

SUPPLEMENT TO THE *MANUAL OF THE FLOWERING PLANTS OF HAWAII*

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Note: This file contains all of the information as published in Wagner, W. L., D. R. Herbst, and S. H. Sohmer. 1999. *Manual of the flowering plants of Hawai'i, revised edition* with supplement by Wagner, W. L. and D. R. Herbst, pp. 1855-1918. University of Hawaii Press, 1919 pp. in 2 volumes. (Bishop Museum Special Publication 97). The formatting and pagination are different. Also corrections and additions have been made to update the changes through November 2003.

INTRODUCTION

The intent of this supplement is to track the numerous new state and island records, taxonomic and nomenclatural changes, and rediscoveries published in the *Annual Records of the Hawaii Biological Survey* and other literature on Hawaiian vascular plants. It summarizes changes made in other publications (and other research papers currently in press or soon to be submitted from publication). In a few cases a specialist provided information or identifications (listed as "pers. comm.") for which there is no current or planned publication. The information, presented in tabular form, comprises an abbreviated listing of nomenclatural and taxonomic name changes, resurrections of taxa from synonymy, records of naturalized species previously undocumented in the Hawaiian Islands, records for naturalized species previously known only in cultivation or as adventives in the Hawaiian Islands, new island or intraisland range extensions of both naturalized and native species, the rediscovery of species presumed extinct or not collected for many years, and the correct names for plants previously misidentified in Hawaiian literature, particularly in the *Manual*. Included in the supplement are nomenclatural novelties that have not been published and are in press, submitted, or in late stages of manuscript preparation for publication elsewhere. We do not accept any of them as published here. While we cite the names of unpublished taxa and combinations for completeness, we do not intend to validate any of them here.

The supplement [Table 1] includes five categories of information:

1. The first column (Page) lists the page number in the *Manual* where the subject taxon appears, or where it would appear had it been included originally in the *Manual*. Also included here are the page numbers in italics of any illustrated taxon for which the name has changed.
2. The second column (Taxon) gives the currently accepted scientific name; it may differ from the name used in the *Manual*.
3. The third column (Type of Record) specifies the kind of record from among the following categories: taxa new to the state; newly naturalized plants previously known only in cultivation; new distributional records; rediscovery of species presumed extinct; new taxa of native plants; taxonomic or nomenclatural changes; resurrection of taxa relegated to synonymy in the *Manual*; corrected identifications; and changes in distribution status.
4. The fourth column (Citation) provides the author-date citation for the reference in which the information was published. Unpublished sources also are included as these contain more extensive information on nomenclatural or taxonomic changes that the cited authors (in most cases) plan to publish. The entries include both original research literature and literature discussing the changes as they apply to Hawaiian taxa. A list of the literature cited follows the table.
5. The fifth column (Comments) provides brief remarks to clarify the entry or explain its wider implications, or to express our opinion on the new information or proposed change.

In addition to tracking the changes mentioned above, we are now following a new family classification [Table 2] as presented on the website by Peter F. Stevens (2001). The *Manual* used a family delimitation outlined by Cronquist (1981), but given the amount of phylogenetic work, particularly molecular studies since the early 1980s, we have updated the family delimitation to reflect relationships based on this new work. We are currently using Stevens' phylogeny website as a comprehensive source as it covers all families world-wide, provides molecular and other evidence supporting the changes and literature references. The table shows the Cronquist family in the first column, the Stevens family in the second column, and the genera transferred following Stevens in the third column.

TABLE 1: Supplement

Page	TAXON	Type of Record	Citation	Comment
167	<i>Odontonema cuspidatum</i> (Nees) Kuntze	taxonomic change for <i>O. strictum</i> ; newly naturalized (Kaua`i, Hawai`i); new island (East Maui)	Lorence et al., 1995; Staples et al., 2002; Oppenheimer & Bartlett, 2002	
168	<i>Asystasia gangetica</i> (L.) T. Anderson	new island (Hawai`i)	Oppenheimer & Bartlett, 2000	
168, 169	<i>Barleria cristata</i> L.	new island (West Maui)	Oppenheimer & Bartlett, 2002	
170	<i>Barleria repens</i> Nees	newly naturalized (O`ahu); new islands (Lana`i, Maui)	Staples et al., 2002; Oppenheimer, 2003	
170	<i>Blechum pyramidatum</i> (Lam.) Urb.	taxonomic change for <i>B. brownei</i> and new island (Hawai`i)	Wagner & Herbst, 1995	
169, 170	<i>Dicliptera chinensis</i> (L.) Juss.	new islands (Hawai`i, Maui)	Staples et al., 2002; Oppenheimer 2003	
169, 171	<i>Hemigraphis reptans</i> (G. Forst.) T. Anderson	new islands (Moloka`i, East Maui) and range extension (West Maui)	Staples et al., 2002; Oppenheimer et al., 1999; Oppenheimer & Bartlett, 2002	
172	<i>Hypoestes phyllostachya</i> Backer	newly naturalized (Hawai`i)	Herbst & Wagner, 1999	
172	<i>Justicia spicigera</i> Schldl.	newly naturalized (O`ahu, Moloka`i)	Staples et al., 2002	
172	<i>Pseuderanthemum variable</i> (R. Br.) Radlk.	new state (O`ahu); new island (Kaua`i)	Herbarium Pacificum Staff, 1998; D. Wasshausen (pers. comm., 1998); Staples et al., 2003	misidentified as <i>Pseuderanthemum fasciculatum</i> (Oerst.) Leonard in Herbarium Pacificum Staff paper

