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**A NEW SPECIES AND A NEW RECORD OF PLUME MOTHS
(LEPIDOPTERA: PTEROPHORIDAE) FROM BORNEO ISLAND**

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Summary. New species of plume moths, *Ochyrotica omelkoi* Ustjuzhanin et Kovtunovich, **sp. n.**, is described from Borneo Island. *Cosmoclostis auxileuca* (Meyrick, 1908) is recorded from Malaysia for the first time.

Key words: Lepidoptera, Pterophoridae, plume moths, taxonomy, new species, fauna, new record, Sabah Province, Malaysia, Oriental Region.

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Резюме. С острова Борнео описан новый вид пальцекрылок: *Ochyrotica omelkoi* Ustjuzhanin et Kovtunovich, **sp. n.** Впервые для Малайзии приводится *Cosmoclostis auxileuca* (Meyrick, 1908).

INTRODUCTION

Nineteen species of family Pterophoridae has been recorded from Sabah province of Malaysia but four of them remained non-defined (Arenberger, 1995, 1997; Gielis, 2000, 2003; Ustjuzhanin & Kovtunovich, 2015; Ustjuzhanin *et al.*, 2018). One new for the fauna of Boreneo Island is listed herein and one new species is described and illustrated below. The holotype of new species is deposited in the collection of the Zoological Institute of the Russian Academy of Sciences, St. Petersburg (ZIN).

TAXONOMY

Genus *Ochyrotica* Walsingham, 1891

NOTES. The genus *Ochyrotica* includes 29 species (18 of them in South-East Asia and Australia, six species in Africa and 5 ones in South and Central America) (Arenberger, 1995; Gielis, 2003; Ustjuzhanin & Kovtunovich, 2010).

***Ochyrotica omelkoi* Ustjuzhanin et Kovtunovich, sp. n.**

<http://zoobank.org/NomenclaturalActs/5A486073-B0BF-4FE0-BEC7-11690FA4D472>

Figs 1, 2

MATERIAL EXAMINED. Holotype – male, **Malaysia:** Sabah Province, Crocker Range Park, 02.III 2018, leg. M. Omelko; (ZIN; gen. pr. No 1921).

DESCRIPTION. Male (Fig. 1). Wingspan 17 mm. Head with bundles of tousled brown hairs. Labial palpi thin, 1,5 times longer than longitudinal eye diameter. Antennae thin, brown. Thorax and tegulae white. Fore wings light-grey, interspersed with tiny brown scales. Costal edge darkened, distally and apically with distinct elongated spots. Big dark triangle spot located below the apical one. Distinct dark elongated spots along dorsal edge are situated distally and medially. Wing noticeably lightened basally. Hind wings unicolorous, ash-grey. Fringe on all wings grey. Contrast mottled pattern on legs: bright white portions alternating with black ones.



Fig. 1. *Ochyrotica omelkoi* sp. n., holotype, male.

Male genitalia (Fig. 2). Valves symmetric, apically rounded. Finger-shaped costal process basally. Uncus slightly widened in medium part, basally thinner, apically sharp. Saccus with round notch. Aedeagus short, almost straight, without cornuti.

Female unknown.

COMPARISON. In the colour and shape of the wings, the new species is similar to *Ochyrotica toxopeusi* Gielis 1988, but differs from latter by the clearly expressed dark elongated spots along the dorsal edge of the fore wing. In the general shape of male genitalia, the new species has some similarity with *O. yanoi* Arenberger, 1988, but differs from latter by the short, almost straight aedeagus and absence of the vinculum, while in *O. yanoi* aedeagus is long, arched and has an expressed vinculum.

NOTES. This species has been recorded from Sabah Province of Malaysia as *Ochyrotica* sp. (Ustjuzhanin *et al.*, 2018).

ETYMOLOGY. The species is named after the well-known Russian lepidopterologist, Mikhail Omelko, who collected the new species of plume moth.



Fig. 2. Male genitalia of *Ochyrotica omelkoi* sp. n. (ZIN; gen. pr. No 1921).

NEW RECORD

Cosmoclostis auxileuca (Meyrick, 1908)

MATERIAL EXAMINED. **Malaysia:** Sabah Province, Tambunan Gunung, Daerah, Alab Resort, 1650 m, 20–25.VIII 2012, 1 ♂, leg. V. & S. Sinyaev.

DISTRIBUTION. India: Khasis, Assam (Meyrick, 1908; Fletcher, 1931); Malaysia (**new record**).

NOTES. This species has been recorded from Sabah Province of Malaysia as *Cosmoclostis* sp. (Ustjuzhanin *et al.*, 2018).

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