**NEW RECORDS AND ACCOUNTS**

First Collection of *Aedes japonicus* (Theobald)  
(Diptera: Culicidae) on Oahu, Hawaii

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**Abstract.** A single adult female of *Aedes japonicus* (Theobald) was collected in a gravid trap at the Honolulu International Airport, Oahu, HI, on October 31, 2012. This is the first detection of *Ae. japonicus* on Oahu, Hawaii.

**Key words:** *Aedes japonicus*, Culicidae, Oahu, Hawaii

The Vector Control Program of the State of Hawaii Department of Health currently monitors mosquito occurrence using gravid traps, ovitrap and New Jersey light traps at the Honolulu International Airport. A single adult female of *Aedes japonicus* (Theobald) was collected in a gravid trap there on October 31, 2012. This is the first detection of *Ae. japonicus* on Oahu. Additional trapping in the area of the collection site for two more weeks did not recover more specimens. The specimen was identified by the authors by comparison to the *Ae. japonicus* specimens collected on the island of Hawaii, and the voucher specimen was deposited in the State Department of Health, Vector Control program collection facility located in Halawa Valley, Oahu, Hawaii. *Aedes japonicus* is native to Japan, Korea, Taiwan, and eastern China (Tanaka et al. 1979). It was first detected in New Jersey and New York in 1998 and has since spread to more than 20 states on the U. S. mainland and parts of Canada (Peyton et al. 1999, Saenz et al. 2006).

In Hawaii, *Ae. japonicus* was first collected in a New Jersey light trap on November 24, 2003 on the island of Hawaii by Vector Control staff of the Hawaii Department of Health, and the following surveys indicated it was already established (Larish and Savage 2005, Larish et al. 2010). Since then, no extensive surveys have been taken on other Hawaiian islands to determine the possibility of its invasion. Now, finding *Ae. japonicus* on Oahu suggests that this species may occur on the other Hawaiian Islands. Even though the interception of a single specimen does not confirm establishment, a statewide survey of its status is warranted.

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**Literature Cited**


**Larish, L.B., P. Yang, and B.A. Asuncion.** 2010. Distribution and abundance of *Aedes (Finlaya) japonicus japonicus* (Theobald) in...