Page	TAXON	Type of Record	Citation	Comment
173, 174	<i>Ruellia brittoniana</i> Leonard	new island (West Maui)	Oppenheimer & Bartlett, 2002	
174	<i>Ruellia devosiana</i> hort. Jacob-Makoy ex E. Morren	newly naturalized (Kaua`i)	Lorence et al., 1995	
174	<i>Ruellia brevifolia</i> (Pohl) C. Ezcurra	taxonomic change for <i>Ruellia graecizans</i> ; new islands (Moloka`i, East Maui)	Ezcurra, 1993; Oppenheimer, 2003	
173, 174	<i>Ruellia prostrata</i> Poir.	new islands (Moloka`i, West Maui)	Oppenheimer, 2003	
174	<i>Sanchezia speciosa</i> Leonard	newly naturalized (Kaua`i)	Lorence et al., 1995	Author incorrect in Lorence et al. paper
175	<i>Thunbergia alata</i> Bojer ex Sims	range extension (West Maui)	Oppenheimer, 2003	
175	<i>Thunbergia</i> <i>grandiflora</i> Roxb.	new island (East Maui)	Starr et al., 2002	
175	<i>Thunbergia laurifolia</i> Lindl.	new islands (East Maui, Hawai`i)	Starr et al., 1999; Oppenheimer, 2003	
176	<i>Sesuvium</i> <i>portulacastrum</i> (L.) L.	new island (Midway)	Bruegmann, pers. comm., 1998	
178	<i>Tetragonia</i> <i>tetraonoides</i> (Pall.) Kuntze	new islands (Midway, West Maui); range extension (East Maui)	Oppenheimer et al., 1999; Starr & Martz, 2000; Starr et al., 2003	
179	<i>Trianthema</i> <i>portulacastrum</i> L.	new island (West Maui)	Herbst & Wagner, 1996	
179	<i>Celosia argentea</i> L.	newly naturalized (Hawai`i)	Oppenheimer, 2003	
177, 180	<i>Achyranthes aspera</i> L. var. <i>aspera</i>	new island (Moloka`i)	Staples et al., 2002	
181	<i>Achyranthes mutica</i> A. Gray	rediscovery (Hawai`i)	Hawley & Pyle, 1995	
183	<i>Alternanthera</i> <i>brasiliiana</i> (L.) Kuntze	new island (O`ahu)	Wagner & Herbst, 1995	
183, 184	<i>Alternanthera</i> <i>pungens</i> Kunth	new islands (Kaua`i, Lana`i, West Maui) and range extension (East Maui)	Lorence & Flynn, 1999; Oppenheimer & Bartlett, 2002; Oppenheimer & Bartlett, 2000; Starr et al., 2002	
184, 185	<i>Alternanthera sessilis</i> (L.) DC.	new island (Kaua`i)	Lorence et al., 1995	

