

Fauna and distribution of genus *Callimetopus* Blanchard, 1853 in the Oriental Region. Part 1

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This paper present faunistic data of seven little-known species of *Callimetopus* Blanchard, 1853 with new island records for *Callimetopus capito* (Pascoe, 1965), *Callimetopus cordifer* (Heller, 1924, and *Callimetopus tagalus* (Heller, 1899).

Keywords: Cerambycidae, Philippines, Oriental region, new distribution record

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INTRODUCTION

Callimetopus Blanchard, 1853 is a genus of longhorn beetles from the subfamily Lamiinae, tribe Pteropliini. At present, it is represented by 53 species with more and more new species added to science every year. It was in the last 13 years that more than half (28 out of the 53) of the species were added to this genus (Dela Cruz & Adorada, 2012, Vives, 2012, 2015; Barševskis 2015a, 2015b, 2015c, 2016a, 2016b, 2018a, 2018b, 2019, 2020, 2024; Barševskis, Cabras, & Medina 2022; Roguet, 2023; Medina, 2024). While study of this genus has caught momentum (Medina et.al, 2024), the distribution of many species remains insufficiently understood, and most

are characterized by highly restricted ranges (Barševskis, 2016c; Barševskis et.al, 2022).

Currently, the genus *Callimetopus* Blanchard, 1953 is known to be distributed throughout the Philippines (47 species), Malaysia (3 species), Indonesia (6 species), and Papua New Guinea (1 species) with 45 species endemic to the Philippines.

This paper presents faunistic data of seven species of *Callimetopus* Blanchard, 1853 based on materials deposited at the Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science, Berlin, Germany (MNHU(ZMHB)). New distributional records are presented for three species of *Callimetopus* from the

Philippines: *Callimetopus capito* (Pascoe, 1865) is recorded for the first time in Masbate and Dinagat Islands; *Callimetopus cordifer* (Heller, 1924) in Luzon (Albay) and Masbate; and *Callimetopus tagalus* (Heller, 1899) in Luzon and Masbate. This article begins a new series of articles on the fauna and distribution of the genus *Callimetopus*, which will publish materials on species of this genus deposited in various collections.

MATERIALS AND METHODS

The materials studied in this paper were examined under Leica WILD M8 stereomicroscope.

Databases like The Titan Database on Cerambycidae (<http://titan.gbif.fr>), Photographic Catalogue of the Cerambycidae of the World (<http://bezbycids.com>), Lamiinae of the World (<https://lamiinae.org>), Catalogue of Life (<https://www.catalogueoflife.org>) were consulted along side published literature to compile information regarding species known distribution.

Materials studied in this paper are from MNHU (ZMHB) - Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science, Berlin.

Label data are cited verbatim. The following symbols were used in the text:

/ = different lines

// = different labels

RESULTS

1. *Callimetopus capito* (Pascoe, 1865)

Holotype: *Euclea capito* Pascoe, 1865, The Natural History Museum, London (BMNH)

Type locality: Philippines, Manilla

Syntypes: *Euclea mesoleuca* Pascoe, 1865, The Natural History Museum, London (BMNH)

Type locality: Philippines, Manilla

Materials examined: PHILIPPINES - "Philippines." (1 ex., typewritten on white label); "Philippinen/ [illegible] // *Callimetopus capito* Pasc. / Breuning det." (1 ex., typewritten + handwritten on white labels); "Philippinen// Coll. / Jul Moser // *Callimetopus capito* Pasc./ Breuning det." (1 ex., handwritten + type written on white labels); "Philippinen // Coll. / Jul Moser" (4 ex., handwritten + typewritten on white labels); "Philippinen/ leg. Boettcher// *Callimetopus capito* Pasc. / Breuning det." (1 ex., typewritten + handwritten on white labels); "Philippinen / leg. Boettcher" (21 ex., typewritten on white label); Luzon - "Luzon // *Euclea* al. / bata Newm. / [illegible]" (1 ex., handwritten on white labels); "*Euclea* / *irrorata* / Newm. / Luzon" (1 ex., handwritten on white label); "Luzon // *Nipponoclea* / *capito*" (1 ex., handwritten on white labels); "Luzon" (4 ex., handwritten on white labels); "Philippinen / Luzon / [illegible]" (1 ex., typewritten + handwritten on white label); "Philippinen/ Luzon/ [illegible]" (2 ex., typewritten + handwritten on white labels); "Philippinen / Luzon/ [illegible] // *Callimetopus* / *capito* Pasc. / Breuning det." (1 ex., typewritten + handwritten on white labels); Luzon, Banahao— "Luzon/ [illegible] Banahao// *Callimetopus*/ *capito* Pasc./ Breuning det." (1 ex., handwritten + typewritten on white labels); Luzon, Manila - "Philippinen/ Manila" (1 ex., typewritten + handwritten on white label); Luzon, Montalban - "Luzon / Montalban // *Nipponoclea* / *capito*" (1 ex., handwritten on white labels); "Luzon. Montalban / 1914 / leg. G Boettcher" (1 ex., typewritten on white

