

New data on the distribution of the genus *Eustathes* Newman, 1842 (Coleoptera: Cerambycidae) with description of two new species

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The article summarizes information on the distribution of species of the genus *Eustathes* Newman, 1842 (Coleoptera: Cerambycidae) and describes two species new to science from the Indonesian islands of Sulawesi and Buru. Currently, six species of this genus are known in the world fauna, distributed in Indonesia (Sulawesi and the Mollucas) and the Philippine archipelago.

Keywords: *Eustathes*, Lamiinae, Cerambycidae, new species.

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INTRODUCTION

Eustathes Newman, 1842 is a genus of longhorn beetles from the subfamily Lamiinae, tribe Astathini. It was established by Edward Newman by monotypy, with *Eustathes flava* Newman, 1842, from the Philippines, as the type and only species at

the time of description. Currently, the genus consists of only four species, which are distributed in the Philippines and Indonesia.

Eustathes mindanaonis Vives, 2009, is known only from the Philippines. *Eustathes semiusta* Pascoe, 1867, and *Eustathes celebensis* Chemin, 2011 are found only in

Indonesia, whereas *Eustathes flava* Newman, 1842, is recorded in both the Philippines and Indonesia. Mostly, the species of this genus are known only from their type localities, except for the type species *Eustathes flava*. Aside from the recent work of Medina et.al (2025), there is almost no new information on the distribution of these species.

This paper provides additional distribution data on this poorly known genus, thereby improving the current available knowledge about the range of this taxon. The article describes two species of this genus that are new to science, bringing the total number of *Eustathes* species in the world's fauna to six.

MATERIALS AND METHODS

The type specimens of the new species are deposited in the collection of the Daugavpils University, Coleopterological Research Centre, Ilgas, Daugavpils District, Latvia (DUBC). Both type specimens have been collected in the Philippines by local collectors.

The laboratory research and measurements have been performed using Nikon AZ 100, Nikon SMZ 745T 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-E65 mm macro lens, using Helicon Focus automontage and subsequently was edited with Photoshop.

In the present paper I followed the taxonomic nomenclature provided by Tavakilian & Chavillotte (2024).

The following abbreviations of museums are used in the text:

BMNH - The Natural History Museum, London, UK
DUBC - Daugavpils University Beetles Collection, Ilgas, Latvia
MNHN - Muséum National d'Histoire Naturelle, Paris, France
SNSD (MTD) - Senckenberg Naturhistorische Sammlungen Dresden, Germany

Taxonomy and distributional data

1. *Eustathes celebensis* Chemin, 2011

L'Entomologiste, Paris, 67 (3): 141-142

Type locality: Indonesia: South Sulawesi, Puncak

Holotype: ♀, in Gérard Chemin Collection, Champigny-sur-Marne, France

Distribution: INDONESIA: Sulawesi island

2. *Eustathes anichtchenkoi* sp. nov. (Fig. 1)

HOLOTYPE: ♀, Indonesia: Sulawesi, / Mt. Moncong / 30.08.1999 / local collector leg.) (white handwritten label) // **HOLOTYPE:** / *Eustathes anichtchenkoi* sp. nov. / A.Barševskis, Ch. Torrejos, / E. Putāne descr. 2025 (red, handwritten label)

PARATYPE: ♀, Indonesia: Sulawesi, / Mt. Moncong / 09.2021/ local collector leg.) (white handwritten label) // **PARATYPE:** / *Eustathes anichtchenkoi* sp. nov. / A.Barševskis, Ch. Torrejos, / E. Putāne descr. 2025 (red, handwritten label)

Type locality: Indonesia, South Sulawesi, Mt. Moncong.

Distribution: INDONESIA, Sulawesi island.



Fig. 1. *Eustathes anichtchenkoi* sp. nov. (holotype)

Description: Body length: 16.7 -20.1 mm, body width: 6.6 - 7.1 mm. Body yellowish-red.