Page	TAXON	Type of Record	Citation	Comment
188	<i>Amaranthus retroflexus</i> L.	new state (Hawai`i)	Wagner et al., 1997	
188	<i>Amaranthus lividus</i> L. subsp. <i>polygonoides</i> (Moq.) Probst	new island (Midway)	Bruegmann, 1999	
184, 188	<i>Amaranthus spinosus</i> L.	new islands (Midway, Lana`i)	Starr et al., 2002; Oppenheimer, 2003	
189	<i>Amaranthus viridis</i> L.	new islands (Midway, Laysan, Moloka`i)	Hughes, 1995; Wagner & Herbst, 1995; Shannon & Wagner, 1996	
189	<i>Blutaparon vermiculare</i> (L.) Mears	new state (O`ahu)	Wagner & Herbst, 1995	
192	<i>Gomphrena celosioides</i> Mart.	new island (Kaua`i)	Wagner & Herbst, 1995	
192	<i>Gomphrena globosa</i> L.	new island (Kaua`i)	Lorence et al., 1995	
193	<i>Nototrichium divaricatum</i> Lorence	new species (Kaua`i)	Lorence, 1996	Na Pali area only; rare
198	<i>Annona cherimola</i> Mill.	newly naturalized (Hawai`i)	Staples et al., 2002	
198	<i>Artobotrys hexapetalus</i> (L. f.) Bhandari	newly naturalized (O`ahu, Hawai`i); new island (East Maui)	Nagata, 1995; Starr et al., 2003	no Annonaceae species previously reported as naturalized
200	<i>Anethum graveolens</i> L.	new island (Midway)	Starr et al., 2002	
201, 202	<i>Ciclospermum leptophyllum</i> (Pers.) Sprague	distribution correction (Kure)	Starr et al., 2003; Herbst & Wagner, 1992	
203	<i>Coriandrum sativum</i> L.	new islands (Kaua`i, East Maui)	Staples et al., 2002; Oppenheimer, 2003	
203	<i>Cryptotaenia canadensis</i> (L.) DC.	new islands (Moloka`i, Hawai`i)	Oppenheimer et al., 1999	
204	<i>Daucus pusillus</i> Michx.	new island (Kaua`i)	Lorence et al., 1995	
205, 206	<i>Hydrocotyle bowlesiaoides</i> Mathias & Constance	new islands (Lana`i, West Maui); range extension (East Maui)	Oppenheimer & Bartlett, 2002; Starr et al., 2003	
208	<i>Peucedanum sandwicense</i> Hillebr.	new island (O`ahu)	Herbarium Pacificum Staff, 1998	
212	<i>Spermolepis hawaiiensis</i> H. Wolff	rediscovery (Kaua`i, L~na`i)	Lorence et al., 1995; Wagner & Herbst, 1995	

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213	<i>Torilis arvensis</i> (Huds.) Link	new state (Kaua`i)	Staples et al., 2002	
214	<i>Alstonia macrophylla</i> Wall. ex G. Don	newly naturalized (Hawai`i)	Wagner et al., 1997	
215, 223	<i>Thevetia peruviana</i> (Pers.) K. Schum.	taxonomic change for <i>Cascabela thevetia</i> and new island (Midway)	Starr et al., 2002	an ill-advised change made in the <i>Manual</i> not adopted by specialists in the family
215	<i>Catharanthus roseus</i> (L.) G. Don	new island (Kaua`i)	Lorence et al., 1995	
221	<i>Vinca major</i> L.	new state (East Maui)	Starr et al., 2002	
222	<i>Ilex aquifolium</i> L.	new island (East Maui)	Wagner & Herbst, 1995	
222	<i>Ilex cassine</i> L.	newly naturalized (O`ahu, Hawai`i)	Imada et al., 2000	
228	<i>Hedera helix</i> L.	new island (East Maui)	Starr et al., 2003	
229	<i>Munroidendron</i> <i>racemosum</i> (C. N. Forbes) Sherff	range extension, unusual specimen (Kaua`i)	Herbst & Wagner, 1996	
232, 239	<i>Schefflera</i> <i>actinophylla</i> (Endl.) Harms	new island (Moloka`i)	Staples et al., 2002	
232	<i>Schefflera arboricola</i> (Hayata) Hayata	newly naturalized (East Maui)	Starr et al., 2003	
234	<i>Tetraplasandra</i> <i>flynnii</i> Lowry & K. R. Wood	new species (Kaua`i)	Lowry & Wood, 2000	known from only a few individuals (Kalalau) and endangered
237	<i>Aristolochia littoralis</i> Parodi	new islands (Kaua`i, East Maui)	Imada et al., 2000; Starr et al., 2003	
238	<i>Calotropis gigantea</i> (L.) W. T. Aiton	newly naturalized (Maui)	Starr et al., 2003	
240	<i>Hoya australis</i> R. Br. ex Trail	newly naturalized (East Maui)	Lorence & Flynn, 1999	
241	<i>Stapelia gigantea</i> N. E. Br.	new island (West Maui)	Oppenheimer et al., 1999	
242	<i>Kalimeris indica</i> (L.) Sch. Bip. subsp. <i>indica</i>	taxonomic change for <i>Boltonia indica</i> and newly naturalized (Kaua`i)	Nagata, 1995; Gu & Hoch, 1997	
253, 254	<i>Adenostemma</i> <i>viscosum</i> J. R. Forst. & G. Forst.	taxonomic change/misidentification as <i>A. lavenia</i>	King & Robinson, 1987	<i>Adenostemma lavenia</i> is endemic to Sri Lanka while <i>A.</i> <i>viscosum</i> , indigenous in the Hawaiian Is., is widespread in Pacific region

