

Some new and little-known species of the genus *Metathrinca* MEYRICK, 1908 from Indonesia
(Lepidoptera, Xyloryctidae)

by

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Abstract: Five new species of the moth genus *Metathrinca* Meyrick, 1908 are described from Indonesia. The species *Metathrinca coenophyes* DIAKONOFF, [1968], described from the Philippines, is recorded for the first time from Java (Indonesia). The types of the new species are deposited in the National Museum of Natural History in Leiden, The Netherlands. One paratype of *Metathrinca diakonoffi* **spec. nov.** is deposited in the Zoological Institute of the Russian Academy of Sciences, Saint Petersburg.

Metathrinca MEYRICK, 1908

J. Bombay Nat. Hist. Soc. 18: 625.

Type species: *Ptochoryctis ancistrias* MEYRICK, 1906, J. Bombay Nat. Hist. Soc. 17: 403, by original designation.

Description: Forewing wingspan 12-29 mm. Antenna long bipectinated in ♂ and simple in ♀. Short tongue developed. Labial palpi upcurved, narrow. Second segment with appressed scales, terminal segment rather shorter. Wings moderately wide. Forewing silvery white with some dark markings or without it. Veins R2 and R3 coincident, R4 and R5 stalked, M3 and Cu1 stalked. Hindwing silvery white, veins Rs and M1 separate, M3 and Cu1 stalked. Abdominal terga with small spiniform setae.

♂ genitalia: Uncus triangular or bifurcated at apex. Gnathos triangular or bilobed. Valva wide with harpe covered by stout bristles. Transtilla absent. Juxta tubular, dilated at base. Aedeagus straight or little curved, usually without cornutus.

♀ genitalia: Ovipositor short. Ostium bursae may be in different parts of 8 sternum. Antrum sclerotized. Signum as small oblong plate with small teeth or absent. Ductus seminalis connected with the ductus bursae near the antrum.

The genus comprises 17 species. They are distributed in South-Eastern Asia (MEYRICK, 1906, 1907, 1908, 1914, 1923, 1937, 1938; CLARKE, 1955; OKADA, 1962; DIAKONOFF, [1968]; ROBINSON et al., 1994; WANG et al., 2000). Five new species, collected in Indonesia, are described below.

Metathrinca diakonoffi **spec. nov.**

Holotype ♂: East Java, Nongkodjadar, 1300 m, at light, 16.IV.1940, A. M. R. WEGNER leg., Gen. prep. No 4662 coll. A. DIAKONOFF.

Paratypes: 2 ♂♂ from the same place as the holotype, 6.IV.- 4.V.1940, A.M.R. WEGNER leg., Gen. prep. No 17621, det. A. LVOVSKY; 1 ♂, West Java, Tjipanas, 1100 m, 1.-10.X.1948, A. DIAKONOFF leg., Gen. prep. No 4661; 1 ♂, Neth. Ind[onesia], Amer[ican] New Guinea Exped[ition], 2600-2800 m, Moss Forest Camp., 9.X.-5.XI.1938, L. G. TOXOPEUS leg., Gen. prep. No 4663, A. DIAKONOFF.

Description: Forewing length 7,5-8 mm, wingspan 17-18 mm. Head and thorax white. Labial palpi white. Forewing silvery white with dark brown markings along hind margin and with 2 transversal rows of dark brown points along outer margin. Hindwing silvery white.

♂ genitalia (fig. 1): Uncus trapeziform, gnathos triangular. Upper half of valva hairy, lower half of valva naked. Harpe long and almost straight. Aedeagus straight, without cornuti.

The ♀ is unknown.

Differential diagnosis: The new species is close to *M. rosaria* (MEYRICK, 1907). It differs from the latter by the dark brown markings along the hind margin of the forewing and narrow apical parts of the uncus and the gnathos.

Distribution: Indonesia - islands of Java and New Guinea.

Etymology: The species is named after a well-known Dutch entomologist A. N. DIAKONOFF (1907-1989).

Metathrinca mentawirella **spec. nov.**

Holotype ♂: East Borneo, Balikpapan, Mentawir River, 50 m, 11.X.1950, A. M. R. WEGNER leg. Gen. prep. No 61, A. LVOVSKY det.

One paratype ♂ with the same label.

Description: Forewing length 6,5 mm, wingspan 15 mm. Head and thorax white. Labial palpi white, with light brown shade at base. Forewing white with a black discal point. Another black point is situated in the fold under the cell. Dark oblique transversal line situated between outer margin and discal point. Hindwing white.

♂ genitalia (fig. 2): Uncus conic with blunt apex. Gnathos triangular. Valva with right-angled shape of apex. The apex of harpe directed to apex of valva, but does not reach it. Aedeagus slightly bent, with small tooth near apex.

