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***Parapammene komaiana* sp. n. a new Tortricidae from Russian Far East**

Abstract - A new species of tortricid moth, *Parapammene komaiana* sp. n., from Barabash-Levada (Russian Far East) is described. Externally the new species resembles some *Parapammene* moths like *P. dichroramphana* (Kennel, 1900) and *P. glaucana* (Kennel, 1901). The genitalia of *P. komaiana* are very similar to those of *Parapammene reversa* Komai, 1999, but the cornuti of the new species are lined and not clustered as in *P. reversa*; *P. komaiana* aedeagus is rather narrow than in *P. reversa*.

Riassunto - *Parapammene komaiana* sp. n. un nuovo tortricide dalla Russia orientale.

Viene descritta *Parapammene komaiana* sp. n., una nuova specie di Lepidoptera Tortricidae, raccolta a Barabash-Levada nel lontano oriente Russo. *P. komaiana* assomiglia a *P. dichroramphana* (Kennel, 1900) e *P. glaucana* (Kennel, 1901). Nelle caratteristiche morfologiche degli apparati genitali maschili la nuova specie assomiglia a *Parapammene reversa* Komai, 1999; si distingue per i cornuti disposti in linea e non raggruppati a macchia come in *P. reversa*; l'edeago di *P. komaiana* è più sottile di quello di *P. reversa*.

Key words: Lepidoptera Tortricidae, *Parapammene komaiana*, new species, Russian Far East.

INTRODUCTION

Rare and interesting tortricids, belonging to the subfamily Olethreutinae, including three new species *Ancylis barabashi* Trematerra & Li, 2009, *Ancylis ussuricana* Trematerra & Li, 2009 and *Statherotmantis olga* Trematerra, 2009, were recognized in some material collected in Russian Far East, from 1986 to 2000, by Dr. Povilas Ivinskis and Dr. Aidas Saldaitis (Vilnius, Lithuania), and by Jürgen Krüger (Mettmann, Germany) (Trematerra & Li, 2009; Trematerra & Spina, 2009).

In the same material, from Barabash-Levada, we also found a new *Parapammene* Obraztsov, 1960.

Externally the new species, named *Parapammene komaiana* sp. n., which is described herein, is similar to *P. dichroramphana* (Kennel, 1900) and *P. glaucana* (Kennel,

1901). *P. komaiana* can be separated by *P. reversa* Komai, 1999, in some morphological characters of the male genitalia (Komai, 1999).

Parapammene komaiana sp. n.

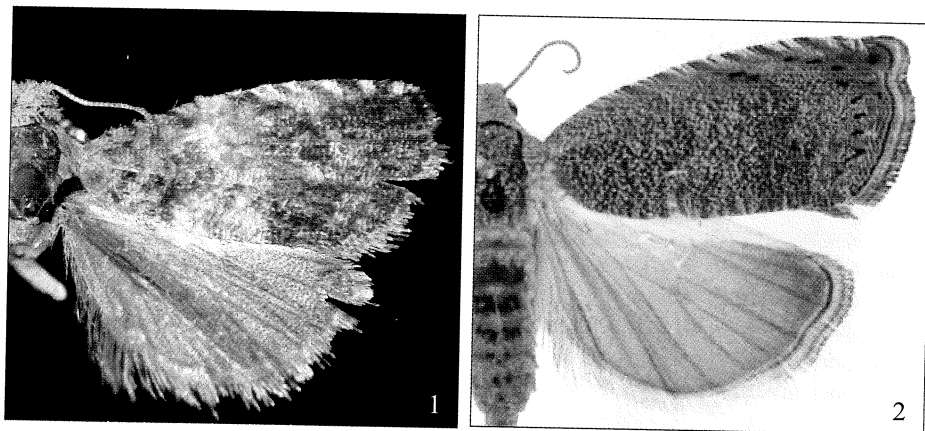
ADULT. Wing expanse: male 11-12 mm (Fig. 1). Antenna short. Labial palpus ascending, yellowish-cream, terminal segment very short; head and face dark cream. Thorax brownish, abdomen concolorous with thorax, venter yellowish-cream. Forewing oblong subtriangular, costa gently curved, apex rounded, termen almost convex, oblique. Ground color of forewing brownish irrorate with dark brownish; basal blotch dark cream with brown scales, apical half brownish; median fascia paler, whitish cream. Costal strigulae whitish. Cilia brownish grey with greyish tips, basal line darker. Hindwing semiovalate, costa gently arched, apex rounded; brownish grey paler in basal area. Cilia brownish grey, darker basally.

MALE GENITALIA: reported in figures 3, 8. Tegumen with the top emarginate laterally; gnathos a pair of narrow less sclerotized bands. Valva constricted before middle, costa straight; cucullus haired, subrectangular in shape, more or less three times as long as wide. Sacculus straight. Basal cavity subrectangular. Aedeagus narrow, long and sinuate, gradually narrowed; cornuti lined comprising 14 spines.

FEMALE GENITALIA. Unknown.

MATERIAL EXAMINED: 1 male, holotype, labelled as follows: Far East, Pogranitchnyj r., Barabash-Levada, 1989.VII.12, P. Ivinskis.

