

Two new species of *Anthrenus pimpinellae* species group (Coleoptera: Dermestidae: Megatominae) from Morocco

Два новых вида группы *Anthrenus pimpinellae* (Coleoptera: Dermestidae: Megatominae) из Марокко

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Key words: Taxonomy, new species, Coleoptera, Dermestidae, Megatominae, *Anthrenus*, Morocco, Tunisia.

Ключевые слова: таксономия, новый вид, Coleoptera, Dermestidae, Megatominae, *Anthrenus*, Марокко, Тунис.

Abstract. Two new species, *Anthrenus (Anthrenus) lackneri* Háva, sp.n. and *Anthrenus (Anthrenus) novaki* Háva, sp.n. both from Morocco are described, illustrated and compared with similar species. The occurrence of *Anthrenus (Anthrenus) goliath* Saulcy in Mulsant et Rey, 1868 in Tunisia is confirmed.

Резюме. В статье описываются два новых вида: *Anthrenus (Anthrenus) lackneri* Háva, sp.n. и *Anthrenus (Anthrenus) novaki* Háva, sp.n. из Марокко. Подтверждено присутствие *Anthrenus (Anthrenus) goliath* Saulcy в Mulsant et Rey, 1868 в Тунисе.

Introduction

The *Anthrenus pimpinellae* species group has recently been studied, with new taxa being described from the Palaearctic Region. Thirty-three species belong to the species group [Háva, 2025; Holloway, Herrmann, 2025]. The following species have been recorded from Morocco: *Anthrenus (Anthrenus) angustefasciatus* Ganglbauer, 1904, *A. (A.) delicatus* Kiesenwetter, 1851, *A. (A.) festivus* Erichson, 1846, *A. (A.) isabellinus* Küster, 1848, *A. (A.) munroi* Hinton, 1943, *A. (A.) smetanai* Kadej et Háva, 2011, *A. (A.) valenzuelai* Holloway et Herrmann, 2024.

Herein, further two new species from Morocco are described.

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: total length (TL) — linear distance from anterior margin of pronotum to apex of elytra; elytral width (EW) — maximum linear transverse distance.

Deposition of mentioned material: JHAC — Jiří Háva, Private Entomological Laboratory & Collec-

tion, Únětice u Prahy, Prague-West, Czech Republic; NMED — Naturkundemuseum, Erfurt, Germany.

Colour photographs were taken by a Nikon Coolpix 990 digital camera through an MBS-10 binocular stereo microscope.

Type specimens are provided with the following red, printed label: «HOLOTYPE species name sp. nov. J. Háva det. 2025».

Nomenclatural acts introduced in the present work are registered in ZooBank (www.zoobank.org) under urn:lsid:zoobank.org:pub:8A83670E-75D6-4035-AA7D-BACE6704C66E

Taxonomy

***Anthrenus* Geoffroy, 1762**
Anthrenus (Anthrenus) lackneri Háva, sp.n.
Figs 1–5.

urn:lsid:zoobank.org:act:21B2884A-FBD3-466D-9010-A7CBBD228767

Material. Morocco: Holotype, ♂: «Morocco, Taroudant env., Sous Valley, 16.IV.1990, Z. Kejval lgt.» (JHAC).

Description. Male. Body convex, slightly rounded laterally; measurements: TL: 2.70 mm, EW: 1.80 mm. Body covered with oval-sub-triangular scales. Head visible from above; eyes large, convex, with internal, medial deep and broad emargination in anterior third. Median ocellus present. Frons and clypeus covered with orange scales. Clypeus emarginate. Labrum light brown and entire, with short tan setae on the dorsal surface. Antennae brown, with 11 antennomeres, antennal club brown, composed of 3 antennomeres (Fig. 2). Antennal fossa conforming to shape of antennal club. Dorsal and ventral surfaces of integument dark-brown, almost black, sparsely punctured, covered by white, brown and orange scales (Fig. 1). Pronotum covered with brown, orange and white scales; lateral declivity with white scales along margin and toward middle, disc mostly with brown scales; with only one spot of white scales intermixed with few brown scales on