label); "Luzon, Montalban / 1914 / leg. G Boettcher" (6 ex., typewritten on white labels); "Luzon, Montalban / 1914 / leg. G Boettcher// *Callimetopus capito* Pasc / Breuning det." (1 ex., typewritten + handwritten on white labels); Masbate Isl.— "Masbate / [illegible] // *Callimetopus* / *capito* [illegible] / Breuning det." (2 ex., handwritten + typewritten on white labels); "Philippinen / Masbate / [illegible] // *Callimetopus* / *capito* / Breuning det." (1 ex., typewritten + handwritten on white labels); Dinagat Isl.- "Philippinen / Dinagat// *Callimetopus* / *capito* Pasc. / Breuning det." (1 ex., typewritten + handwritten on white labels); no locality - "[illegible] // *Euclea* / *albata* New. // *Euclea* / *capito* Pascoe / Determ. E. Hintz" (1 ex., handwritten on white labels); "Man. // *albata* Nw." (1 ex., typewritten on white labels); "41180" (1 ex., typewritten in white labels); no label – (3 ex).

Notes: A total of 61 specimens of *Callimetopus capito* (Pascoe, 1865) were examined. In particular, Philippines general (29 ex.); Luzon: general (11); Banahao (1); Manila (1); Montalban (9); Masbate (3); Dinagat Isl. (1); No localities (3); No labels (3). This species is originally described from Luzon, Manila and previously known to be found only Luzon and Sibuyan Island. The data presented extends known distribution on the species throughout Luzon and first records in Masbate and Dinagat Island.

2. *Callimetopus cordifer* (Heller, 1924)

Holotype: *Nipponoclea rhombifera* ab. *Cordifera* Heller, 1924, Senckenberg Naturhistorische Sammlungen, Dresden (MTD)

Type locality: Philippines, Ins. Panay boreali-occidentali

Materials examined: PHILIPPINES, Luzon, Albay - "Philippinen / Luzon / Albay //

Callimetopus / *cordifer* Hell. / Breuning det. (1 ex., typewritten + handwritten on white label);

Masbate—"Philippinen / Masbate / [illegible]" (1 ex., typewritten + handwritten on white label); no label (2 ex.).

Notes: *Callimetopus cordifer* (Heller, 1924) is originally described and known only from Philippines, Panay Island. The new materials from Luzon (Albay) and Masbate represent first records of this species on these islands extending known distribution of the species.

3. *Callimetopus illecebrosus* (Pascoe, 1865)

Syntypes: *Euclea illecebrosa* Pascoe, 1865, The Natural History Museum, London (BMNH)

Type locality: Indonesia, Celebes, Menado, Tondano

Holotype: *Euclea casta* Thomson, 1865, Muséum National d'Histoire Naturelle, Paris (MNHN)

Type locality: Malaysia

Holotype: *Callimetopus celebensis* Breuning, 1938, Institut Royal des Sciences Naturelles de Belgique (IRSN)

Type locality: Indonesia, Celebes

Materials examined: INDONESIA, Menado "illecebrosa / Pasc. / Menado. Stevens // 41322" (1 ex., handwritten on yellow label + typewritten on white label); Celebes - "Callimetopus / illecebrosus / casta Thoms. // TODJAMBOE / MIDD.-CELEBES/ Aug (?) [illegible] "N.O.I" (1 ex., typewritten + handwritten on white labels).