Page	Taxon	Type of Record	Citation	Comment
255	<i>Ageratina riparia</i> (Regel) R. M. King & H. Rob.	new islands (Kaua`i, Lana`i)	Herbst & Wagner, 1996; Oppenheimer & Bartlett, 2002	
256	<i>Ageratum</i> <i>houstonianum</i> Mill.	new island (East Maui)	Oppenheimer & Bartlett, 2000	
265	<i>Artemisia vulgaris</i> L.	new island (East Maui)	Wagner & Herbst, 1995	
266	<i>Symphyotrichum</i> <i>squamatum</i> (Spreng.) G. L. Nesom	taxonomic change for <i>Aster subulatus</i> var. <i>sandwicensis</i>	Nesom, 1994, 2000	
270	<i>Bidens alba</i> L. var. <i>radiata</i> (Sch. Bip.) Ballard ex Melchert	new island (Moloka`i)	Hughes, 1995	
273	<i>Bidens campylotheca</i> Sch. Bip. subsp. <i>campylotheca</i>	new island (Kaua`i)	Lorence et al., 1995	
273	<i>Bidens campylotheca</i> Sch. Bip. subsp. <i>pentamera</i> (Sherff) Ganders & Nagata	new populations extending range (West Maui)	Lau, 1995	
274	<i>Bidens cynapiifolia</i> Kunth	new island (Kaua`i)	Lorence et al., 1995	
284	<i>Calyptocarpus vialis</i> Less.	new island (Midway)	Bruegmann, 1999	
286	<i>Centaurea cyanus</i> L.	newly naturalized (Lan~i); new island (Hawai`i)	Wagner & Herbst, 1995; Staples et al., 2003	
286	<i>Centratherum</i> <i>punctatum</i> Cass. subsp. <i>punctatum</i>	newly naturalized (Kaua`i); new island (Hawai`i)	Lorence et al., 1995; Oppenheimer, 2003	
286	<i>Leucanthemum</i> <i>vulgare</i> L.	taxonomic change for <i>Chrysanthemum</i> <i>leucanthemum</i>	Bremer & Humphries, 1993	
286	<i>Tanacetum</i> <i>parthenium</i> (L.) Sch. Bip.	taxonomic change for <i>Chrysanthemum</i> <i>parthenium</i>	Bremer & Humphries, 1993	
288	<i>Conyza canadensis</i> (L.) Cronquist var. <i>pusilla</i> (Nutt.) Cronquist	new island (Midway)	Wagner & Herbst, 1995	
289	<i>Coreopsis lanceolata</i> L.	new island (West Maui)	Meidell et al., 1997	
289	<i>Cotula australis</i> (Sieber ex Spreng.) Hook. f.	new island (Kaua`i); range extension (West Maui)	Lorence et al., 1995; Oppenheimer, 2003	

Page	TAXON	Type of Record	Citation	Comment
291	<i>Crassocephalum crepidioides</i> (Benth.) S. Moore	new island (L~na`i)	Nagata, 1995	
291	<i>Crepis vesicaria</i> L. subsp. <i>taraxacifolia</i> (Thuill.) Thuill.	new state (Hawai`i)	Staples et al., 2002	
297	<i>Dubautia waianapanapaensis</i> G. D. Carr	taxonomic change for <i>D. dolosa</i>	Carr, 1995	<i>D. dolosa</i> is a hybrid of <i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i> x <i>Dubautia menziesii</i>
298	<i>Dubautia kenwoodii</i> G. D. Carr	new species (Kaua`i)	Carr, 1998	Kalalau rim only; extremely rare and endangered
308	<i>Dubautia syndetica</i> G. D. Carr & Lorence	new species (Kaua`i)	Carr & Lorence, 1998	Wahiaw~Mts.; rare
308	<i>Dyssodia tenuiloba</i> (DC.) B. L. Rob.	newly naturalized (O`ahu, West Maui)	Starr et al., 2002	
306, 309	<i>Eclipta prostrata</i> (L.) L.	name change for <i>E. alba</i> ; new island (Lana`i)	Wagner & Herbst, 1995; Oppenheimer, 2003	
306, 310	<i>Elephantopus mollis</i> Kunth	new island (Lana`i)	Oppenheimer & Bartlett, 2002	
310	<i>Pseudelephantopus spicatus</i> (B. Juss. ex Aubl.) C. F. Baker	taxonomic change for <i>Elephantopus spicatus</i> and correction of authors	Bremer, 1994	
312	<i>Emilia coccinea</i> (Sims) G. Don	new island (Kaua`i)	Imada et al., 2000	
312	<i>Emilia sonchifolia</i> (L.) DC. var. <i>javanica</i> (Burm. f.) Mattf.	new island (East Maui)	Wagner et al., 1997	
311, 312	<i>Emilia sonchifolia</i> (L.) DC. var. <i>sonchifolia</i>	new island (Hawai`i)	Oppenheimer & Bartlett, 2002	
311, 314	<i>Erechtites valerianifolia</i> (Wolf) DC.	new islands (Kaho`olawe)	Staples et al., 2003	
314	<i>Erigeron bellidoides</i> DC.	new populations (O`ahu); range extension (West Maui); new islands (Moloka`i, Hawai`i)	Nagata, 1995; Oppenheimer & Bartlett, 2000; Staples et al., 2003 Oppenheimer, 2003	
315	<i>Erigeron karvinskianus</i> DC.	new island (Moloka`i)	Hughes, 1995	
315	<i>Eupatorium capillifolium</i> (Lam.) J. K. Small	new state (Hawai`i)	Staples et al., 2003	

