

福建省菌蚊属二新种 (双翅目: 菌蚊科)*

吴 鸿· 何俊华

(浙江农业大学, 杭州市 310029)

摘要 本文报道福建武夷山的菌蚊属 *Mycetophila* Meigen 2新种: 赵氏菌蚊 *M. chaoi*、长尾菌蚊 *M. dolichocenta*。模式标本保存在浙江林学院昆虫标本室。

关键词 双翅目; 菌蚊科; 菌蚊属; 新种; 福建

菌蚊属 *Mycetophila* Meigen 隶于菌蚊科 Mycetophilidae 菌蚊亚科 Mycetophilinae, 是菌蚊科中最大的属。幼虫以真菌为食, 是栽培和野生大型真菌的重要害虫。本文记述采自福建武夷山国家级自然保护区的菌蚊属2新种。模式标本保存在浙江林学院昆虫标本室。

赵氏菌蚊, 新种 *Mycetophila chaoi*, sp. nov. (图1—2)

雄: 头部黄色, 中央褐色, 触角黄褐色。中胸盾片黄色, 有3条清晰褐色宽纵带。小盾片黄色, 两侧褐色。侧板主要褐色。足黄色, 后腿节端部1/3褐色。腹部褐色, 外生殖器淡褐色。翅淡黄色透明, 褐色中斑存在。

前胸前侧片和中胸后侧片各有3根长刚毛。中胫节具2a, 1a—d, 5d (基部1根较弱), 2p (亚端位), 2v。后胫节具5~6a, 7d。后基节具弱短后鬃, 亚端鬃直长且短于基节直径。翅长2.7mm, r—m 长约为M主干的2倍, tb脉光裸。外生殖器如图1~2。

正模♂, 副模2♂♂, 福建武夷山挂墩, 1992. X. 7, 吴鸿采, No. 910128, 910140, 910153 (浙江林学院)。

新种与分布于北美和欧洲的种 *M. stolidus* Walker 略相似, 但后者的tb脉具10~15根微毛, 生殖刺基突端部明显分支, 末端尖出, 容易区别。

新种以福建农业大学赵修复教授的姓氏命名, 庆祝他从事昆虫学教学科研60周年和81华诞, 并感谢他多年来对作者的关怀和指导。

长尾菌蚊, 新种 *Mycetophila dolichocenta*, sp. nov. (图3—4)

雄: 头部淡黄褐色。触角褐色, 须褐黄色。中胸盾片黄色, 有3多少明显的褐色宽纵带。小盾片褐色, 两侧黄色。侧板主要褐黄色。足黄色。腹部黄褐色, 外生殖器黄色。翅淡黄色透明。

前胸前侧片有4根长刚毛。中胸后侧片有3根刚毛。中胫节具2a, 5d (基部1根较弱), 2p (亚端位), 1v。后胫节具6a, 5d (基部1根较弱)。后基节具弱而短后鬃, 亚端鬃直长且短于基节直径。翅长2.8~2.9mm, r—m 略短于M主干, tb脉光裸。外生殖器如图3~4。