Notes: The collection only contains 2 materials of *Callimetopus illecebrosus* (Pascoe, 1865). 1 ex. *Callimetopus illecebrosus* (Pascoe, 1865) and 1 ex. *Callimetopus illecebrosus m. casta* (Thomson, 1865).

4. *Callimetopus irroratus* (Newman, 1842)

Syntypes: *Euclea irrorata* Newman, 1842, The Natural History Museum, London (BMNH) Type locality:

Philippines, Manila Holotype: *Niphonoclea bifasciata* Fisher, 1934, Smithsonian National Museum of Natural History (USNM),

Type locality: Philippines, Samar Island Holotype: *Callimetopus irroratus m. albidus* Breuning, 1947, Naturhistorika Riksmuseet (NRS)

Type locality: Philippines

Materials examined: PHILIPPINES - “Philippinen / [illegible] / [illegible]” (1 ex., typewritten + handwritten on white label); “Philippinen / [illegible] / [illegible] // *Callimetopus / irrorata* Newm. / Breuning det.” (1 ex., typewritten + handwritten on white labels); Luzon— “Philippinen / L(?) Luzon / [illegible]” (1 ex., typewritten + handwritten on white card); Luzon, Paete “irrotata / Newm. // *Niphonoclea / capito* // Luzon / Paete” (1 ex., handwritten on white labels); “Luzon, Paete / 1914 / leg. G.Boettcher” (1 ex., typewritten on white card); Luzon, Polillo - “*Callimetopus / irrorata* Newm. / Breuning det. // Philippinen / Polillo” (1 ex., handwritten + typewritten on white labels); Luzon, Imugan “Philippinen / Luzon / Imugan” (1 ex.,

typewritten + handwritten on white label); Luzon, Albay “Philippinen / Luzon / Albay” (1 ex., typewritten + handwritten on white labels); PHILIPPINES, Luzon “39243 // (yellow label) Luzon / Jagor (?) // *capito* Pasc.” (1 ex., typewritten on white label + handwritten on yellow label + handwritten on white label); Leyte “Philippinen / Leyte / [illegible] // *Callimetopus / irroratus / bifasciatus* [illegible]” (1 ex., typewritten + handwritten on white labels); “Leyte / [illegible] // *Niphonoclea / sp.1*” (1 ex., handwritten on white label); “Leyte / [illegible] // *Niphonoclea / sp. 1*” (1 ex., handwritten on white label); “Philippinen / Leyte / [illegible] // *Callimetopus / irroratus / bifasciatus* [illegible] / Breuning det.” (1 ex., typewritten + handwritten on white labels); no label—2 ex.; PHILIPPINES— “Philippinen // Coll. / Jul. Moser // *Callimetopus / irroratus / irregularis* [illegible] / Breuning det.” (1 ex., handwritten + typewritten on white labels).

Notes: A total of 16 specimens *Callimetopus irroratus* (Newman, 1842) were examined. Eight labelled *Callimetopus irroratus* (Newman, 1842) from different localities in Luzon (6 ex.) and from unknown localities in the Philippines (2 ex.); seven materials labelled *Callimetopus irroratus m. bifasciatus* (Fisher, 1934) were examined from Luzon (1); Leyte (4), and no label (2); and one material labelled *Callimetopus irroratus m. irregularis* (Breuning) from Philippines. First record of this species from Polillo island.

