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**Two New Species of the Genus *Mycodrosophila* (Diptera, Drosophilidae)
from Korea**

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韓國產 *Mycodrosophila* 屬 (초파리科)의 2新種

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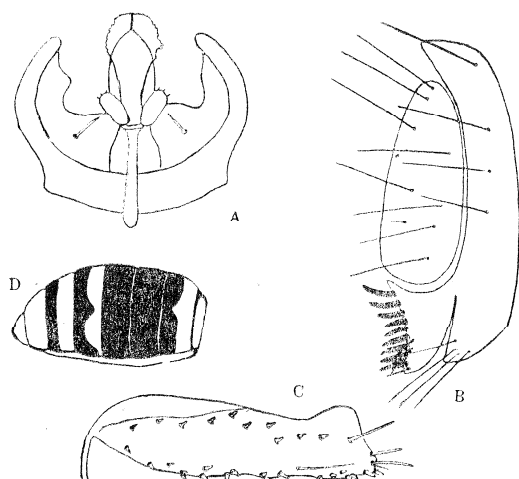


Fig. 2. *Mycodrosophila planipalpis* sp. nov.

A. Phallic organs (ventral aspect); B. Periphallallic organs; C. Egg-guide; D. Male abdomen.

Egg-guides: Lobe yellowish orange, with about 19 marginal and 10 discal yellowish teeth as well as about 4 long subterminal hairs.

Holotype: ♂, Mt. Sori, Kyungki Province. August, 1964 (Bahng).

Allotype: ♀, collected together with holotype.

Paratypes: 3 ♂♂ and 6 ♀♀, collected together with holotype.

Feeding habits: Net sweeping on fungi.

Distribution: Mt. Sori, Kyungki Province, Korea.

Relationships: Closely resembles *Mycodrosophila stalkerii* Wheeler & Takada, but differs from it in the color pattern of the abdominal tergites.

Remarks: The holotype and allotype are deposited at the Department of Biology, Chungang University. The paratypes are deposited at the Department of Zoology, Seoul National University.

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韓國產 *Mycodrosophila* 屬 (초파리科)의 2新種

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摘 要

著者들은 1964年 京畿道 光陵의 蘇利峯 일대에서 採集된 標本을 정리하였던 바 *Mycodrosophila* 屬의 新種 2種을 얻었기에 報告하는 바이다.

Mycodrosophila biceps sp. nov. 國名: 쌍혹-벼섯초파리(新稱)

Mycodrosophila planipalpis sp. nov. 國名: 광능-벼섯초파리(新稱)

Mycodrosophila 屬은 현재까지 約 40種이 記載되었으며 韓國에서는 9種이 알려져있다. 이 번에 著者들이 2種을 追加하여 韓國產 *Mycodrosophila* 屬은 모두 11種이 된다.

The genus *Mycodrosophila* is worldwide with about forty described species, mostly from the tropics. In Korea, nine species have hitherto been recorded; i.e., *Mycodrosophila basalis* OKADA, *M. japonica* OKADA, *M. koreana* LEE & TAKADA, *M. nigropteropleura* KANG, LEE & BAHNG, *M. palmata* OKADA, *M. poecilogastra* (LOEW), *M. shikokuana* OKADA, *M. splendida* OKADA and *M. takachihonis* OKADA.

In the present paper are described two new species of the genus *Mycodrosophila* from Korea. The authors wish to offer cordial thanks to Dr. Haruo Takada, Kushiro-Women's College, Japan, for reading the manuscript and for valuable advice and criticism.

✓ *Mycodrosophila biceps* sp. nov. (Fig. 1).

Male and female: Body about 2.3 mm., yellow, with blackish brown patches. Antenna blackish yellow. Arista with about 7 branches, including a large fork, one below it. Ocellar triangle and periorbits blackish brown. Front yellow about half as broad as head-width. Palpus yellow, with a long apical bristle, as well as several shorter bristle. Clypeus blackish brown. Carina yellowish orange, narrow. Cheeks yellowish orange, black above, and about 1/4 as broad as the greatest diameter of eye.

Second orbital bristle minute. Only one prominent oral bristle. Eye dark red, bare.

Mesonotum blackish brown, but posteriorly paler. Scutellum blackish brown. Thoracic pleura yellow. Humeral bristles

3. Acrostichal hairs in about 10 irregular rows. Sterno-index about 0.6.

Legs yellow, preapicals on hind tibia, apicals on fore and middle. Wings hyaline, black at the end of first section, and slightly fuscous below radius 1. Crossveins clear. Costal-index about 1.2, 4v-index about 2.2, 4c-index about 1.5, 5x-index about 2.0, C 3-bristles on basal about 1/2. Halteres yellow, with black spot at the base of knob. Abdominal tergites pale yellow, with brownish black bands as follows: 2-3 T with caudal bands broadly interrupted at middle; 4 T with caudal band concaved at middle; 5 T with caudal band projected at middle and both lateral sides.