正模♂, 福建武夷山挂墩, 1991. X. 7, 吴鸿采, No. 910136 (浙江林学院)。

新种与分布于北美及欧洲的 *M. caudata* Staeger 相近, 但后者的中后胫节鬃数量不同, 生

* 现工作单位: 浙江林学院, 浙江省临安市 311300

殖刺端突短而端部向两侧扩张，且无长毛，生殖刺基突较长而端部分支，因而容易区别。

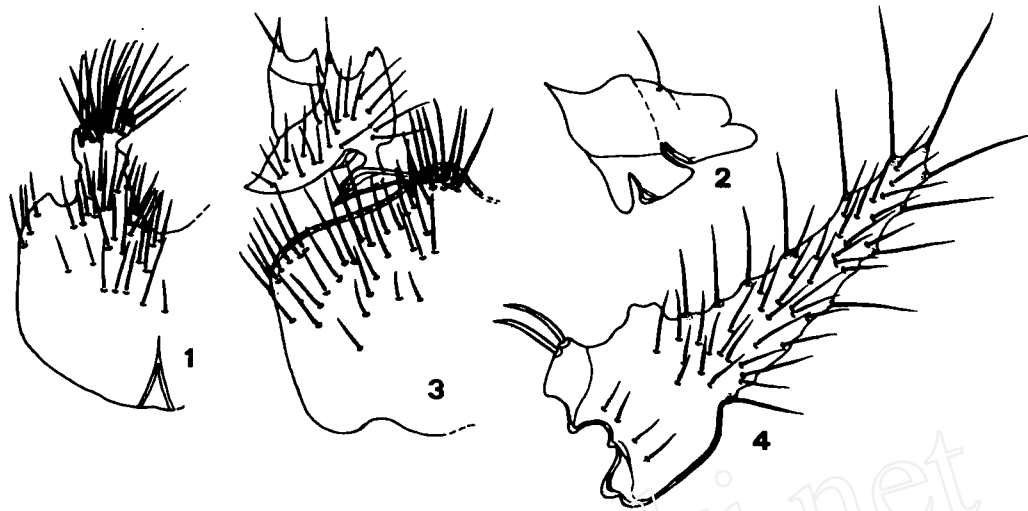


图1—2 赵氏菌蚊 *Mycetophila chaoi*, sp. nov. ;

图3—4 长尾菌蚊 *Mycetophila doichocenic*, sp. nov. ;

1, 3. 生殖突基肢节和生殖刺基突, 腹面观 (gonocoxopodites and basistyle, ventral view);

2, 4. 生殖刺端突, 侧背面观 (dististyle, dorsolateral view)

参 考 文 献

- Bukowski, W. 1949. New fungus gnats (Diptera, Fungivoridae) from the Crimea. Entomol. Obozr. 30: 405—409 (in Russian).
- Chandler, P. 1994. The fungus gnats of Israel (Diptera: Sciaroidea, excluding Sciaridae). Israel J. Entomol. 28: 1—100.
- Edwards, F. W. 1925. British fungus-gnats (Diptera, Mycetophilidae) with a revised generic classification of the family. Trans. Roy. Entomol. Soc. London—1924: 505—670.
- Laffoon, J. 1957. A revision of the Nearctic species of Fungivora (Diptera, Mycetophilidae). Iowa State Coll. J. Sci. 31 (1956): 141—340.
- Wu, H. 1997. The Chinese species of the *Mycetophila ruficollis* group (Diptera: Mycetophilidae). Entomotaxonomia (in press).

TWO NEW SPECIES OF THE GENUS MYCETOPHILA FROM FUJIAN, CHINA (DIPT. : MYCETOPHILIDAE)

Wu Hong He Jun-hua

(Zhejiang Agricultural University, Hangzhou, Zhejiang 310029)

Abstract In the present paper two new species of the mycetophilids genus *Mycetophila* are described. The type specimens are deposited in Zhejiang Forestry College.

***Mycetophila chaoi* Wu et He, sp. nov. (Figs. 1~2)**

Similar to *M. stolidia* Walker, but the long basal cross vein tb bare, mid tibia with 2a, 1a-d, 5d, 2p, 2v, hind tibia with 5a, 7d, basistyle with indicated branched apically. The shape of dististyle and gonocoxopodites are also different.

Holotype ♂, paratypes 2 ♂♂, Guadun, Wuyishan, Fujian Prov., 7. X. 1991, WU Hong.

This species is named in honour of Professor Dr. Zhao Xiu-fu (Chao Hsiu-fu), a well-known Chinese entomologist, for celebrating his 81st birthday anniversary.

***Mycetophila dolichocenta* Wu et He, sp. nov. (Figs. 3~4)**

Allied to *M. caudata* Staeger, but differs from the latter by: mid tibia with 2a, 5d, 2p, 1v, hind tibia with 6a, 5d, basistyle with several spined lobes, dististyle extremely long and with long setae.

Holotype ♂, Guadun, Wuyishan, Fujian Prov., 7. X. 1991, WU Hong.

Key words Diptera; Mycetophilidae; *Mycetophila*; new species;

www.cnki.net