

A NEW SPECIES OF *NIDELLA* GRESSITT & RONDON, 1970 (COLEOPTERA: CERAMBYCIDAE) FROM THE PHILIPPINES

Arvīds Barševskis

Barševskis A. 2020. A new species of *Nidella* Gressitt & Rondon, 1970 (Coleoptera: Cerambycidae) from the Philippines. *Acta Biol. Univ. Daugavp.*, 20 (2): 203 – 207.

Nidella anichtchenkoi sp. nov. from Luzon Island, Philippines is described and illustrated. The catalogue of species of the genus *Nidella* is provided. The world fauna of *Nidella* is now represented by ten species.

Key words: Coleoptera, Cerambycidae, Cerambycinae, Cleomenini, *Nidella*, fauna, new species, taxonomy, Philippines.

Arvīds Barševskis. *Daugavpils University, Institute of Life Sciences and Technology, Coleopterological Re-search Center, Vienības Str. 13, Daugavpils, LV-5401, Latvia; E-mail: arvids.barsevskis@du.lv*

INTRODUCTION

The genus *Nidella* Gressitt & Rondon, 1970 (Coleoptera: Cerambycidae) belongs to the subfamily Cerambycinae Latreille, 1802 and tribe Cleomenini Lacordaire, 1869. Nine species of *Nidella* were known in the world's fauna (Tavakilian, Chevillotte 2020). *Nidella* was originally described (Gressitt & Rondon 1970) as monotypic genus, with *N. coomani* Gressitt & Rondon, 1970 from Vietnam. Holzschuh (1991) described *N. asperana* Holzschuh, 1991 and *N. repanda* Holzschuh, 1991 from Thailand, and later, the same author described *N. arguta* Holzschuh, 2006, *N. fenestrella* Holzschuh, 2009 and *N. opacula* Holzschuh, 2019 from the north Borneo, Malaysia (Holzschuh 2006, 2009, 2019). Vives (2005, 2015) described two species from the Philippines: *N. stanleyana* Vives, 2005 from Mindanao and *N. bimaculata* Vives, 2015 from Luzon. Viktora (2016) described *N. stanislavi* Viktora, 2016 from Sumatra (Indonesia).

This study presents the description of a new species of *Nidella* from the Philippines. The catalogue of *Nidella* is presented. Thus, ten species of the genus is currently known in the world.

MATERIAL AND METHODS

The laboratory research and measurements have been performed using *Nikon AZ100*, *Nikon SMZ745T* and *Zeiss Stereo Lumar V12* digital stereomicroscopes, *NIS-Elements 6D* software. The habitus photograph was obtained with a digital camera *Canon EOS 6D* with *Canon MP-E 65 mm* macro lens, using *Helicon Focus* auto montage and subsequently was edited with *Photoshop*. All measurements are given in millimeters. The systematics used in the catalog is according to Tavakilian, Chavillotte (2020) and Berzak (2020).

Abbreviations of collections:

BMNH – The Natural History Museum,
London, UK
BPBM - Bernice Pauahi Bishop Museum,
Honolulu, USA
CCH – Carolus Holzschuh private collection,
Villach, Austria
CPVKH - Collection Petr Viktora, Kutná Hora,
Czech Republic
DUBC - Daugavpils University,
Coleopterological Research Centre, Ilgas,
Latvia
EVC – Eduard Vives private collection,
Terrasa, Spain

RESULTS

Nidella anichtchenkoi sp. nov.

(Fig. 1)

Type material. HOLOTYPE, male:
Philippines / N Luzon, Ilocos, Pagudpud, /
March 2018 / local collector leg. [printed label];
ex Prof. A.Barševskis coll. [printed label]
HOLOTYPE: / *Nidella* /*anichtchenkoi* sp.

nov. / A.Barševskis descr. 2020 [red handwritten
label] (DUBC).

PARATYPE, male: Philippines / N Luzon,
Ilocos, Pagudpud, / March 2018 / local collector
leg. [printed label]; ex Prof. A.Barševskis
coll. [printed label] PARATYPE: / *Nidella* /
anichtchenkoi sp. nov. / A.Barševskis descr.
2020 [red handwritten label] (DUBC).

General distribution: Luzon Isl., Philippines.

Description. Body dark-brown or black,
elongated, narrow, dorsal surface of elytra
without yellow spots or longitudinal bands.
Length: 8.6-9.1 mm, maximal width: 1.5-1.6
mm. This is the largest species of the genus
currently known in the Philippines.

