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A new species of the genus *Anthrenus* Geoffroy, 1762 (Coleoptera: Dermestidae) from South Africa.

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Abstract: *Anthrenus (Nathrenus) cylindricornis* **sp. nov.** from South Africa is described and illustrated.
Key words: Coleoptera, Dermestidae, *Anthrenus*, taxonomy, new species, South Africa.

Resumen: Una nueva especie del género *Anthrenus* Geoffroy, 1762 (Coleoptera, Dermestidae) de Sudáfrica. Se describe e ilustra *Anthrenus (Nathrenus) cylindricornis* **sp. nov.** de Sudáfrica.
Palabras clave: Coleoptera, Dermestidae, *Anthrenus*, taxonomía, nueva especie, Sudáfrica.

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Introduction

During the determination of some material from South Africa collected by the German coleopterist Uwe Heinig, a so far unknown species of the genus *Anthrenus* Geoffroy, 1762, belonging to subgenus *Nathrenus* Casey, 1900, has been detected. The genus *Anthrenus* includes around 270 valid species world wide, of which about 70 are members of the subgenus *Nathrenus* (Kadej & Háva 2013, Háva & Ahmed 2014). In South Africa the subgenus *Nathrenus* includes the majority of species of *Anthrenus*, and many more are still waiting in the collections of several museums for description. Up to now 15 different valid species of this subgenus have been recorded from that country, and so the new species hereby described is the 16th *Nathrenus* for the fauna of South Africa.

Material and Methods

All specimens were glued onto cardboard plates, the genitalia were extracted and embedded in a mixture of polyvinylpyrrolidone, diglycerine and water. The abdomen was separated from the body and glued upside down behind the specimen on the same cardboard plate.

Abbreviations of collections:

AHEC: private collection of Andreas Herrmann, Stade, Germany.
JHAC: Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-west, Czech Republic.

The following abbreviations of measurements were used:

Total length (TL) – linear distance from anterior margin of pronotum to apex of elytra.
Pronotal length (PL) – maximum length measured from anterior margin to posterior margin of the pronotum.
Pronotal width (PW) – maximum linear distance between lateral margins.
Elytral length (EL) – linear distance from shoulder to apex of elytron.
Elytral width (EW) – maximum linear transverse distance.

Description

***Anthrenus (Nathrenus) cylindricornis* sp. nov.**
(Figs. 1-4)

Type material. Holotype (male): ZA: Umg. Matibidi, Blyde Canon, 1150 m, 24 34'46"S / 30 46'26"O, 24.III.2010, U. Heinig leg., bei "Forever Resort", (AHEC). Paratypes (2 males, 1 female, 1 unsexed): the same data as holotype (3 AHEC, 1 JHAC). The type specimens are provided each with a red, printed label showing the text: "HOLOTYPUS [respectively PARATYPUS] *Anthrenus (Nathrenus) cylindricornis* sp. n., A. Herrmann & J. Háva det. 2014".

Description.

Male. Body measurements in mm: TL 2.0, PL 0.5, PW 1.2, EL 1.6, EW 1.5. Body oval, dorsal surface black, without any pubescence, covered with black and white scales (Fig. 1). Head black, roughly as broad as long, with very dense and coarse punctuation, near the eyes with some white and black scales. Eyes large with some hardly visible microsetae. Palpi darkish brown, ocellus present on front. Antenna with 11 antennomeres; the large antennal club consists of three cylindrical antennomeres, distinctly longer than the whole shaft, all three segments are black and dull, whilst the segments of the shaft are shiny and deep darkish brown (Fig. 2). Scutellum small, more or less triangular, black and shiny, with a very sparse and fine punctuation. Pronotum much broader than long, narrowed anteriorly, broadest at the posterior edges, its lateral margins not visible from above; shiny black, with distinct and sparse punctuation. The apical corners, a spot near the scutellum and two spots at the anterior margin near the head are covered with white scales. Elytra with very dense, blurred and flat punctuation, black to blackish brown, covered sparsely with black scales. Some white scales build three very indistinct and interrupted transverse fasciae (Fig. 1) and a spot at the apical end. Punctuation of the underside similar to the elytra, entirely black, covered sparsely with white scales. Visible abdominal sternites with extremely dense, coarse and flat punctuation, covered with white and black scales (Fig. 3). Legs entirely brown, shiny and naked, somewhat flattened. Tarsi coloured like the rest of the legs, about half as long as the tibiae. Genitalia as pictured (Fig. 4).

Female. It looks quite similar to male. Its antennal club has the same form in general, but the club is distinctly smaller and narrower than in male.

Variability. Variation in size (TL, in mm): 2.0-2.4.

Differential diagnosis. The new species can be distinguished from all other members of the subgenus *Nathrenus* by the very typical form of the antenna.

Name derivation. The name refers to the conspicuous cylindrical form of the large antennal club.

Acknowledgements

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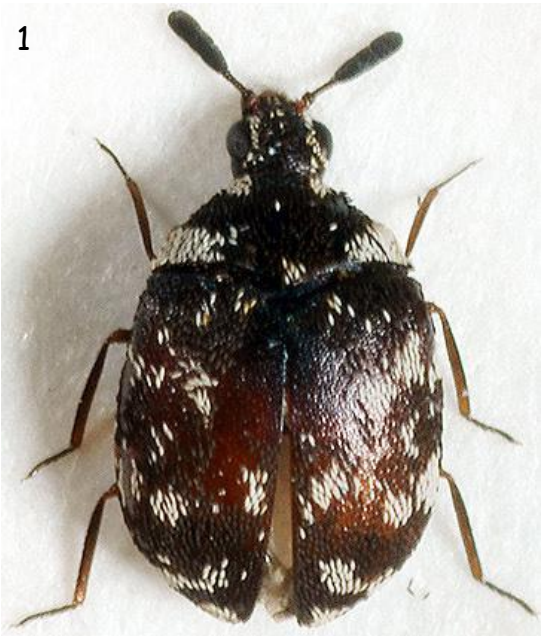

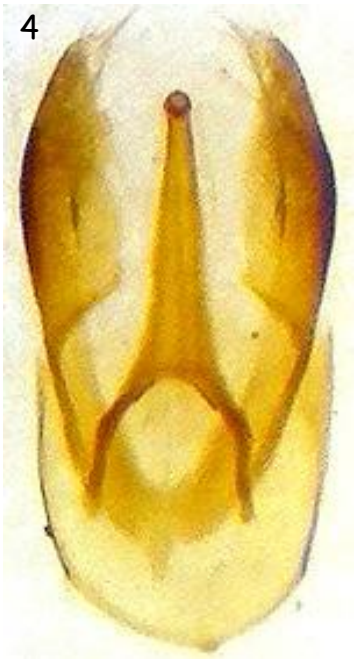

Figs. 1-4.- *Anthrenus (Nathrenus) cylindricornis* sp. nov. (holotype, male).
1.- Habitus, dorsal aspect.
2.- Antenna.
3.- Abdominal segments, ventral aspect.
4.- Genitalia, ventral aspect.