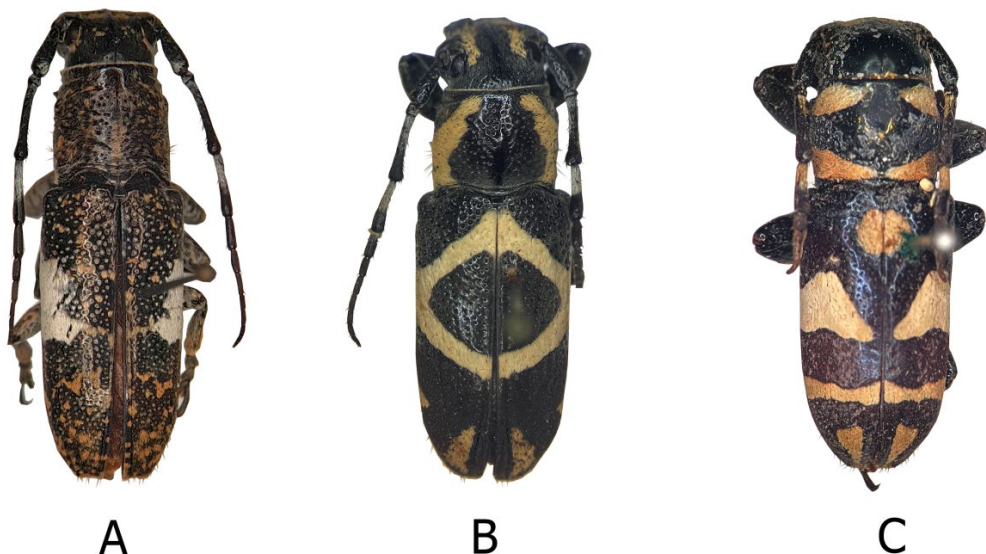


Fig. 1. A) *Callimetopus capito* (Pascoe, 1865) from Masbate; B) *Callimetopus cordifer* (Heller, 1924) from Masbate; C) *Callimetopus tagalus* (Heller, 1899) from Luzon.
Scale: 3 mm

5. *Callimetopus ochreosignatus* Breuning, 1959

Holotype: *Callimetopus ochreosignatus* Breuning, 1959, Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science, Berlin, MNHU (ZMHB)

Type locality: Philippines, Luzon, Imugan (Breuning, 1959)

Materials examined: HOLOTYPE, PHILIPPINES, Luzon - "Callimetopus/ ochreosignatus/ [illegible]/ Breuning det. (handwritten + typewritten on white label) // Holotypus/ Nr. (typewritten on red label)// Philippinen/ [illegible]. Luzon/ Imugan (1 ex.)

Notes: *Callimetopus ochreosignatus* Breuning is originally and only known from Philippines, Luzon.

6. *Callimetopus paracasta* Breuning, 1965

Holotype: *Callimetopus paracasta* Breuning, 1965, Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science, Berlin, MNHU (ZMHB)

Type locality: Malaysia, Sabah, Borneo Island, Mt. Kinabalu

Materials examined: HOLOTYPE, MALAYSIA - "Callimetopus / paracasta [illegible] / Breuning det. [illegible] (handwritten + typewritten on white label) // Typus (typewritten on red label) // Kina / Balu" (handwritten on white label)

Notes: *Callimetopus paracasta* Breuning, 1965 is originally and only known from Malaysia, Sabah, Borneo Island.

7. *Callimetopus tagalus* (Heller, 1899)

Holotype: *Eucleatagala* Heller, 1899, Senckenberg Naturhistorische Sammlungen Dresden (MTD)

Type locality: Philippines Holotype: *Euclea tagala* subsp. *Rufofasciata* Schultze, 1919, Senckenberg Naturhistorische Sammlungen Dresden (MTD)

Type locality: Philippines, Surigao Province

Holotype: *Euclea tagala* var. *tricolor* Heller, 1921, Senckenberg Naturhistorische Sammlungen Dresden (MTD)

Type locality: Philippines, Zamboanga

Materials examined: PHILIPPINES, Luzon - "Philippinen / Luzon / [illegible] // *Callimetopus / tagalus* Hell. / Breuning det." (1 ex., typewritten + handwritten on white labels); Masbate - "Philippinen / Masbate / [illegible] // *Callimetopus / tagalus / tricolor* Hell. / Breuning det." (1 ex., typewritten + handwritten on white labels)

Notes: Two materials of *Callimetopus tagalus* (Heller, 1899) were examined. One material labelled *Callimetopus tagalus* Heller, 1899 from Luzon and one material labelled *Callimetopus tagalus* m. *tricolor* Heller, 1921 from Masbate. This species is generally known to be distributed in Mindanao and Mindoro. The new materials from Luzon and Masbate represent first records of the species for these islands.

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