

***Anthrenus (Nathrenus) gorki* sp. n. from Greece (Coleoptera: Dermestidae: Anthrenini)**

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Abstract

Anthrenus (Nathrenus) gorki sp. n. is described, illustrated and compared with related species. The new species differs by the form of antennae and male genitalia. Type locality is northwestern Peloponnesos (Greece).

Zusammenfassung

Die neue Art *Anthrenus (Nathrenus) gorki* sp. n. wird aus Griechenland (Peloponnes) beschrieben. Sie unterscheidet sich durch die Form der Antennen und die männlichen Genitalien.

Key words: Coleoptera, Dermestidae, *Anthrenus*, taxonomy, new species, Greece

Introduction

The genus *Anthrenus* Geoffroy, 1762 contains about 220 species and subspecies worldwide (HÁVA 2003, 2008). Among the material from the subgenus *Nathrenus* Casey, 1900 of the genus *Anthrenus* Geoffroy, 1762 collected recently by German entomologists in Greece, a new species has been discovered.

Material and Methods

All measurements are given in millimeters:

- BL - body length (measured from the pronotal anterior margin to the apex of the elytra).
- BW - body width (measured between two antero-lateral humeral calli).
- PL - pronotum length (measured from the top of the anterior margin to scutellum).
- PW - pronotum width (measured between the two posterior angles of pronotum).

Specimens of the presently described species are signed with a red, printed label with text as follows: „HOLOTYPE [or PARATYPE, respectively] *Anthrenus (Nathrenus) gorki* sp. n. Jiří Háva det. 2008”.

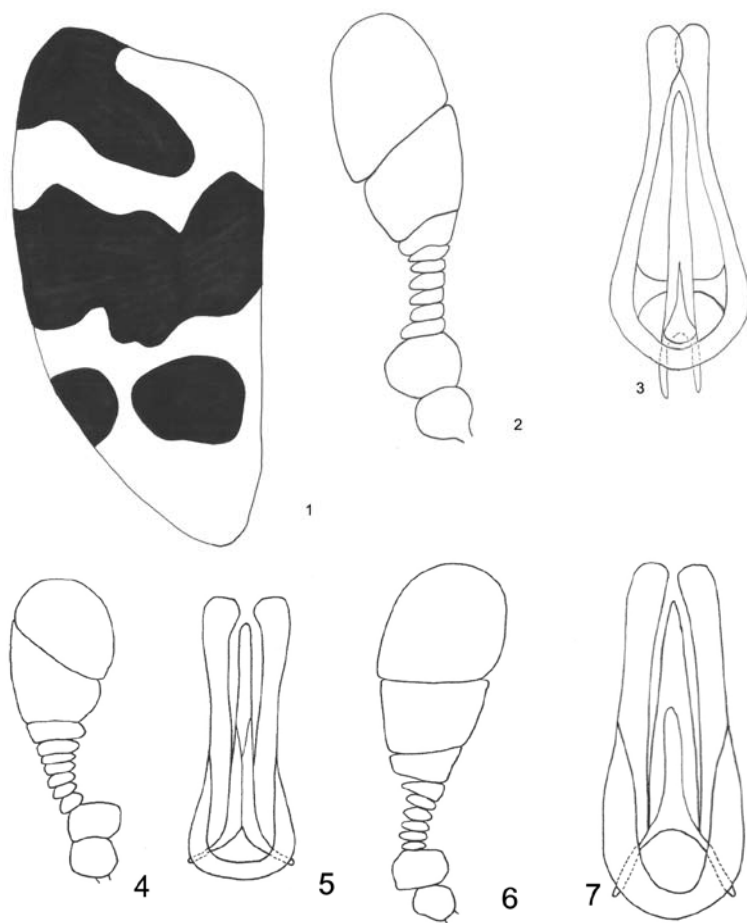
All material studied is deposited in the following collections:

- AWC coll. Andreas Weigel, Wernburg, Germany;
- HGC coll. Helge Gork, Jever, Germany;
- JHAC author's collection;
- NME Naturkundemuseum Erfurt, Germany.