Head flattened, with rectangular apical portion
and convex, bilobate eyes. Dorsal surface of
head with coarse punctures and dense, grey
tomentum, especially along the margins, with
short impressed longitudinal line between thick
and extended antennal bases. Labrum brown,
slightly pubescent, very shiny. Clypeus brown,

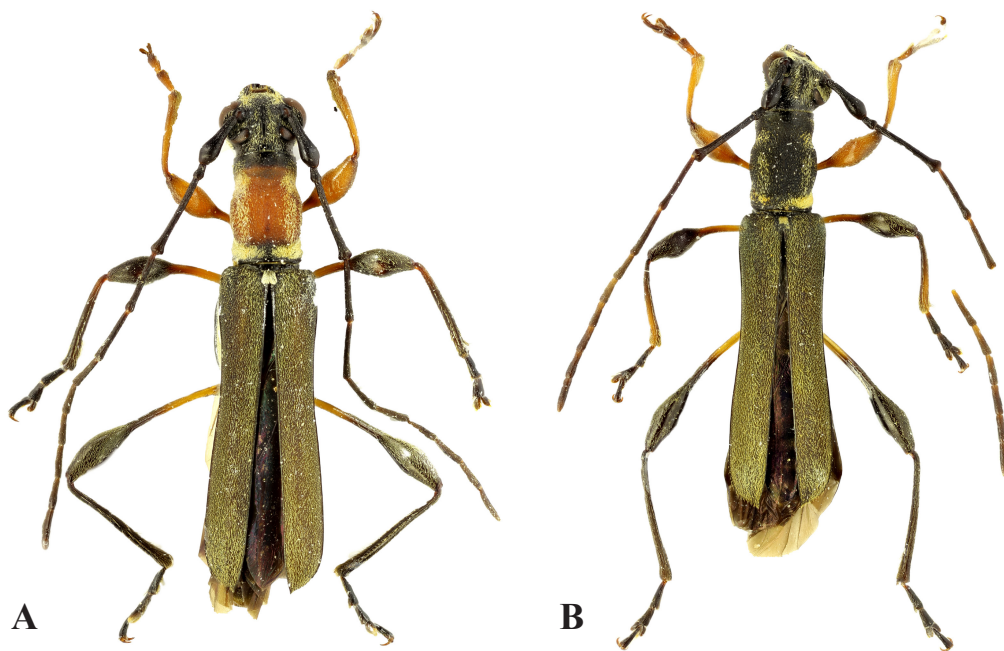


Fig. 1. *Nidella anichtchenkoi* sp. nov. (A – holotype; B – paratype).

transverse, shiny. Mandibles brown, with darkened sharp apex, massive, wide, shiny, relatively short, with dense lateral pubescence. Cheeks with dense grey pubescence. Antennae slender, long, male antennae longer than body, covered with coarse punctures and fine, sparse pubescence; antennomeres 1–4 thickened apically, black, remaining antennomeres brown, paler basally.

Pronotum yellow-brown (holotype) or black (paratype), cylindrical, elongated, neck-shaped narrowed in apical and basal portions, basally and laterally covered with yellow-grey, dense pubescence. Medioapical and middle portions of pronotum without pubescence. Surface with very dense and coarse punctures.

Scutellum small, with dense grey pubescence. *Pars stridens* almost completely covered with pronotum.

Elytra almost parallel-sided, from middle narrowed apically, flattened dorsally, with distinct, slightly raised shoulders hump. Elytra black, slightly shiny, with golden-greenish metallic reflection. Punctuation of elytra are very dense, not arranged in longitudinal rows. Apical margins of elytra near suture with small, sharp extension.

Ventral surface of body laterally covered with dense, grey or yellow-grey pubescence. Forelegs yellow-red, covered with very fine pubescence. Other legs dark brown or black, with pale bases of femora.

Female unknown.

Differential diagnosis. Regarding the shape of the body, the new species is similar to other two species from the Philippines, *N. stanleyana* and *N. bimaculata*, however, it differs by the longer body and features of the pubescence of the pronotum (basal and lateral portions of the pronotum of a new species are entirely covered with yellow-grey, dense pubescence, covering all sides of pronotum and part of the dorsal disc, while that in *N. stanleyana* and *N. bimaculata*

emarginated by a narrow band of yellow-grey pubescence).

Etymology. This species is named after my friend and colleague Dr. Alexander Anichtchenko (Daugavpils, Latvia) in appreciation of cooperation, and in gratitude for his contribution to the studies of Carabidae of the world.

A Catalog of *Nidella* of the World fauna

1. *Nidella anichtchenkoi* Barševskis, sp. nov.

General distribution: Philippines: Luzon isl.

Type deposited: DUBC

2. *Nidella argutula* Holzschuh, 2006

References: Holzschuh, 2006: 263

General distribution: Malaysia: Borneo isl.

