Discovery of the Male of *Chymomyza atrimana* (Diptera, Drosophilidae)

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The present paper deals with the male of *Chymomyza atrimana Okada, 1956* (Diptera, Drosophilidae), which has never been known since it was described from Japan based on a single female specimen. This is a new record of this fly from Taiwan.

Our hearty thanks are due to Dr. Toyohi OKADA for his valuable information on the collection record of the present species.

*Chymomyza atrimana Okada*

*Chymomyza atrimana* Okada, 1956, 65.

*Diagnosis.* Fore leg with second tarsal joint black; wing tip not milky white; aedeagus asymmetric (Figs. 4–6); spermatheca with shallow introversion (Fig. 8).

Periphallic organs (Figs. 1–3): Epandrium bare except on dorsal margins; ventral projection with numerous bristles on both outer and inner sides, in addition to pile-shaped setae at tip of inner side. Cercus pubescent, narrowing caudally, with a few prominent bristles at tip. Surstylus with ca. 7 primary teeth and ca. 13 bristles.

Phallic organs (Figs. 4–6): Aedeagus gently curved dorsoventrally at distal half, submedially with ca. 11 serrations on ventral margins, apically with hook-like projection; aedeagal apodeme relatively short, slender. Anterior paramere black, rod-shaped, with ca. 3 sensilla at tip. Ventral fragma dark brown, medially concaved on ventral margin.

*Spermens examined.* 6 ♂, 2 ♀, collected from timber piles of ceder, Chitou (alt. ca. 1,400 m), Central Taiwan, China, 15. III. 1992 (H. WATABE leg.). Deposited in Biological Laboratory, Sapporo College, Hokkaido University of Education.

*Distribution.* Japan and China (Taiwan, n. loc.).

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Figs. 1–8. Genitalia of *Chymomyza atrimana* Okada, 1956. — 1, Phallic organs; 2, inner side of ventral lobe of epandrium; 3, surstylus; 4, phallic organs in ventral view; 5, phallic organs in lateral view; 6, tip of aedeagus; 7, lobe of ovipositor; 8, spermatheca. Signs: a, anterior paramere; c, surstylus; e, aedeagus; g, epandrium; o, aedeagal apodeme; t, cercus; v, ventral fragma. Scales = 0.1 mm.

Relationships. *Chymomyza atrimana* belongs to the *costata* species-group defined by Okada (1976, 1981) and is closely related to *Ch. caudatula* (Oldenberg) in the general external morphology and in periphallic organs (cf. Hackman et al., 1970) but can be distinguished from the latter by the diagnostic characters.

References


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