Research Note

Type specimens of mosquitoes (Diptera: Culicidae) of the Ryukyu Archipelago deposited in the National Science Museum and the Entomological Institute of Hokkaido University, Japan, in 2005

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Abstract: Due to completion of taxonomical descriptions of mosquitoes in the Ryukyu Archipelago, type specimens of Topomyia yanbarenensis Miyagi and 3 endemic species, Aedes daitensis Miyagi et Toma, Toxorhynchites okinawensis Miyagi, Toma et Tanaka and Ficalbia ichiromiyagii Toma et Higa, were properly deposited in the National Science Museum, Tokyo and the Entomological Institute of Hokkaido University in 2005. Deposition lists of type specimens of the 4 species are shown in this paper.

Key words: type specimens, deposition, Topomyia yanbarenensis, Aedes daitensis, Toxorhynchites okinawensis, Ficalbia ichiromiyagii

Due to completion of taxonomical descriptions of mosquitoes in the Ryukyu Archipelago, type specimens of Topomyia yanbarenensis Miyagi and 3 endemic species, Aedes daitensis Miyagi et Toma, Toxorhynchites okinawensis Miyagi, Toma et Tanaka and Ficalbia ichiromiyagii Toma et Higa, were transferred from the laboratory of Medical Zoology of the University of the Ryukyus to the National Science Museum of Japan and the Entomological Institute of Hokkaido University in which the type specimens were planned to be deposited. Type material information and deposition lists are shown in the present paper. Type specimens of the species deposited in the Natural History Museum, London, United Kingdom, and the National Museum of Natural History, Smithsonian Institution, Washington D.C., also are listed.


Holotype: Male (751126-2), with associated larval and pupal exuviae on a slide. Found as 4th stage larva in a bamboo internode at Yona, Kunigami, northern Okinawa Island, the Ryukyus, Japan, on November 26, 1975, by I. Miyagi (Deposition: the Entomological Institute of Hokkaido University (EIU)).

Paratypes: Male (75913-1) and a female (75711-4-4), with associated larval and pupal exuviae on slides (Deposition: the National Science Museum (NSM)). Male (751113) and a female (75826) (NSM). Larval and pupal exuviae (75530-10) from
a male, with associated male genitalia (75530-10, no. 1) on slides (NSM). Male (76623-1), with associated larval and pupal exuviae on a slide (EIHU). Male (75826-1), with associated larval and pupal exuviae, and genitalia on a slide (EIHU). Male (751020-1), with associated pupal exuviae on a slide (EIHU). Two females (75913-20 and 75826), with associated larval and pupal exuviae on slides (EIHU). Male and 3 females (all labeled as 75913-20) (EIHU). Larval and pupal exuviae (75710-4-3) from a male, with associated male genitalia (75710-4-3, no. 2) on slides (EIHU). All the paratypes were found in bamboo stumps or bamboo internodes at the same locality as the holotype from February to November 1975, by I. Miyagi and C. Hoshino. Some paratype specimens described to be sent to EIHU in the original descriptions, were deposited in NMNH, the Natural History Museum, London, United Kingdom (NHM) and the National Museum of Natural History, Smithsonian Institution, Washington D.C. (NMNH).


Holotype: Male (791006-1), with associated larval and pupal exuviae on a slide. Found as 4th stage larva in a tree hole at Zaisho, Minami Daito Island, the Ryukyus, Japan, on October 6, 1979, by I. Miyagi and T. Toma (NSM).

Paratypes: Three males (791006-2, 791006-3 and 791006-24), with associated larval and pupal exuviae (NSM). Two females (791006-4 and 791006-7), with associated larval and pupal exuviae on slides (NSM). Two males (791006-43 and 791006-44) and females (791006-25 and 791006-42) (NSM). Larva (791006-54) and pupal exuviae (791006-57) (NSM). Two males (791006-21 and 791006-22) and females (791006-8 and 791006-9), with associated larval and pupal exuviae on slides (EIHU). Three males (791006-45, 791006-46 and 791006-47) and females (791006-26, 791006-27 and 791006-28) (EIHU). Two males (791006-33, 791006-34) and females (791006-52, 791006-53) (NMNH). All the paratypes except for a male (791006-24) were found as the holotype. The male (791006-24) was found on July 25, 1979.


Holotype: Female (770921), with associated larval and pupal exuviae on a slide. Found as 4th stage larva in a tree hole at Ada, northern Okinawa Island, the Ryukyus, Japan, on September 21, 1977, by I. Miyagi and T. Toma (EIHU).

Allotype: Male (780124), with associated larval and pupal exuviae on a slide. Found at the same type locality as the holotype, on January 24, 1978, (EIHU).

Paratypes: Two males (861119-8 and 871022-2) and three females (78627-B-11, 780811-F-12 and 861119-9), with associated larval and pupal exuviae on slides (NSM). Larval and pupal exuviae (761107-A) from a male on a slide (NSM). Four males (770931-1-9, 781228-G-15, 790720-E-16 and 790729-18-17) and five females (761110-A-2, 77524-4, 770930-4-7, 770930-6-8 and 78627-A), with associated larval and pupal exuviae on slides (EIHU). Two males (87-10-22, no.3 and 77-05-24, no. 3) and female (87-11-21, no. 2) with larval and pupal exuviae on slides, with associated larval and pupal exuviae on slides (NMNH). Female (87-10-22) (NMNH). All the paratypes were found from tree holes, wooden oviposition traps and artificial containers at the same locality as the holotype from October, 1977 to October 1987 by I. Miyagi and T. Toma. Some paratype specimens described to be sent to EIHU in the original descriptions were deposited in NMNH, NHM and NMNH.


Holotype: Male (87-VI-78) with wing, head, thorax, abdomen, legs and genitalia
on a slide, found by a light trap in Funaura, Iriomote Is, Ryukyu Archipelago, Japan, on July 9, 1978 (NSM). Paratype: Male (9-VII-1978) on pins. Found as the holotype (NSM).

The remaining paratypes have been deposited in the Laboratory of Medical Zoology, Faculty of Medicine, School of Health Sciences, University of the Ryukyus.

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REFERENCES