Type deposited: CCH

3. *Nidella asperana* Holzschuh, 1991

References: Holzschuh, 1991: 22

General distribution: Thailand

Type deposited: CCH

4. *Nidella bimaculata* Vives, 2015

References: Vives, 2015: 13; Vives, 2015: 13 (*Nidella bipunctata*, misspelling); Barševskis, 2020 (*in press*)

General distribution: Philippines: Luzon isl.

Type deposited: EVC

5. *Nidella coomani* Gressitt & Rondon, 1970

References: Gressitt, Rondon: 1970: 299

General distribution: Vietnam

Type deposited: BPBM

6. *Nidella fenestrella* Holzschuh, 2009

References: Holzschuh, 2009: 311

General distribution: Malaysia: Borneo isl.

Type deposited: BMNH

7. *Nidella opacula* Holzschuh, 2019

References: Holzschuh, 2019: 67

General distribution: Malaysia: Borneo isl.

Type deposited: CCH

8. *Nidella repanda* Holzschuh, 1991

References: Holzschuh: 1991: 23; Viktora, 2016: 146

General distribution: Thailand, Laos

Type deposited: CCH

9. *Nidella stanislavi* Viktora, 2016

References: Viktora, 2016: 144

General distribution: Indonesia: Sumatra isl.

Type deposited: CPVKH

10. *Nidella stanleyana* Vives, 2005

References: Vives: 2005: 4; Barševskis, 2020 (in press)

General distribution: Philippines: Mindanao isl.

Type deposited: EVC

ACKNOWLEDGEMENTS

I wish to express our gratitude to Alexey Shavrin for editorial comments and Alexander Anichtchenko (both from Daugavpils) for help in preparation of photographs of beetles.

REFERENCES

Barševskis A. 2020. To the knowledge of long-horned beetles (Coleoptera: Cerambycidae) of the Oriental Region. Part 3. *Acta Biol. Univ. Daugavpil.*, 20(2) [in press].

Berzak L.G. 2020. A Photographic Catalog of the CERAMBYCIDAE of the World. Old World Cerambycidae Catalog. [http://bezbycids.com/byciddb/wdefault.asp?w=o\[Downloaded: 01.11.2020.\]](http://bezbycids.com/byciddb/wdefault.asp?w=o[Downloaded: 01.11.2020.])

Holzschuh C. 1991. 33 neue Bockkäfer aus der palaearktischen und orientalischen Region (Coleoptera, Cerambycidae). *Schriftenreihe der Forstlichen Bundesversuchsanstalt (FBVA-Berichte)*, Wien, 51: 5-34.

Hollzschuh C. 2006. Beschreibung von 51 neuen Bockkäfern aus der palaearktischen und orientalischen Region, vorwiegend aus Borneo und China (Coleoptera, Cerambycidae). *Entomologica Basiliensa et Collectionis Frey*, 28: 205-276.

Holzschuh C. 2009. Beschreibung von 59 neuen Bockkäfern und vier neuen Gattungen aus der orientalischen und palaearktischen Region, vorwiegend aus Laos, Borneo, und China (Coleoptera, Cerambycidae). *Entomologica Basiliensa et Collectionis Frey*, 31: 267-358.

Holzschuh C. 2019. Zur Synonymie und neun neue Taxa von Bockkäfern aus Asien (Coleoptera, Cerambycidae). *Les Cahiers Magellanes (NS)*, 32: 58-73.

Received: 12.10.2020.

Accepted: 01.12.2020.

Gressitt J. L., Rondon J. A. 1970. Cerambycid-beetles of Laos (Disteniidae, Prioninae, Philinae, Aseminae, Lepturinae, Cerambycinae). *Pacific Insects Monograph*, 24: ii-iii + 1-314.

Tavakilian G., Chavillotte H. 2020. Base de données Titan sur les Cerambycides ou Longicornes. <http://titan.gbif.fr> [Downloaded: 01.12.2020.]

Viktora P. 2016. New species of *Nidella* Gressitt & Rondon, 1970 from Sumatra (Coleoptera: Cerambycidae: Cerambycinae: Cleomenini). *Folia Heyrovskyana, Praha (Series A)*, 23 (2) [2015]: 144-147.

Vives E. 2005. New or interesting Cerambycidae from Philippines (Part I) (Coleoptera, Cerambycidae). *Les Cahiers Magellanes*, 49: 1-13.

Vives E. 2015. New or interesting Cerambycidae from the Philippines. Part X. (Coleoptera, Cerambycidae, Cerambycinae). *Les Cahiers Magellanes*, NS, No 18: 1-18.