Head yellow, very shiny, with sparse, coarse punctures. Between eyes and in frontal part with wide and deep elongated impression. Cheeks not extended, covered with sparse, fine yellow pubescence and some long chaetae. Mandibles unicolored black; palps yellowish-red. Clypeus and labrum transverse, shiny. Antennae with eleven antennomeres; the first four antennomeres yellow, the remaining segments black. Pronotum yellowish-red with two glabrous, shiny black ridges curved outwards; the area between the ridges raised and with very fine punctuation in the center. Elytra yellow, shiny, in apical portion with dark spot. Elytra, incl. dark spot covered with very sparse yellow

pubescence. Rows of punctures on elytra regular, except two irregular postscutellar rudimental rows at basal part of elytra near suturae. Scutellum semicircular, yellowish-red, shiny. Legs yellow with black tarsi and claws. The underside of the body is solid yellow, shiny.

Male unknown.

Differential diagnosis: As Chemin (2011) notes in his description of *Eu. celebensis* Chemin regarding its differences from other known species: "Like all species of this genus, *Eustathes celebensis* also has a pronotum with two short, dark, curved discal ridges. Due to its broad and robust overall shape, this *Eustathes* is closely related to *Eu. mindanaonis* and *Eu. semiusta*, from which it differs at first glance by the uniformly orange color of its elytra. It differs from *E. semiusta* by its more advantageous size, from *Eu. mindanaonis* by its bicolored antennae (instead of uniformly black) and the stronger, less dense punctuation of its elytra. Finally, it differs from *Eu. flava* by its much less slender shape, bicolored antennae, yellow legs, and much less developed pubescence."

The new species differs from *Eu. celebensis* in coloration of its elytra, which are not monochromatic, but bicolor - yellow with dark spot at the apex. The mandibles are monochromatic black without yellow basal part. In the new species the first four antennomeres are yellow, while in *Eu. celebensis* three, and the fourth segment is bicoloured, yellow at the base and darkened at the tip.

3. *Eustathes flava* Newman, 1842
(Fig. 2)

Eustathes flava Newman, 1842, The Entomologist, London 19: 298–305

Eustathes flava var. *femoralis* Heller, 1900, Abh. Ber. Königl. Zool. Anthropol.-Ethnogr. Mus. Dresd. 9 (5): 1–46,



Fig. 2. *Eustathes flava* Newman, 184

Type locality: Philippines: Luzon, Manila

Holotype: in H. Cuming Collection, MNHN

Syntypes: in K.M. Heller Collection, SNSD (MTD)

Distribution: PHILIPPINES: Luzon, Negros, Mindanao islands, INDONESIA: Sulawesi island.

New records (DUBC): Indonesia: Peleng island, Central Sulawesi, 05. 2020 (1, local collector leg.)
Sothern Sulawesi, Laya Village, Maros, 11.2020 (1, local collector leg.).

Philippines: Leyte isl., Mahaplag, 04.2018 (1, local collector leg.); Luzon isl., Abra, Tined, 06.2018 (1, local collector leg.); Aurora, Dingalan, Sierra Madre Mts., 10.2015 (2, local collector leg.), 06.2017 (1, local collector leg.), 07.2017 (1, local collector leg.), 10.2017 (3, local collector leg.), 04.2018 (1, local collector leg.), 11.2018 (1, local collector leg.); Banaue, Ifugao, 10.2016 (1, local collector leg.); Belance, Nueva Vizcaya, 05.2017 (1, local collector leg.), 09.2020 (1, local collector leg.); Bicol, Camarines Sur, Lagonoy, 10.2017 (5, local collector leg.), 11.2017 (2, local collector leg.), 04.2018 (3, local collector leg.), 05.2018 (2, local collector leg.); 06.2018 (11, local collector leg.), 07.2018 (2, local collector leg.), 10.2018 (4, local collector leg.), 09.2018 (1, local collector leg.), 12.2018 (2, local collector leg.); Cagayan, Pudtol, 06.2016 (1, local collector leg.), 05.2016 (1, local collector leg.), 06.2018 (2, local collector leg.), 08.2018 (2, local collector leg.); Hungduan, Ifugao, 01.2018 (1, local collector leg.); Isabela, Sierra Madre Mts., 03.2013 (1, local collector leg.), 07.2013 (1, local collector leg.), 09.2013 (1, local collector leg.); Lubuagan, Kalinga, 06.2018 (1, local collector leg.); Kalatangan Mt., 1000 m asl., 06.2014 (1, local collector leg.); Kasibu, Nueva Vizaya, 10.2017 (1, local collector leg.), 01.2018 (1, local collector leg.); Kayapa, Nueva Vizcaya, 10.2016 (1, local collector leg.), 12.2017 (1, local collector leg.); Madela, Quirino, 09.2017 (1, local collector leg.); Quezon, Nueva Viscaya, 10.2018 (1, local collector leg.); 11.2018 (2, local collector leg.); Marinduque isl., Boi, Boac, 08.2018 (1, local collector leg.), 10.2018 (2, local collector leg.); Cawit,

