

中国齿卷蛾属的研究(鳞翅目:卷蛾科)

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齿卷蛾属 *Ulodemis* 系 Meyrick (1907) 根据模式种 *trigrapha* 所建立。到目前为止,世界上总共记载有五个种,都分布在亚洲南部的印度、斯里兰卡和印度尼西亚境内的山地,而我国过去尚无分布记录。

近年来,作者从收集到我国福建、广东、四川、广西、云南等省小蛾类标本中发现这属一老种和一新种。

1. 多齿卷蛾 *Ulodemis trigrapha* Meyrick (新纪录)(图1、3、5)

分布 云南(景东、勐仑、勐海、勐啊、大勐龙),四川(渡口),广西(龙胜、龙州、凭祥),广东(广州、海南岛)。

2. 三齿卷蛾 *Ulodemis tridentata* 新种(图2、4、6)

翅展 19—23 毫米。体、翅棕褐色。雄蛾颜面鳞片灰褐色,触角第二节有凹陷。下唇须长,向前伸,第二节特别长而膨大。前翅近长方形;雄蛾外缘直;雌蛾在顶角两侧有凹陷;臀角圆;基斑和中带明显,外围有淡黄色夹边;基斑起于前缘基部的 1/4,止于后缘基部的 1/3;中带起于前缘 1/2,止于后缘 2/3;端纹不明显;中带至外缘间有许多分散灰褐色斑点。后翅灰褐色,雄蛾基部有一束长毛。前翅 R_4 和 R_5 脉共柄, R_5 脉止于外缘。后翅 m_3 和 Cu_1 脉同出于一点或有短共柄, m_2 脉基部和它们十分靠近; m_1 脉和 R_s 脉同出于一点或十分靠近。雄性外生殖器的爪形突细长,端部膨大呈椭圆匙形;颚形突宽大,末端分三齿,中间齿短,两侧齿长而相等;抱器腹呈条状,有弯曲;阳茎圆柱状,有 90 度弯曲。雌性外生殖器产卵瓣宽大,呈长椭圆形;交配孔两侧前、后阴片下垂呈兜状;导管端片几丁质化;囊突一枚,呈镰刀状。

正模♂,四川峨眉山万年寺; 1041 米; 1979. VI. 14; 刘友樵。配模♀,四川峨眉山清音阁; 900 米; 1957. IV. 30; 朱复兴。副模 7♂♂、4♀♀,福建武夷山; 750 米; 1979. VI. 31. 宋士美;四川青城山; 1000 米; 1979. VI; 峨眉山; 900 米; 1980. VI—VIII; 刘友樵,白九维。

本种与多齿卷蛾 *U. trigrapha* 在外形和斑纹上难以识别。但多齿卷蛾体、翅呈黄褐色;雄性外生殖器爪形突端部膨大部分小,呈圆匙形;颚形突末端有齿状突 10 枚左右,是两种的主要区别。

模式标本保存在中国科学院动物研究所。

NOTES ON CHINESE *ULODEMIS* MEYRICK (LEPIDOPTERA:
TORTRICIDAE) WITH DESCRIPTION OF A NEW SPECIES

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The genus *Ulodemis* of the subfamily Tortricinae, tribe Archipini, established by Meyrick, 1907, is a small group with limited distribution in the South of Asia.

This paper records 2 species of Chinese *Ulodemis* Myr. collected by the authors in 1978—1980. Among them, one species is described as new and one species is recorded for the first time.

1. *Ulodemis trigrapha* Meyrick

Distribution: Yunnan, Guangdong, Fujian Provinces and Guangxi Zhuang Autonomous Region.

2. *Ulodemis tridentata* sp. nov

Wing expanse 19—23 mm. Body and wings dark brown in color. Forehead in male covers with greyish-brown scales, antennae notched. Palpi long, porrect, 2-segment long and expanded. Forewings elongate-oblong; in male slightly narrowed anteriorly, without fold, apex obtuse, termen nearly straight, little oblique; in female sinuate nearly vertical; strewn with brownish-grey dots. Hindwings brownish-grey, in male with a dorsal pencil of long dark grey hairs. Male genitalia with a long uncus, terminal expanded like a spoon; gnathos large, ending with 3 strong tooth; aedeagus conical, curved. Female genitalia with large oblong ovipositors; lamella vaginalis funnel-shaped on both sides of the antrum; signum a large thorn, with a sideways turned capitulum.

The general appearance of *tridentata* is close to *trigrapha*, but differentiated chiefly by the dark brown color of the body and wings, the much more expanded tip of the uncus and the three teeth of the gnathos.

Holotype (♂): Sichuan, Emei Shan, 1041 M., 14. VI. 1979, Liu Youqiao. Allotype (♀): Sichuan, Emei Shan, 900 M., 30. IV. 1957, Zhu Fuxing. Paratype (7 ♂♂, 4 ♀♀): Fujian, Wuyi Shan, 750 M., 31. VI. 1979, Song Shimei; Sichuan, Emei Shan (900 M., VI. 1979.) and Qingcheng Shan (1000 M., VI-VIII. 1980.), Liu Youqiao and Bai Jiuwei. All specimens, including the types of new species, are now kept in the Institute of Zoology, Academia Sinica.



1. 多齿卷蛾 *Ulodemis trigrapha* Meyrick
3. 雄性外生殖器
5. 雌性外生殖器

2. 三齿卷蛾 *Ulodemis tridentata*, sp. nov.
4. 雄性外生殖器
6. 雌性外生殖器