Periphallic organs: Genital arch pale yellow, narrowly prolonged at lower end, with about 4 upper marginal and 2 lower marginal hairs. Clasper pale yellow, and distally with about 7 black teeth arranged in a concave row. Anal plate pale yellow, oval, and with about 15 long hairs.

Phallic organs: Aedeagus yellow, bilobed at tip. Anterior parameres minute, yellow, and each with about 4 apical sensilla. Ventral fragma pale yellow, oval.

Egg-guides: Lobe slender, pale yellow, with about 13 yellowish marginal teeth, and a discal tooth and ultimate marginal ones being longest. There is a subterminal long hairs on each lobe.

Holotype: ♂, Mt. Sori, Kyungki Province, July, 1964 (Bahng).

Allotype: ♀, collected together with holotype.

Paratypes: 5 ♂♂ and 2 ♀♀, collected together with holotype.

Feeding habits: Net sweeping on fungi.

Distribution: Mt. Sori, Kyungki Province, Korea.

Relationships: Closely resembles *Mycodrosophila nigropteroptera* KANG, LEE & BAHNG, but differs from it in body smaller and in the color pattern of abdominal tergites.

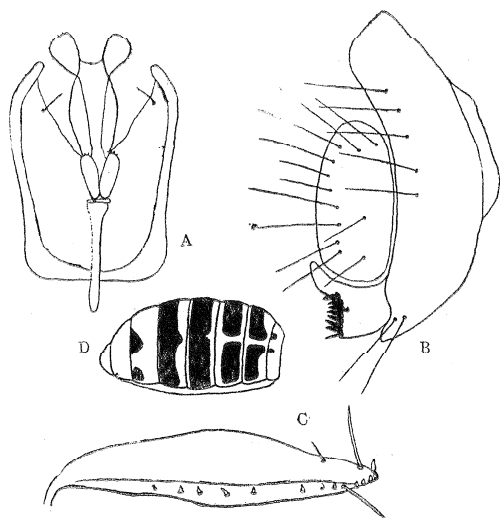


Fig. 1. *Mycodrosophila biceps* sp. nov.

A. Phallic organs (ventral aspect); B. Periphallic organs; C. Egg-guide; D. Male abdomen.

Legs yellow. preapicals on hind tibia. apicals on fore and middle. Wings hyaline, black at the end of first section. Crossveins clear. Costal-index about 2.2, 4v-index about 2.0, 4c-index about 1.3, 5x-index about 2.0, C 3-bristles on basal about 3/5. Halteres yellow, with black spot at the base of knob. Abdominal tergites reddish yellow, with brownish black bands as follows: 1 T with caudal band projected at both lateral sides; 2 T with caudal band concaved at middle; 3-4 T with broad caudal black bands; 5 T with caudal band projected at middle and both lateral sides; 6 T with narrowly band.

Periphallic organs: Genital arch narrow, and pale yellow, with about 4 upper marginal and 5 lower marginal hairs. Clasper triangular, and pale yellow, with about 9 black teeth. Anal plate somewhat oval, with about 10 long hairs.

Phallic organs: Aedeagus yellow, and with finely serrate lateral margins. Anterior paramere minute, and with a few sensilla. Ventral fragma broader than long.

Remarks: The holotype and allotype are deposited at the Department of Biology, Chungang University. The paratypes are deposited at the Department of Zoology, Seoul National University.

✓ *Mycodrosophila planipalpis* sp. nov. (Fig. 2).

Male and female: Body about 2.8 mm., reddish yellow, with blackish brown patches. Antenna blackish yellow. Arista with about 7 branches, including a large fork, one below it. Ocellar triangle and periorbits blackish brown. Front reddish brown about half as broad as head-width. Palpus yellowish brown, flat and rounded, and with a few bristles. Clypeus black. Carina high and narrow. Cheeks yellowish orange, black above, and about 1/4 as broad as the greatest diameter of eye. Second orbital bristle minute. Only one prominent oral bristle. Eye dark red, bare.

Mesonotum and scutellum blackish brown. Thoracic pleura with a black longitudinal stripes. Humeral bristles 3. Acrostichal hairs in about 10 irregular rows. Sterno-index about 0.5.