Boac, 1900 m asl., 07.2014 (1, local collector leg.); Mindanao isl., Alamada, North Cotabato, 12.2018 (2, local collector leg.); Bukidnon, 08.2013 (1, local collector leg.); 11.2014 (1, local collector leg.); Bukidnon, Dominrog, 11.2018 (2, local collector leg.); 06.2019 (1, local collector leg.); Bukidnon, Cabanglasan, 05.2014 (2, local collector leg.); 11.2017 (1, local collector leg.); Bukidnon, Maharlika, 05.2018 (1, local collector leg.); Esperanza, Agusan del Sur, 04.2018 (1, local collector leg.); 05.2018 (1, local collector leg.); Kapatagan, Davao del Sur, 10.2016 (1, local collector leg.); Mt. Apo, 1200 m asl., 04.2016 (1, R.G.Cabale leg.); Panamokan, Bukidnon, 08. 2014 (1, local collector leg.); San Francisco, Agusan del Sur, 04.2018 (1, local collector leg.); San Luis, Agusan del Sur, 02.2018 (1, local collector leg.); 10.2018 (2, local collector leg.); Surigao del Sur, 04.2014 (1, local collector leg.); Wao, Lanao del Sur, 11.2017 (1, local collector leg.); 07.2018 (2, local collector leg.); Zamboanga del Norte, Gutalac, 10.2014 (4, local collector leg.); 11.2014 (3, local collector leg.); 12.2017 (1, local collector leg.); 07.2018 (1, local collector leg.); 10.2018 (2, local collector leg.); 11.2018 (1, local collector leg.); Mindoro isl., Arangin, 05.2018 (1, local collector leg.); Baco, 08.2018 (1, local collector leg.); Puerto Galera, 10.2016 (5, local collector leg.); Mt. Halcon, 05.2013 (1, local collector leg.); Negros isl., Benedicto, Don Salvador, 02. 2018 (2, local collector leg.); 04.2018 (1, local collector leg.); 12.2019 (1 local collector leg.); Panay isl., Antique, 09.2017 (1, local collector leg.); 01.2018 (1, local collector leg.); 03.2018 (1, local collector leg.); 07.2018 (1, local

collector leg.); 09.2018 (1, local collector leg.); 08.2018 (2, local collector leg.); 10.2018 (4, local collector leg.); Antique, Culasi, 04.2018 (1, local collector leg.); 05.2018 (3, local collector leg.); 11.2018 (2, local collector leg.); 03.2018 (1, local collector leg.); Ilo-Ilo, 11.2017 (2, local collector leg.); Majaas Mt., 01.2018 (2, local collector leg.); 03.2018 (1, local collector leg.); Tibiao, 03.2018 (1, local collector leg.); Samar isl., 09.2013 (1, local collector leg.); 10.2013 (1, local collector leg.); Samar isl., Lope de Vega, 10.2016 (4, local collector leg.); 10.2017 (1, local collector leg.); 11.2017 (2, local collector leg.); 07.2018 (1, local collector leg.); 11.2018 (2, local collector leg.); 12.2018 (1, local collector leg.); Marabot, 09.2014 (2, local collector leg.).

Note. First published data for Leyte, Marinduque, Mindoro, Panay, & Samar islands.

4. *Eustathes mindanaonis* Vives, 2009
Les Cahiers Magellanes 88: 1-25

Type locality: Philippines: Mindanao, Calabugao, Bukidnon.

Holotype: ♂, in E. Vives Collection, Terrassa, Spain

Distribution: PHILIPPINES:
Mindanao island.