The ♀ is unknown.

Differential diagnosis: The new species is close to *M. loranthivora* (MEYRICK, 1937) described from Java. It differs from the latter by the narrow dark transversal line on the forewing, a longer harpe and right-angle shaped apex of valva.

Distribution: Indonesia, Kalimantan (Borneo).

Etymology: The name of new species is derived from the name of the type locality.

***Metathrinca halmaherella* spec. nov.**

Holotype ♂: Halmahera Island, Goa-Plains, 50-100 m, 9-12. IX. 1951, Gen. prep. No 62, A. LVOVSKY det.

Description: Forewing length 7 mm, wingspan 16,5 mm. Head and labial palpi white. Thorax white with light beige shade. Forewing and hindwing silvery white with dark brown points at the ends of veins.

♂ genitalia (fig. 3): Uncus and gnathos triangular. Valva wide with sharply curved harpe at middle. The apex of harpe reaches the upper margin of valva. Saccus rounded. Aedeagus slightly bent, without cornuti.

The ♀ is unknown.

Differential diagnosis: The new species is close to *M. iridostoma* DIAKONOFF, [1968] and differs from the latter by the triangular shape of the uncus.

Distribution: Indonesia, Halmahera.

Etymology: The name of new species is derived from the name of type locality.

***Metathrinca sampitella* spec. nov.**

Holotype ♂: South Borneo, Sampit, 0-50 m, 20.II.1950, W. BUYN leg., Gen. prep. No 63, A. LVOVSKY det.

Description: Forewing length 6 mm, wingspan 14 mm. Head and thorax white. Labial palpi lost. Forewing and hindwing monotonous silvery white.

♂ genitalia (fig. 4): Uncus trapeziform, apex blunt with 2 very small tubercles. Gnathos as a small outgrowth. Apex of valva with bundle of strong bristles. Harpe rather straight with sharply curved pointed apex. Aedeagus lost.

The ♀ is unknown.

Differential diagnosis: The new species is close to *M. sinumbra* DIAKONOFF, [1968] and differs from the latter by a narrower uncus, triangular apex of gnathos, strong bristles at the apex of valva and shape of harpe with sharply curved apex.

Distribution: Indonesia, Kalimantan (Borneo).

Etymology: The name of new species is derived from the name of type locality.

***Metathrinca wegneri* spec. nov.**

Holotype ♂: East Borneo, Balikpapan, Mentawir River, 50 m, X.1950, A. M. R. WEGNER leg., Gen. prep. No 64, A. LVOVSKY det.

Paratypes: 2 ♂♂ with the same label as the holotype.

Description: Forewing length 5,5-6 mm, wingspan 13-14 mm. Head and thorax white. Labial palpi white, second segment with light beige shade. Forewing and hindwing silvery white. Forewing with transverse light brown angular line near apex and outer margin.

♂ genitalia (fig. 5): Uncus and gnathos triangular. Valva wide, without narrowing at apex. Harpe long and curved. The apex of harpe reaches the upper margin of valva. Saccus triangular. Aedeagus straight, dilated at base, without cornuti.

The ♀ is unknown.

Differential diagnosis: The new species is close to *M. ancistrias* (MEYRICK, 1906), but differs from the latter by the triangular shape of the uncus and gnathos and the shape of the valva without narrowing at apex.

Distribution: Indonesia, Kalimantan (Borneo).

Etymology: The name of the new species is derived from the name of the collector.

***Metathrinca coenophyes* DIAKONOFF, [1968]**

Material: 1 ♂, West Java, Mts. Gede-Panggerango, 1400 m, Tjibodas, 19.XII.1940, A. DIAKONOFF leg., Gen. prep. No 65, A. LVOVSKY det.

Distribution: The Philippines, Luzon. A new record for Indonesia, Java.