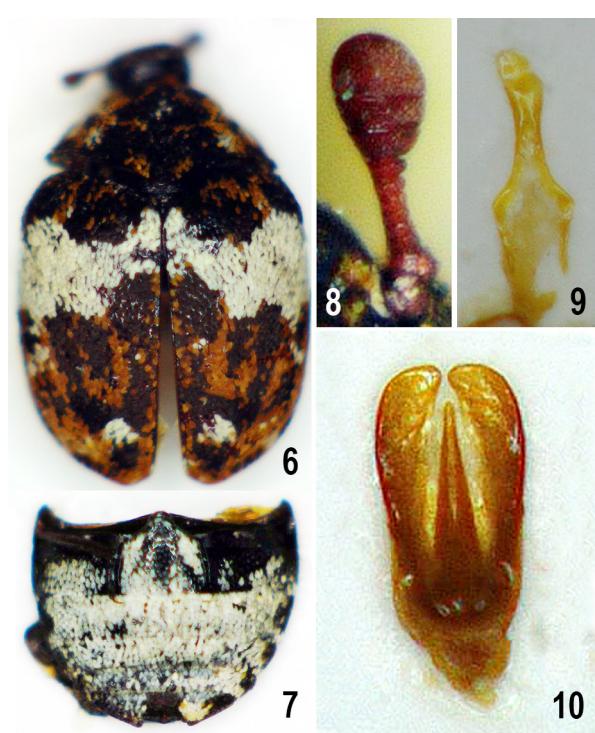
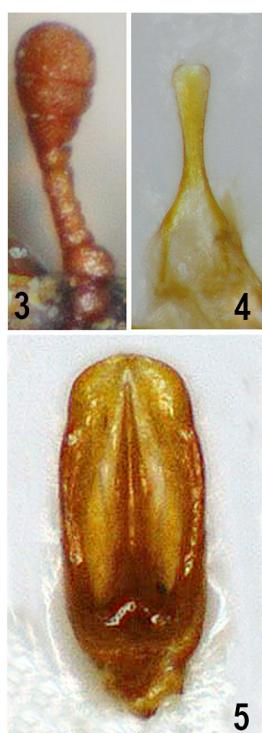
Figs 1–5. Details of morphology of *Anthrenus lackneri* sp.n., holotype, male. 1 — habitus, dorsal aspect; 2 — antenna; 3 — брюшко; 4 — 9th sternite; 5 — male genitalia.

Рис. 1–5. Детали строения голотипа самца *Anthrenus lackneri* sp.n. 1 — габитус, вид сверху; 2 — усик; 3 — брюшко; 4 — 9th sternite; 5 — гениталии самца.

central part of pronotum. Lateral margin of pronotum dilated above antennal fossa and visible from above. Scutellum small; faintly projected. Elytra covered with white, orange and brown scales (Fig. 1). White scales forming one transverse broad band, one patch near lateral margin of elytra under band and one small spot near posterior apical margin of elytron. Sub-basal band in anterior third complete, extending from suture under scutellum to humeri. Small patches with brown scales above sub-basal band present. A thin line of brown scales present along suture from middle of elytron to apex. Brown scales also present on margins of the sub-basal band and apical margins of elytron. Ventral surface white with patches of black scales present only on abdominal ventrites I–V (black scales cover posterior margin of ventrites I–V and the middle section of ventrite V); first abdominal ventrite with post-coxal lines, sulcus without scales. Abdominal ventrites as in Fig. 3. Pygidium black with sub-basal, transverse, carinate line with adjacent setae; yellowish orange setae limited to apical area. Sternite IX as in Fig. 4. Legs dark-brown, covered with white scales and black setae on dorsal surface. Tibiae without distinct teeth (tibial spines). Tarsus with two slightly curved claws. Male aedeagus as in Fig. 5.

Female. Unknown.

Differential diagnosis. The new species differs from all known and following Moroccan species belonging to the *A. pimpinellae* species group: *Anthrenus (Anthrenus) angustefasciatus* Ganglbauer, 1904, *A. (A.) delicatus* Kiesenwetter, 1851, *A. (A.) festivus* Erichson, 1846, *A. (A.) isabellinus* Küster, 1848, *A. (A.) munroi* Hinton, 1943, *A. (A.) smetanai* Kadej et Háva, 2011, *A. (A.) valenzuelai* Holloway et Herrmann, 2024, especially from *A. (A.) valenzuelai* Holloway et Herrmann, 2024 by the structure of antenna, 9th sternite and male genitalia.



