

STUDY ON CORDYLA FROM CHINA¹⁾
(DIPTERA: MYCETOPHILIDAE)

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Abstract Two species of *Cordyla* Meigen from China are recorded in this paper, of which one species is described as new to science and one species is reported for the first time from China. The type specimens are deposited in Zhejiang Forestry College.

Key words Diptera, Mycetophilidae, Exechiini, *Cordyla*, new species.

Cordyla Meigen is a small genus in Exechiini. There are nearly 20 European species and about 10 Nearctic species described. The genus is not recorded outside the Holarctic region. Here the authors report 2 species, of which 1 species is described as new to science, and 1 species is recorded for the first time from China. The type specimens are deposited in Zhejiang Forestry College. *Cordyla* Meigen is new record to China.

1 *Cordyla borealis* Wu, sp. nov. (Figs. 1-9)

Wing length 2.9-2.6 mm. Palpi with large oval segment brown, 0.7 time as long as height of eyes. Antennae short, 13 flagellar segments, 0.6 time as long as head and thorax, yellowish brown; flagellar segments 0.4 time as long as wide. Proepisternum yellowish brown. Mesoscutum yellow, covered by fair setae. Mesanepisternum, laterotergite and mesepimeron covered by fair setae. Scutellum with 4 long bristles. Wing clear yellowish. Cross vein r_m a little longer than one third of length of m -stalk. M_2 abbreviated from margin. Base of posterior fork before that of median fork. Halter yellow. Legs yellow. Fore leg short, femur:tibia:metatarsus = 1.0 : 0.5 : 0.6. Middle femur:tibia = 1.0 : 0.9. Hind femur subequal to tibia. Middle tibia with 10a, 2p, 5p-d. Hind tibia with 12a, 2p, 6p-d. Abdominal tergites dark brown, with sides of tergites 1-3 and anterior angles of tergites 1-4 yellow. Sternites 1-3 brownish yellow, sternites 4-6 brown. The male genitalia are shown in Figs. 1-3.

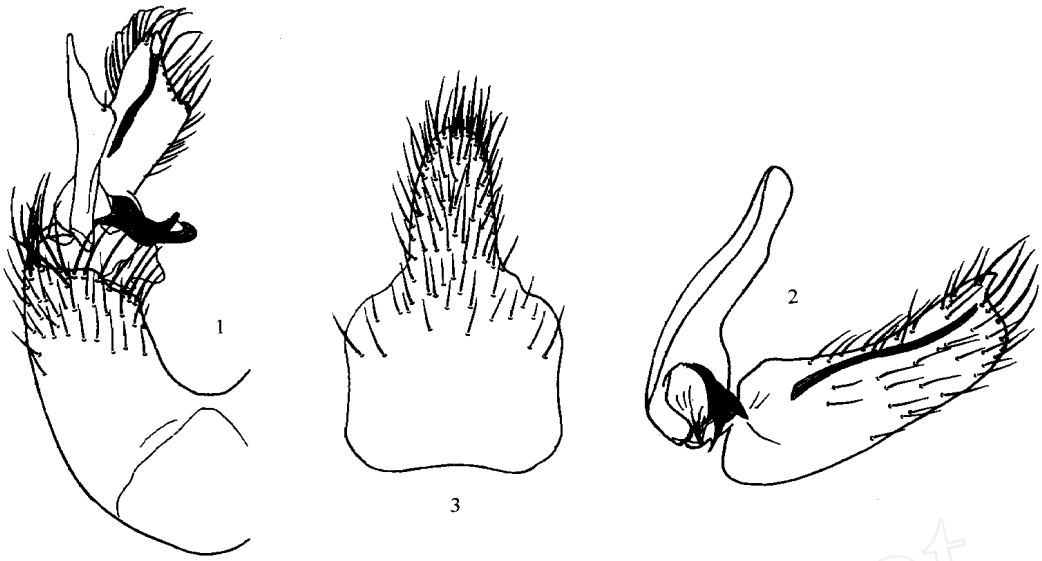
Holotype, Changbaishan (42°02' N, 128°08' E), Jilin, Aug. 24, 1985, collected by YANG Chi-Kun, No. 880402. Paratypes 2♂, 1♀, Xinglong County, Wulingshan (40°36' N, 117°29' E), Hebei, Aug. 23, 1973, collected by YANG Chi-Kun, No. 880122; 1♂, Zhuozi County, Bao'an Forest Station (43°31' N, 121°34' E), Inner Mongolia, Aug. 22, 1978, collected by YANG Chi-Kun, No. 880202.

This species is allied to *Cordyla styliforceps* (Bukowski, 1934), but differs in the structure of sternite 8 and gonostylus.

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Figs. 1-3 *Cordyla borealis* Wu, sp. nov.
1. male genitalia, ventral view 2. gonostylus, lateral view 3. sternite 8

2 *Cordyla brevicornis* (Staeher, 1840)

Pachypalpus brevicornis Staeher, 1840: *Naturh. Tidsskr.* 3:269. Type locality: "Fredriksbergs slothave", Denmark.

New record to China.

Material examined. 1 ♂, Yuzhong County, Xinglongshan (34°25' N, 105°43' E), Gansu, Aug. 20, 1980, collected by YANG Chi-Kun, No. 880490; 4 ♂, Kaihua County, Gutianshan (29°16' N, 118°06' E), Zhejiang, July 21-30, 1992, collected by WU Hong, No. 931039, 931100, 931898, 931985; 2 ♂, Guiyang (26°35' N, 106°42' E), Guizhou, July 25, 1987, collected by YANG Chi-Kun, No. 880079, 880084.

Host. *Amanita* spp., *Boletus* spp., *Russula* spp.

Distribution. China: Gansu, Zhejiang, Guizhou; Mongolia, Russia, Europe.

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中国心菌蚊属研究¹⁾

(双翅目:菌蚊科)

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摘 要

心菌蚊属 *Cordyla* Meigen 生活于肉质真菌 *Russula* 属及地下真菌 *Rhizopogon* 属,主要取食菌柄基部,形成小而致密的白丝茧,在地下化蛹。仅分布于全北区,已知欧洲 20 种,新北区 10 种。本文报道中国心菌蚊属 1 新种和 1 新纪录种,模式标本保存于浙江林学院昆虫标本室。本属为中国新纪录属。

北方心菌蚊,新种 *Cordyla borealis* Wu, sp. nov. (图 1~3)

雄 翅长 2.9~3.6 mm。本种与分布于克里米亚的 *Cordyla styliforceps* (Bukowski, 1934) 相近似,但后者的第 8 腹板为鞋形,生殖刺突构造也不同,可以区别。

正模 吉林长白山岳桦林,1985-08-24,杨集昆采。副模 2 ,1 ,河北兴隆雾灵山,1973-08-23,杨集昆;1 ,内蒙古卓资保安林场,1978-08-22,杨集昆采。

短角心菌蚊 *Cordyla brevicornis* (Staecker, 1840)

中国新纪录。

标本记录:1 ,甘肃榆中兴隆山,1980-08-20,杨集昆采;4 ,浙江开化古田山,1992-07-21~30,吴鸿采;2 ,贵州贵阳贵州省林业科学研究所,1987-07-25,杨集昆采。

寄主:鹅膏菌属、牛肝菌属、红菇属等真菌。

分布:甘肃、浙江、贵州;蒙古,俄罗斯,欧洲。

关键词 双翅目,菌蚊科,伊菌蚊族,心菌蚊属,新种.

中图分类号 Q969.44

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