New Hawaiian plant records for 2013

HANK OPPENHEIMER & KEAHI M. BUSTAMENTE

Plant Extinction Prevention Program, Pacific Cooperative Studies Unit, University of Hawai‘i, PO Box 909, Makawao, Hawai‘i 96768, USA; e-mail: henryO@hawaii.edu

Ongoing field work, collections, and research continue to produce new, previously unpublished distributional records for the Hawaiian flora. In this paper eight new island records and two range extensions are reported. A total of 10 taxa in nine plant families are discussed. Seven taxa are dicotyledonous angiosperms, and three are monocots. One taxon is endemic. Collections were made on Kaua‘i, O‘ahu, Lāna‘i, and Maui. Information regarding the formerly known distribution of flowering plants is based on the Manual of Flowering Plants of Hawai‘i (Wagner et al. 1999) and information subsequently published in the Records of the Hawaii Biological Survey. Voucher specimens are deposited at the Bernice Pauahi Bishop Museum Herbarium Pacificum (BISH), Honolulu, with duplicates at the National Tropical Botanical Garden (PTBG), Lāwa‘i, Kaua‘i. A few specimens may be at only one facility; only in these cases will the herbarium acronym be cited.

Acanthaceae

Barleria repens Nees

New island record

Commonly cultivated as a ground cover or bedding plant, this species easily escapes and has been documented as a naturalized species on O‘ahu (Staples et al. 2002: 3), Lāna‘i, and East and West Maui (Oppenheimer 2003: 3). It was recently collected on Kaua‘i, where it is naturalized in disturbed lowland areas.


Asteraceae

Erigeron karvinskianus DC.

New island record

A weedy herb known from Kaua‘i, O‘ahu, Moloka‘i, Maui, and Hawai‘i (Wagner et al. 1990: 315; Hughes 1995: 2), this species was recently collected on Lāna‘i. It is a known habitat modifier of riparian areas and other mesic to wet sites. All plants observed were removed, and monitoring is ongoing.

Material examined. LĀNA‘I: headwaters of Hau‘ola Gulch, 950 m, 5 Feb 2013, Oppenheimer & Perlman H13101.

Begoniaceae

Begonia hirtella Link

New island record

Uncommonly cultivated, and naturalized in Hawai‘i in disturbed, wet, shaded sites, especially moist banks on Kaua‘i, O‘ahu, East & West Maui, and Hawai‘i (Wagner et al. 1999: 384; Lorence et al. 1995: 25; Oppenheimer 2004: 9), this begonia was found on Lāna‘i
growing in a clogged rain gutter at a single story residence, where it was growing in soil with *Phlebodium aureum*.

*Material examined.* LĀNA‘I: Lāna‘i City, 490 m, 20 Jul 2011, Oppenheimer, Bustamente, & Perlman H71109.

**Marantaceae**

*Calathea crotalifera* S. Watson

This large ornamental herb was documented as naturalized on O‘ahu (Wagner *et al.* 1999: 1464) and Hawai‘i (Parker & Parsons 2010: 42). On windward East Maui it was found to be locally common in disturbed sites in secondary lowland forest.


**Melastomataceae**

*Pterolepis glomerata* (Rotth.) Miq.

A weedy herb naturalized on Kaua‘i, O‘ahu, Moloka‘i, Lāna‘i, and Hawai‘i (Wagner *et al.* 1999: 912; Hughes 1995: 7; Wood 2006: 18), this species was recently collected in two sites in wet lowland forest on East Maui.

*Material examined.* MAUI: East Maui, Hāna Distr., Kawaiapa, 792 m, 23 Apr 2013, Oppenheimer, Bustamente, & J.Q.C. Lau H41325 (BISH); Waihoi Valley, vicinity of Waiohonu Stream, 930 m, 29 May 2013, Oppenheimer *et al.* H51316.

**Moraceae**

*Ficus religiosa* L.

Due to the presence of its pollinator wasp, Bo tree is now starting to escape cultivation on O‘ahu (Frohlich & Lau 2008: 7–8) and Hawai‘i (Parker & Parsons 2012: 20). On Maui, seedlings and saplings are becoming increasingly common in and around Lahaina. It has been observed along fences, roads, and walls, apparently below places where frugivorous birds would perch and pass the seeds. No mature trees have been observed growing near any of these immature plants.


**Myrsinaceae**

*Ardisia crenata* Sims

Previously reported as naturalized on Kaua‘i, O‘ahu, West Maui, and Hawai‘i (Wagner *et al.* 1999: 932; Oppenheimer 2004: 13; Frohlich & Lau 2012: 41), this shrub was found to be occasional along a small perennial stream on East Maui.

*Material examined.* MAUI: East Maui, Hāna Distr, Kea‘akai Gulch, 206 m, small shrubs naturalized along stream on rocks beneath *Ardisia elliptica* in degraded Pandanus-Acacia-Metrosideros forest, 27 Feb 2013, Oppenheimer & Perlman H21313.

**Poaceae**

*Dichelachne crinita* (L.f.) Hook.f.

Previously documented from East Maui (Starr *et al.* 2003: 29), this grass was collected on West Maui in disturbed mesic forest.

**Phleum pratense** L.  
*New island record*

A pasture grass, this species was included as a note in the introduction of the Poaceae in Wagner *et al.* (1999: 1483). It had been collected as an escape on Kaua‘i, O‘ahu, and Maui. Later, Herbst & Wagner (1999: 29) considered it naturalized on Kaua‘i and O‘ahu, but the Maui occurrence was still questionable, with only a 1941 specimen collected at the Makawao Experiment Station. The following specimen documents this grass as sparingly naturalized on East Maui.  

*Material examined.* MAUI: East Maui, Makawao Dist., Waikamoi Stream drainage basin, SE of Pu‘u Lu‘au, near gate before Hosmer Grove campground, unpaved road from Haleakalā National Park into Haleakalā Ranch and Waikamoi Preserve, 2057 m, 28 Sep 2010, Oppenheimer & Bily H91018.

**Rutaceae**

**Zanthoxylum dipetalum** H. Mann  
*New island record*

This species occurs on Kaua‘i, O‘ahu, Moloka‘i, and Hawai‘i islands and is divided into two varieties, with variety *tomentosa* endemic to Hawai‘i Island and extremely rare. Recently a small population of six trees was located in mesic forest on West Maui. They differ from the other two taxa in the size, shape, and number of leaflets, as well as pubescence; the abaxial surface is covered in very fine, minute white to gray hairs. Further study is needed in order to assign this population to either subtaxon.  


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**Literature Cited**