Figs 6–10. Details of morphology of *Anthrenus novaki* sp.n., holotype, male. 6 — habitus, dorsal aspect; 7 — antenna; 8 — брюшко; 9 — 9th sternite; 10 — male genitalia.

Рис. 6–10. Детали строения голотипа самца *Anthrenus novaki* sp.n. 6 — габитус, вид сверху; 7 — усик; 8 — брюшко; 9 — 9th sternite; 10 — гениталии самца.

Etymology. Patronymic, dedicated to my very good friend Tomáš Lackner (Switzerland), a world known specialist in Histeridae (Coleoptera).

Anthrenus (Anthrenus) novaki Háva, sp.n.

Figs 6–10.

urn:lsid:zoobank.org:act:9C80822C-AE87-45A6-922C-93AFF-DA9CF0A

Material. Morocco: Holotype, ♂: «Morocco, Taroudant env., Sous Valley, 16.IV.1990, Z. Kejval lgt.» (JHAC).

Description. Male. Body convex, slightly rounded laterally; measurements: TL: 2.50 mm, EW: 1.8 mm. Body covered with oval-subtriangular scales. Head visible from above; eyes large, convex, with internal, medial deep and broad emargination in anterior third. Median ocellus present. Frons and clypeus covered with orange scales. Clypeus emarginate. Labrum light brown and entire, with short tan setae on the dorsal surface. Antennae brown, with 11 antennomeres, antennal club brown, composed of 3 antennomeres (Fig. 7). Antennal fossa conforming to shape of antennal club. Dorsal and ventral surfaces of integument dark-brown, almost black, sparsely punctured, covered by white, brown and orange scales (Fig. 6). Pronotum covered by brown, orange and white scales; lateral declivity with white scales along margin and toward middle, disc mostly with brown scales; with only one spot of white scales intermixed with few brown scales on central part of pronotum. Lateral margin of pronotum dilated above antennal fossa and visible from above. Scutellum small and faintly visible. Elytron covered by white, orange and brown scales (Fig. 6). White scales forming one transverse, broad band, one patch near lateral margin of elytra under band and one small spot near posterior apical margin of elytron. Sub-

basal band in anterior third complete, extending from suture under scutellum to humeri. Small patches with brown scales above the sub-basal band present. A thin line of brown scales present along suture from middle of elytron to apex. Brown scales also present on margins of sub-basal band and apical margins of elytron. Ventral surface white with patches of black scales present only on abdominal ventrites I–V (black scales cover posterior margin of ventrites I–V and the middle section of ventrite V); first abdominal ventrite with post-coxal lines; sulcus without scales. Abdominal ventrites as in Fig. 8. Pygidium black with sub-basal, transverse, carina-like line with adjacent setae; yellowish orange setae limited to apical area. Sternite IX (slightly deformed) as in Fig. 9. Legs dark-brown, covered with white scales and black setae on dorsal surface. Tibiae without distinct teeth (tibial spines). Tarsus with two slightly curved claws. Male aedeagus as in Fig. 10.

Female. Unknown.

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Etymology. Patronymic, dedicated to my very good friend Vladimír Novák (Prague, Czech Republic), a world known specialist in Tenebrionidae: Alleculinae (Coleoptera).

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Anthrenus (Anthrenus) valenzuelai

Holloway et Herrmann, 2024

Material. Morocco: 2♂♂, 3♀♀ — «N Morocco, env. Derdara, 35°08'24.4" N, 5°17'24.7" W, 08.V.2024, leg. C. Reuter», J. Háva det., (4 NMED, 1 JHAC); 5 spm. — «Morocco bor, Meknès env., Khémisset, 1.V.2008, Orszulik leg.», J. Háva det., (JHAC).

Notes. New localities for Morocco.

Anthrenus (Anthrenus) goliath

Saulcy in Mulsant et Rey, 1868

Material. Tunisia: 1♂, 2♀♀ — Siliana Gov., Siliana, 7–10 km SW str. for Maktahar, 8.V.2009, Angelini leg., J. Háva det., (JHAC).

Notes: Occurrence for Tunisia confirmed.

Acknowledgements

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