New records (DUBC): Not presented.

5. *Eustathes semiusta* Pascoe, 1867
(Fig. 3)

The Transactions of the Entomological Society of London 3 (3) 4: 337-464

Type locality: Indonesia: Moluccas, Ambon.



Fig. 3. *Eustathes semiusta* Pascoe, 1867

Syntypes: ♂♀, in F. Pascoe Collection, BMNH

Distribution: INDONESIA: Moluccas, Ambon, Keleng, Seram.

New records (DUBC): Indonesia: Ambon isl., 03.2018 (1, local collector leg.), 03.2019 (1, local collector leg.), 04.2019 (1, local collector leg.), 07.2019 (2, local collector leg.); Kelengisl, 06.2003 (3, local collector leg.); Seram isl., 03.2008 (2, local collector leg.), 04.2014 (2, local collector leg.), 06.2015 (1, local collector leg.), 07.2015 (1, local collector leg.), 05.2018 (1, local collector leg.), 10.2014 (1, local collector leg.), 11.2014 (2, local collector leg.), 11.2016 (1, local collector leg.), 04.2018 (1, local collector leg.); Seram isl., West Pal,

200 m asl., 12.2018 (7, local collector leg.), 07.2019 (1, local collector leg.), 09.2014 (1, local collector leg.); 11.2019 (5, local collector leg.).

Note. First published data for Keleng & Seram islands.

6. *Eustathes shavrini* sp. nov. (Fig. 4)

HOLOTYPE: INDONESIA, ♀, C Mollucas / See Buru is., 200-350 m alt. / Ilatvill. Env., Remaja Mt., / 5.-18.01.2013, St. Jakl lgt. // (white, printed label) // **HOLOTYPUS:** / *Eustathes shavrini* sp. nov. / A Barševskis, Ch. Torrejos, / E. Putāne descr. 2025 / (red, handwritten label)

PARATYPE: INDONESIA, ♀, C Mollucas / Buru is., /02.2013, St. Jakl lgt. // (white, printed label) // **PARATYPUS:** / *Eustathes shavrini* sp. nov. / A Barševskis, Ch. Torrejos, / E. Putāne / descr. 2025 / (red, handwritten label)



Fig. 4. *Eustathes shavrini* sp. nov. (holotype)

Type locality: Indonesia, Moluccas, Buru island

Description: Body length: 15.2 - 15.8 mm, body width: 4.3 - 4.6 mm. Body yellow, covered with dense and fine yellow pubescence. Apical part of elytra with dark spot and covered with dark pubescence. Head yellow, almost matte, with reticulated microsculpture. Between eyes and in frontal part with wide and deep elongated impression. Cheeks not extended, covered with sparse, fine yellow pubescence. Mandibles sharp, yellow, palps yellow. Antennae with eleven segments; dark brown, with dark pubescence, but inner side with long black setae. Pronotum yellowish-red with two glabrous, shiny black ridges curved outwards; the area between the ridges raised and with very fine punctuation in the center, but laterally with group of long yellow hairs. Scutellum semicircular, yellowish-red, shiny. Elytra with irregular coarse punctures on the disc, which were arranged in visible rows only in some places. The second and fifth intervals are not ribbed and raised. Legs yellow with black tarsi and claws. The underside of the body is yellow, with dense pubescence.

Male unknown.

Differential diagnosis: The new species differs from *Eu. semiusta* in coloration and density of pubescence of its elytra, which are yellow with more smaller and relatively more oblique shape of dark spot at the apex which covered with very fine dense dark pubescence. Elytra of *Eu. semiusta* orange with bigger, more transverse dark spot at the apex, covered with sparse brownish pubescence. Dorsal part of elytra of new species smooth, without ribbed raised intervals, which are

distinctly raised in males and females of *Eu. semiusta*. The mandibles of new species are monochromatic yellow, but at the *E. semiusta* orange with darkened apical portion. Two glabrous, shiny black ridges curved outwards on the disc of pronotum at the new species are relatively shorter as at *Eu. semiusta*. Legs of new species are yellow with black (!) tarsi and claws, but at *E. semiusta* orange with brown tarsi and claws.

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