

**RECORDS OF THE
HAWAII BIOLOGICAL SURVEY
FOR 1995
Part 2: Notes¹**

This is the second of two parts to the *Records of the Hawaii Biological Survey for 1995* and contains the notes on Hawaiian species of plants and animals including new state and island records, range extensions, and other information. Larger, more comprehensive treatments and papers describing new taxa are treated in the first part of this Records [*Bishop Museum Occasional Papers* 45].

New Hawaiian Pest Plant Records for 1995

PATRICK CONANT (Hawaii Dept. of Agriculture, Plant Pest Control Branch, 1428 S King St, Honolulu, HI 96814)

Fabaceae

Ulex europaeus L.

New island record

On 6 October 1995, Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife employee C. Joao submitted an unusual plant he found while working in the Molokai Forest Reserve. The plant was identified as *U. europaeus* and confirmed by a Hawaii Department of Agriculture (HDOA) nox-A survey of the site on 9 October revealed an infestation of ca. 19 m² at about 457 m elevation in the Kamiloa Distr., ca. 6.2 km above Kamehameha Highway. Distribution in Wagner *et al.* (1990, *Manual of the flowering plants of Hawai'i*, p. 716) listed as Maui and Hawaii.

Material examined: MOLOKAI: Molokai Forest Reserve, 4 Dec 1995, *Guy Nagai s.n.* (BISH).

Melastomataceae

Miconia calvescens DC.

New island record, range extensions

On 11 October, a student submitted a leaf specimen from the Wailua Houselots area on Kauai to PPC technician A. Bell, who had the specimen confirmed by David Lorence of the National Tropical Botanical Garden as being *M. calvescens*. This marks a **new island record** of this species from Kauai. A survey performed on the property by HDOA staff on 16 October revealed 2 *M. calvescens* plants at the residence. A survey of the surrounding area revealed another plant with 3 immature flower panicles growing in a gulch behind the homeowner's property. A subsequent survey of a nearby plant nursery revealed 20 *M. calvescens* plants ranging in height from ca. 1–12 m. According to the nursery's owner, a *M. calvescens* plant was given to him about 10 years ago by a friend who had obtained the plant in Honolulu. He destroyed that plant 2 years ago after he learned of its noxious characteristics. However, by that time, the plant had attained a large size with a trunk diameter of about 30 cm. Since then, the owner has been trying to control the volunteers.

1. All notes in this volume constitute Contribution No. 1996-006 to the Hawaii Biological Survey.

Assuming that the *M. calvescens* that was destroyed at the nursery was the source of the other plants in the vicinity, the infestation appears to be confined to an area within 300 m west of the nursery.

Material examined. KAUAI: Kawaihau District, Wailua Homesteads, Kauai Gardens subdivision, off Molo Street, 110 m, 13 Oct 1995, A. Bell sub D. Lawrence 7715 (BISH, PTBG).

On 27 December 1994, the HDOA was called to report a *Miconia* tree at an abandoned nursery near the end of Kalihi street in upper Kalihi Valley (C. Yamane, pers. comm.). HDOA personnel removed this large fruiting tree on 28 December 1994. Over 70 other plants have been killed there by volunteers and HDOA staff. Only 1 of these other plants was fruiting and it had only 4 panicles. Distribution in Wagner *et al.* (1990: 903) of volunteer seedlings limited to near Lyon Arboretum, Oahu, and on private estates near Hilo, Hawaii.

Material examined. OAHU: Honolulu District, Kalihi Valley, TMK 1-4-14-1, ca. 0.4 km S of Kalihi Stream at abandoned nursery site, ca. 207 m, Conant *s.n.* (BISH).

On 10 February 1995, HDOA personnel visited the Marks estate on Old Pali Road in Nuuanu Valley, Oahu and removed 2 fruiting trees, several seedlings and large saplings. The largest one was probably planted many years ago and all other plants were probably its progeny. Eradication work by HDOA at this site is continuing.

Material examined. OAHU: Honolulu District, Nuuanu Valley, TMK 1-9-5-4, 3860 Old Pali Road, former Marks Estate, ca. 200 m, P. Conant *s.n.* (BISH).

***Melastoma candidum* D. Don**

New island record

This plant was found naturalized for the first time on Oahu in Upper Kalihi Valley. Over 200 plants, some as tall as 6 m were pulled up or treated with herbicide in and around a commercial plant nursery on 19 July 1995 by HDOA staff. The proprietor of the nursery had no recollection of *M. candidum* being a part of the nursery inventory. Confirmation of the identification was made by George Staples at Bishop Museum. Distribution in Wagner *et al.* (1990: 911) is listed as Kauai and Hawaii.

Material examined. OAHU: Honolulu District, Kalihi Valley, TMK 1-4-20-12, 0.1 km N of Kalihi Stream in plant nursery, 220 m, 23 May 1995, Heu *s.n.* (BISH).

Rosaceae

***Rubus discolor* Weihe & Nees**

Range extension

Two live specimens of this species were seen on the West side of Waiomao stream in Palolo Valley on 23 May 1995. No flowers or fruit were present. This site is below another known infestation site on Lanipo Trail (R.L. Stemmerman, 1986, *Newsl. Hawaii. Bot. Soc.* 25: 72–73). On a recent visit to that site, this species was found invading dead patches of *Dicranopteris linearis* fern.

Material examined. OAHU: Honolulu District, Palolo Valley, W slope of Waiomao Str, 240 m, 23 May 1995, P. Conant & L. Nagasawa *s.n.* (BISH).