

广西猫儿山滑菌蚊属二新种 (双翅目:菌蚊科)

吴 鸿*

(浙江农业大学 杭州 310029)

摘要 报道产于广西猫儿山的滑菌蚊属 *Leia* 二新种,描述了新种的形态特征,并与近似种进行了比较。

关键词 双翅目,菌蚊科,滑菌蚊属,新种.

中图分类号 Q969.44

本文记述采自广西猫儿山的滑菌蚊属二新种,模式标本保存在中国农业大学昆虫标本馆。

1 广西滑菌蚊,新种 *Leia guangxiana* sp. nov. (图1~3)

雄 翅长4.8~5.0 mm。头部淡褐色,额和须黄色。触角柄节、梗节和第1鞭节黄色,其余部分淡褐至褐色。侧单眼不与复眼接触。前胸背板黄色;中胸盾片黄色,有3深褐色宽纵带,小盾片黄色,有一“T”字形褐色斑,长刚毛4根;中胸上前侧片和中胸下前侧片黄色,下前角褐色;侧背片褐色。足褐黄色,腿节腹面中央有一褐斑,后腿节端部和中、后胫节端部各有一褐斑,刚毛深褐色。翅黄色透明,4个褐色斑分别位于 R_s 两侧、 $r-m$ 基部至 M 分叉处、 C 与 R_5 近端处以及 R_1 端之外至 M_1 中部之外的前方等处。平衡棒黄色。腹部背板褐色,2~7节前缘有窄黄边;腹板淡褐色。外生殖器(图1~2)褐色,生殖突端节端弧弯;生殖突端节端弧变;生殖突基节背面盾状,腹端部有一小突起,后者末端有2根细长弯毛。

雌 翅长4.8~6.2 mm。色型与雄虫相似,外生殖器如图3。

正模 广西猫儿山,2100 mm,1992-08-19,杨集昆、杨春清灯诱。副模6,17,同正模。

新种与 *L. winthemi* Lehmann 略相似,但后者生殖突端节端稍直,生殖突基节端部无小突起,容易区别。

2 黄褐滑菌蚊,新种 *Leia ravida* sp. nov. (图4~6)

雄 翅长4.9 mm。头部褐色,额和须黄色。触角黄至淡褐色。侧单眼不与复眼

*现工作单位:浙江林学院,浙江临安 311300

收稿日期:1996-10-29,修回稿日期:1997-07-10

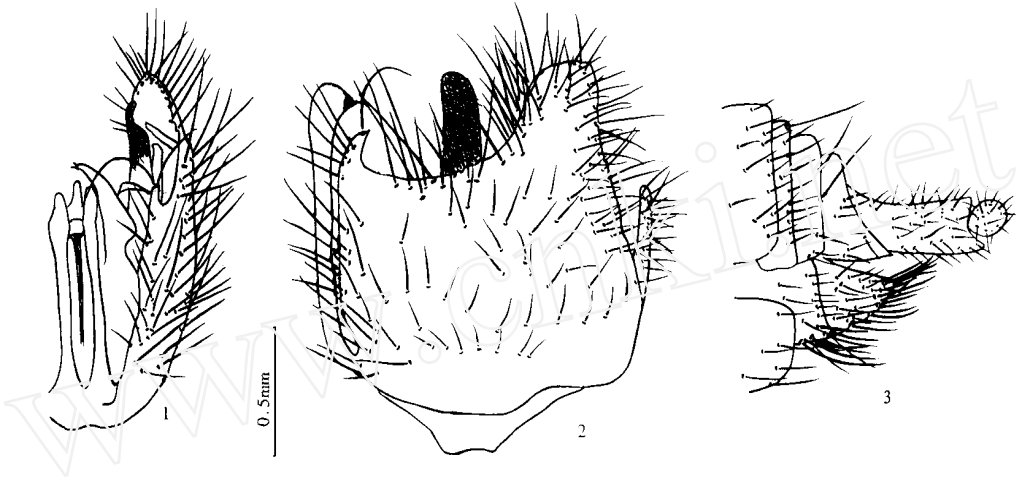


图 1~3 广西滑菌蚊,新种 *Leia guangxiana* sp. nov.

- 1. 雄外生殖器,腹视(male hypopygium, ventral view) 2. 同 1,侧视(ditto,lateral view)
- 3. 雌外生殖器,侧视(female terminalia, lateral view)

接触。前胸背板黄色,上、下各有一个不规则褐斑;中胸盾片黄色,有 3 褐色宽纵带,两侧的纵带黑褐色;小盾片黄色,有 4 根长刚毛;中胸上前侧片和中胸下前侧片褐色;侧背片深褐色。足黄色,中、后腿节端部有一褐斑,后腿节基 1/3 及端 1/5 暗褐色,中、后腿节端部褐色,刚毛深褐色。翅黄色透明,近端部自 C 端之前至 M₂ 端之前有一褐色横带。平衡棒黄色。腹部背板褐至暗褐色,2~5 节前缘及 2~6 节后缘有窄黄边;腹板 1~3 黄色,3 节两侧有褐色斑;4~5 节暗褐色,后缘黄色。外生殖器(图 4~5)褐色,生殖突端节端弯折;生殖突基节无明显突起。