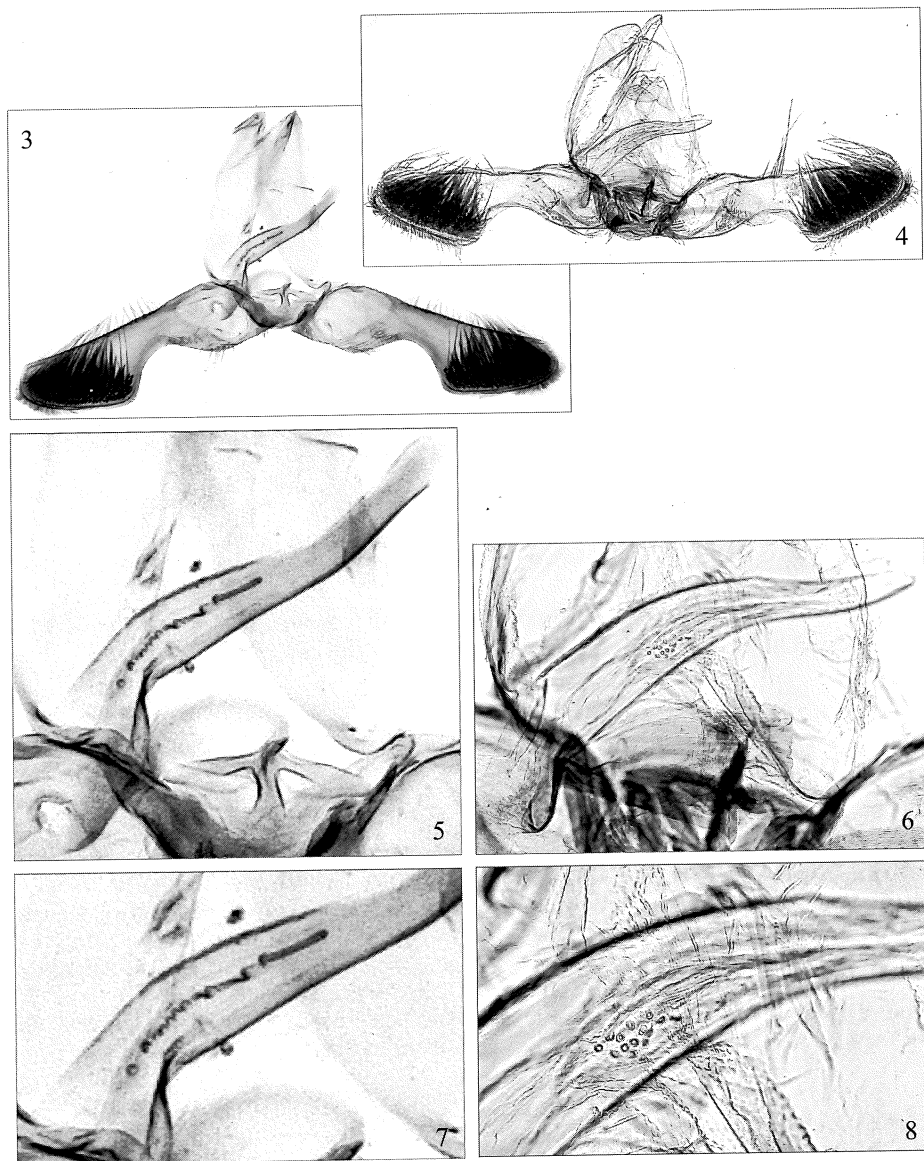
DISTRIBUTION: Russia, Far East, Pogranitchnyj r., Barabash-Levada.



Figs 1-2 - Adults. *Parapammene komaiana* sp. n. (1); *Parapammene reversa* Komai, 1999, holotype (2).

HOST: Unknown.

REMARKS: Externally the new species resembles some *Parapammene* moths like *P. dichroramphana* and *P. glaucana*. The genitalia of *P. komaiana* are very similar to those of



Figs 3-8 - Genitalia. *Parapammene komaiana* sp. n. (3); aedeagus (5), cornuti (7); *Parammene reversa* Komai, 1999, holotype (4); aedeagus (6), cornuti (8).

P. reversa, but the cornuti of the new species are lined and not clustered as in *P. reversa*; *P. komiana* aedeagus is rather narrow than in *P. reversa* (Fig. 8).

Brown (2005), in the World Catalogue of Insects dedicated to the Lepidoptera Tortricidae, reported 16 species of the genus *Parapammene* Obraztsov, 1960: for the palaearctic fauna listed *P. selectana* (Christoph, 1882); *P. dichroramphana* (Kennel, 1900); *P. glaucana* (Kennel, 1901); *P. petulantana* (Kennel, 1901); *P. hexaphora* (Meyrick, 1935); *P. inobservata* Kuznetsov, 1962; *P. aurifascia* Kuznetsov, 1981; *P. imitatrix* Kuznetsov, 1986 and *P. reserva* Komai, 1999; from Oriental fauna cited *P. isocampta* Meyrick, 1914; *P. harmologa* (Obraztsov, 1968); *P. cyanodesma* Diakonoff, 1976; *P. amphibola* (Diakonoff, 1982) and *P. longipalpata* Kuznetsov, 1992; from Australian fauna annotated *P. dyserasta* (Turner, 1916) and *P. ellipticopa* (Meyrick, 1934).

The genus is mainly associated with Tiliaceae, Fagaceae and Aceraceae, the larvae are shoot or seed borers (Komai, 1999). Recently the larvae of *P. reversa* were found boring into the twigs of *Platycarya strobilacea* Siebold et Zucc. (Juglandaceae) in Japan (Komai, personal communication).

The type specimens of *P. komiana* is deposited in the Trematerra Collection, University of Molise, Campobasso, Italy.

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