with semierect, short, light brown setation. Measurements (mm): TL 1.0-1.1 EW 0.8.

Head very large, finely punctate with erect, long, brown, semierect setation; maxillary and labial palpomeres yellowish-brown; setation on mentum denser. Ocellus present on front. Antennae yellow, with 10-antennomeres, antennal club with 3-antennomeres (Fig. 4).

Pronotum finely punctate as on head, with erect, short, semierect, brown setation, anterior angles not visible from above.

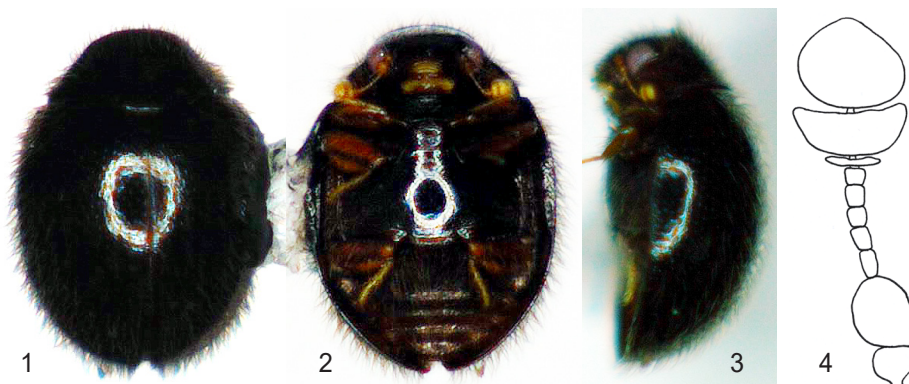
Scutellum small, triangular, without setation.

Elytra finely punctate as on head and pronotum with short, semierect, long, brown setation. Epipleura long, broad, brown with brown setation. Each elytron with small depressions near scutellum.

Prosternal process straight, broad, without tip. Metasternum shining, finely punctate, with semierect, short, brown setation and with long striae near coxa.

Legs brown with long brown setae.

Abdominal ventrites brown, finely punctate with short, semierect, brown setation; first visible abdominal ventrite with long striae near post-coxal line.



Figs. 1-4. *Trinoparvus genieri* sp. nov.: 1- habitus, dorsal aspect; 2- habitus, ventral aspect; 3- habitus, lateral aspect; 4- antenna.



Figs. 5-6. Type locality of *Trinoparvus genieri* sp. nov.: 5- Site 22-TA (trap); 6- Site 22-TB (trap) (photo by F. Génier).

Male. Unknown.

Differential diagnosis. The genus *Trinoparvus* Háva, 2004 currently contains four species. The new species can be differentiated based on the following characters.

- 1(6) Elytral cuticle unicolorous
- 2(5) Each elytron with small depressions (bump) near scutellum
- 3(4) Setation on dorsal and ventral surfaces are very long and erect; metasternum with small striae near coxa; first visible abdominal ventrite with small striae near post-coxal line (Madagascar) *Trinoparvus laboriosus* Háva, 2004
- 4(3) Setation on dorsal and ventral surfaces are short and semierect; metasternum with long striae near coxa; first visible abdominal ventrite with small striae near post-coxal line (Ivory Coast) *Trinoparvus genieri* sp. nov.
- 5(2) Each elytron without small depression (bump) near scutellum; metasternum without small striae near coxae; first visible abdominal ventrite without small striae near post-coxal line (New Caledonia) *Trinoparvus villosus* Háva, 2004
- 6(1) Elytral cuticle bicolorous
- 7(8) Each elytron with two large reddish circular spots (Thailand) *Trinoparvus majeri* Háva, 2014
- 8(7) Elytral suture light brown, other parts black to dark brown (Australia: Queensland) *Trinoparvus suturalis* Háva, 2019

Etymology. Patronymic, dedicatd to my friend and collector of the new species, entomologist François Génier (Gatineau, Québec, Canada).

LIST OF SPECIES RECORDED FROM IVORY COAST

Subfamily Dermestinae Latreille, 1804

- Dermalius maximus* (Pic, 1915)
- Dermestes* (*Dermestes*) *ater* DeGeer, 1774
- Dermestes* (*Dermestinus*) *maculatus* DeGeer, 1774

Subfamily Trinodinae Casey, 1900

- Evorinea rufotestacea* (Pic, 1952)
- Trinodes tonkouiensis* Háva & Matsumoto, 2021
- Trinoparvus genieri* sp. nov.

Subfamily Attageninae Laporte de Castelnau, 1840

- Attagenus fasciatus* (Thunberg, 1795)
- Attagenus nigripennis* Arrow, 1915
- Attagenus matsumotoi* Háva, 2022
- Attagenus robustior* (Pic, 1951)

Subfamily Megatominae Leach, 1815

Anthrenus (Anthrenodes) sarahae Háva & Coache, 2023 (new record)
Anthrenus (Anthrenops) endroedyi Háva, 2003
Anthrenus (Anthrenus) paulyi Háva, 2003
Anthrenus (Anthrenus) flavipes LeConte, 1854
Ctesias (Tiresiomorpha) taiensis Háva & Matsumoto, 2021
Orphinus (Orphinus) geiseri Háva & Matsumoto, 2021
Thaumaglossa conradti Pic, 1927
Thaumaglossa ghana Háva, 2002
Thaumaglossa rufiventris Pic, 1927

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