雌 翅长 5.4~5.6 mm。色型与雄虫相似,外生殖器如图 6。

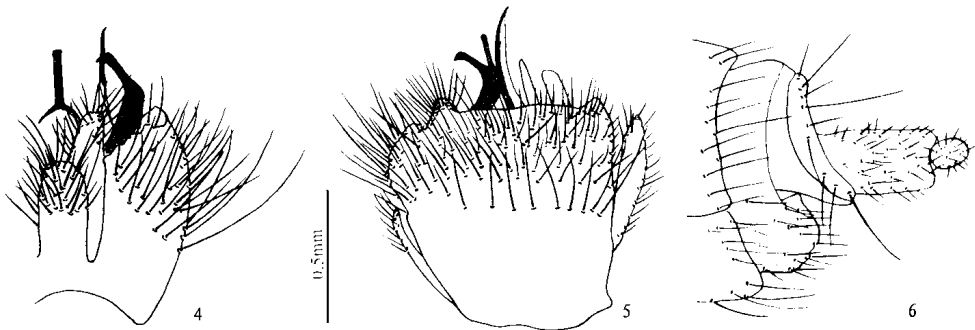


图 4~6 黄褐滑菌蚊,新种 *Leia ravida* sp. nov.

- 4. 雄外生殖器,腹视(male hypopygium, ventral view) 5. 同 1,侧视(ditto,lateral view)
- 6. 雌外生殖器,侧视(female terminalia, lateral view)

正模 ,广西猫儿山庵堂坪,1 500 m,1992-08-18,杨集昆、杨春清采。副模 4 ,

同正模。

新种与 *L. arcuata* Brunetti 和 *L. pauliani* Matile 相似。但 *L. arcuata* 的色型不同, *L. pauliani* 的生殖突端节不弯折而渐尖, 且基部有一侧支, 因此容易区别。

参 考 文 献

- Brunetti, E. 1912. Diptera Nematocera Family Mycetophilidae. The Fauna of Br. India, including Ceylon and Burma. Taylor & Francis, London. 1:44-119, 559-561
- Hutson, A. M., D. M. Ackland and L. N. Kidd 1980. Mycetophilidae. In: Handbooks for the Identification of British Insects. Royal Ent. Soc. London, 9(3):1-109
- Landrock, K. 1927. 8. Fungivoridae. Fliegen palaeark. Reg. ,2(1):1-195
- Laštovka, P. and L. Matile 1974. Mycetophilidae (Diptera) de Mongolie. Acta Zool. Acad. Sci. Hung. ,20:93-135
- Plassmann, E. 1973. Die Pilzmücken-gattung *Leia* (Diptera: Mycetophilidae). Senckenberg. Biol. ,54:131-140
- Matile, L. 1969. Deux Diptères Mycetophilidae nouveaux de Madagascar. Bull. Soc. ent. Fr. ,74:136-139
- Sasakawa, M. 1994. Fungus gnats associated with flowers of the genus *Arisaema* (Araceae) part 2. Keroplatidae and Mycetophilidae (Diptera). Trans. Shikoku Ent. Soc. ,20:293-306

TWO NEW SPECIES OF THE GENUS *LEIA* FROM MAOERSHAN, GUANGXI (DIPTERA: MYCETOPHILIDAE)

WU Hong

(Zhejiang Agricultural University, Hangzhou 310029)

Abstract

In this paper two new species of the mycetophilids genus *Leia* are reported. The type specimens are deposited in the Insect Collections of China Agricultural University.

1 *Leia guangxiana* sp. nov. (Figs. 1-3)

Male. Wing length 4.8-5.0 mm. Head brownish. Palpus yellow. Antenna brownish to brown, with scape, pedicel and 1st flagellar segment yellow. Ocellae not touching eye margin. Pronotum yellow. Mesonotum yellow, with three dark wide brown longitudinal stripes. Scutellum yellow, with one "T" brown marking and 4 long setae. Legs brownish yellow, but midale of ventral side of femora with brown markings, apical part of hind femur, middle and hind tibiae brown. Wing hyaline, with 4 brown markings. Halter yellow. Abdominal tergites brown, tergites - with anterior margins yellow. Sternites brownish. Male hypopygium as in Figs. 1-2.

Female. Wing length 4.8-6.2 mm. Color as in male. Female terminalia as in Fig. 3.

Holotype, paratypes 6, 17, Maoershan, 2100 m, Guangxi, Aug. 19, 1992, by YANG Chi-Kun and YANG Chun-Qing, light trap.

This new species is similar to *L. winthemi* Lehmann, but can be seperated from the latter by its dististyle curved apically and basistyle with 1 pair of subprocesses.

2 *Leia ravida* sp. nov. (Figs. 4-6)

Male. Wing length 4.9 mm. Head brown. Palpus yellow. Antenna yellow to brownish. Ocellae not touching eye margin. Pronotum yellow, with 2 brown markings.

Mesonotum yellow, with 3 wide brown longitudinal stripes, lateral stripes black brown. Scutellum with 4 long setae. Legs yellow, but apical part of middle and hind coxae with brown markings, basilar and apical parts of hind femur dark brown. Wing hyaline, with brown subapical band. Halter yellow. Anterior margins of abdominal tergites - and posterior margins of tergites - with narrowly yellow. Sternites - yellow, sides of sternite with brown markings. Sternites - dark brown, with posterior margins yellow. Male hypopygium as in Figs. 4-5.

Female. Wing length 5.4-5.6 mm. Color as in male. Female terminalia as in Fig. 6.

Holotype, paratypes 4, Antangping, 1 500 m, Maoershan, Guangxi, Aug. 18, 1992, by YANG Chi-Kun and YANG Chun-Qing.

This new species is similar to *L. arcuata* Brunetti and *L. pauliani* Matile, but differs in color, dististyle curved, without lateral branch and basistyle without obvious subprocesses.

Key words Diptera, Mycetophilidae, *Leia*, new species.