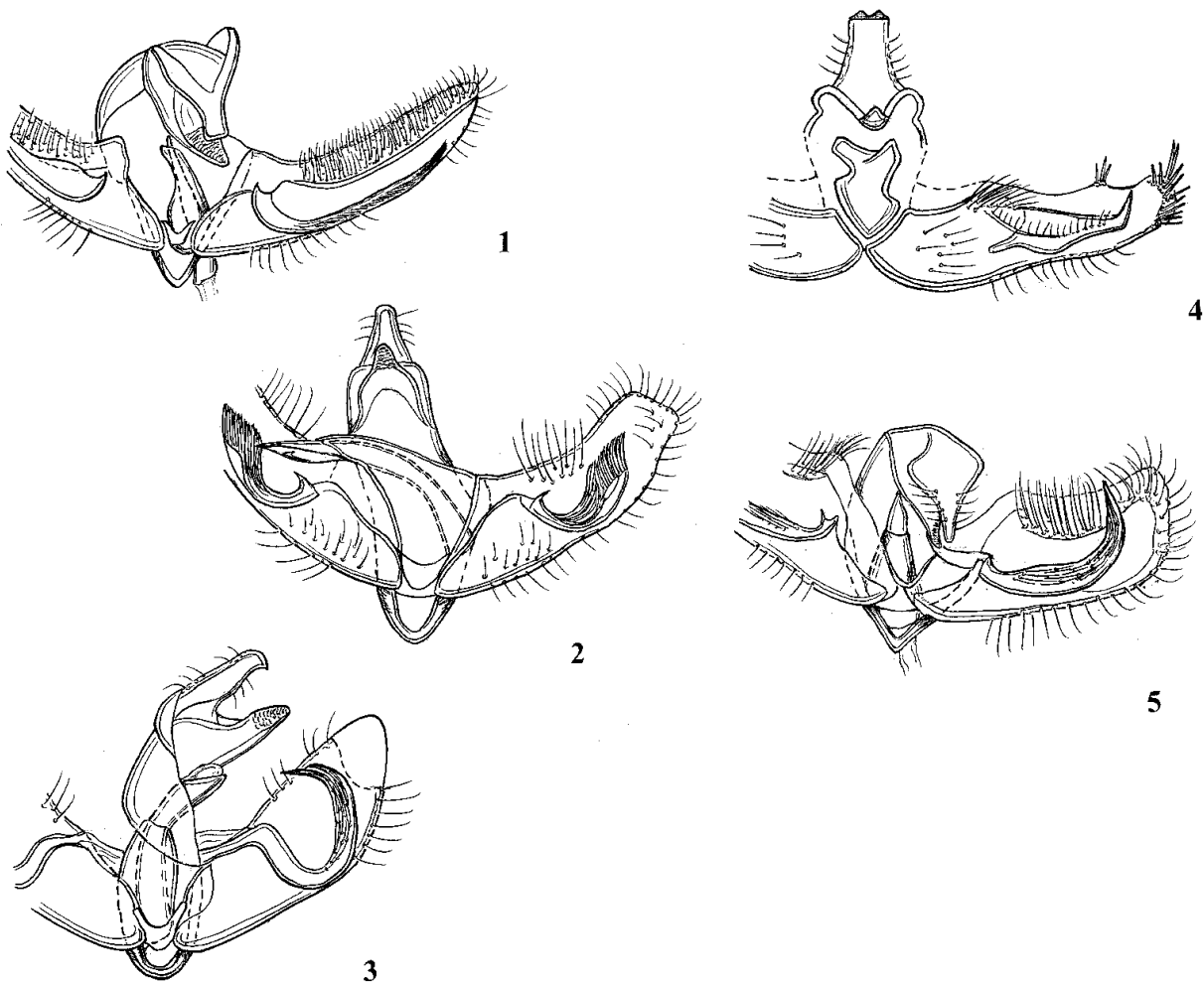
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Figs. 1-5: *Metathrinca* spp., ♂ genitalia of the holotypes. (1) *M. diakonoffi* spec. nov.; (2) *M. mentawirella* spec. nov.; (3) *M. halmaherella* spec. nov.; (4) *M. sampitella* spec. nov.; (5) *M. wegneri* spec. nov.

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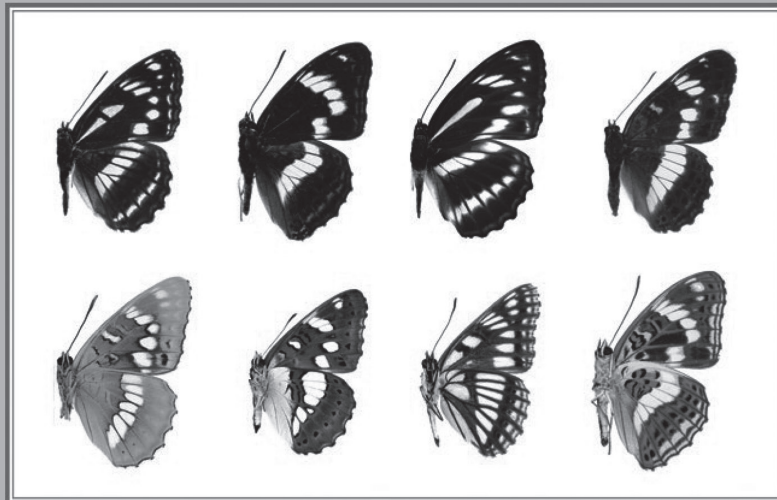
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