Description***Anthrenus (Nathrenus) gorki* sp. n. (Figs 1–3)**

Type material. **Holotype** (male): Graecia mer., Kalogria/Peloponnes, 38°07'50"N, 21°22'56"E, 18.v.2007, Eichenwald, H. Gork leg., EKL Q2, (NME). **Paratypes:** (3 exx.): dtto, 1.vi.2007, Q4; (1 ex.): dtto, 15.vi.2007, Q3; (2 exx.): dtto, 1.vi.2007, Q2; (1 ex.): Graecia mer., Kalogria/Peloponnes, 38°07'32"N, 21°22'32"E, 15.vi.2007, Pinienwald, H. Gork leg., P2; (1 ex.): dtto, 1.vi.2007, P4; (1 ex.): dtto, 18.v.2007, P4; (2 exx.): dtto, 1.vi.2007, P1, (2 JHAC, 2 AWC, 2 HGC, 6 NME).

Description. Male. Body convex, elongate, covered by white, yellow and brown scales (BL: 2.37; BW: 1.65). Head with big convex eyes. Frons with median ocellus, covered with intermixed yellow and white scales. Antenna brown, 11-segmented, antennal club 3-segmented (Fig. 2), covered densely with brown pubescence. Antenna occupies whole cavity of antennal fossa. Antennal fossa completely open along lateral margin of the pronotum. Dorsal and ventral surface of integument dark brown, slightly punctuated, covered with scales. Individual scales are long and setiform. Pronotum (PL: 0.62; PW: 1.31): covered with mixed yellowish (almost red) and dark brown scales in the central part, white scales on the angles and lateral parts. Elytra covered with white, brown and yellowish scales. Each elytron with three transverse fasciae covered by intermixed white and yellow scales, other parts with brown scales (Fig. 1). Ventral surface with white scales. Legs brown,



Figs 1–7.

Anthrenus (Nathrenus) gorki sp. n.:

1 - left elytron, dorsal aspect;

2 - antenna of male;

3 - male genitalia;

A. (N.) zahradniki Háva, 2003:

4 - antenna of male;

5 - male genitalia;

A. (N.) biskrensis Reitter, 1886:

6 - antenna of male;

7 - male genitalia.

covered with white scales and short white setae dorsally. Tarsus with two claws slightly curved. Male genitalia as in Fig. 3. Female externally similar to the male.

Variability. Body (BL: 2.15–2.65; BW: 1.51–1.85). Elytral brown patterns varified in largest.

Differential diagnosis. The new species belongs to the subgenus *Nathrenus* Casey, 1900 and is habitually very similar to *A. (N.) biskrensis* Reitter, 1886 and *A. (N.) zahradniki* Háva, 2003, but differs from them by the form of elytral patterns, form of male genitalia and antennae (Figs 4–7).

Bionomy. The new species was collected with flight interception traps during an analysis of xylobiontic Coleoptera in Strofilia Forest near Kalogria (northwestern Peloponnesos, Map. 1). Diluted vinegar was used as preservative agent for the traps. Therefore the species

could be attracted either by the vinegar or by dead insects lying the traps. The specimens were recorded in two different types of forests: a very open *Quercus macrolepis* forest (7 specimens) and a dry forest dominated by *Pinus pinea* and *Pinus halepensis* (5 specimens). The underg-round of the oak forest was covered by *Pteridium aquilinum*, grasses and aphodill, whereas open parts of the pine forest were covered by a large number of different shrubs, grasses and herbs (photos 1, 2). *A. gorki* sp. n. was recorded in the period between May 05 and June 15, 2007. The new species was collected together with *A. (A.) pimpinellae pimpinellae* (Fabricius, 1775), *A. (A.) scrophulariae albidus* Brullé, 1832, *Orphilus beali* Zhantiev, 2001 and *Attagenus* cf. *doricus* Zhantiev, 2007.

Name derivation. Patronymic, named according to the collector of the new species Mr. Helge Gork, Jever, Germany.

Acknowledgements

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References

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Map. 1. Map of the Peloponnesos with the type location of the new species



Photos 1–2.
Habitats of the
new species
(photos by H.Gork).

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