Page	TAXON	Type of Record	Citation	Comment
315	<i>Logfia gallica</i> (L.) Coss. & Germ.	taxonomic change for <i>Filago gallica</i>	Wagner et al., 1997	
317	<i>Flaveria trinervia</i> (Spreng.) C. Mohr	new islands (Kaua`i, Kahoolawe, Maui)	Lorence et al., 1995; Herbst & Wagner, 1996; Oppenheimer, 2003	
317	<i>Florestina tripteris</i> DC.	new state (West Maui)	Oppenheimer & Bartlett, 2000	
318	<i>Gaillardia pulchella</i> Foug.	new islands (Kaua`i, Moloka`i)	Lorence et al., 1995	
320	<i>Euchiton japonicus</i> (Thunb.) A. Anderb.	new state (Hawai`i) and new island (East Maui)	Wagner et al., 1997; Staples et al., 2002	formerly treated as species of <i>Gnaphalium</i> , but those Hawaiian plants referred to it misidentified
320	<i>Euchiton sphaericus</i> (Willd.) A. Anderb.	misidentification as <i>Gnaphalium japonicum</i>	Wagner et al., 1997	
319,	<i>Gamochaeta</i>	taxonomic change	Wagner et al., 1997	
321	<i>purpurea</i> (L.) Cabrera			formerly treated as species of <i>Gnaphalium</i>
319,	<i>Pseudognaphalium</i>	taxonomic change and new varietal combinations	Wagner et al., 1997	formerly treated as species of <i>Gnaphalium</i>
321	<i>sandwicensium</i> (Gaudich.) A. Anderb. var. <i>hawaiiense</i> (O. Deg. & Sherff) W. L. Wagner; var. <i>kilaueanum</i> (O. Deg. & Sherff) W. L. Wagner; var. <i>molokaiense</i> (O. Deg. & Sherff) W. L. Wagner; and var. <i>sandwicensium</i>			
323	<i>Hesperomannia</i> A. Gray	new tribal placement from Mutisieae to Vernonieae	Kim et al., 1996; Kim et al., 1998	based on <i>ndhF</i> sequence data; detailed in Proc. Natl. Acad. Sci., 1998
325	<i>Hesperomannia arborescens</i> A. Gray	new island (West Maui)	Herbarium Pacificum Staff, 1999	
327	<i>Hypochoeris glabra</i> L.	new islands (Lehua, Lana`i)	Herbst & Wagner, 1996; Staples et al., 2003	
327	<i>Hypochoeris radicata</i> L.	new island (O`ahu)	Staples et al., 2002	

Page	TAXON	Type of Record	Citation	Comment
327	<i>Lactuca sativa</i> L.	taxonomic change for <i>L. serriola</i> ; new islands (Kaua`i, Moloka`i)	Koopman et al. 2001; Wagner & Herbst, 1995; Oppenheimer, 2003	
328, 329	<i>Keysseria erici</i>	taxonomic change for <i>Lagenophora erici</i>	Nesom, 2000, 2001; Nicolson 1996	Nesom demonstrates the differences between <i>Lagenophora</i> (nom. cons.) vs. <i>Keysseria</i> , a genus of 12 spp. of Hawaiian Islands, New Guinea, Celebes, and Borneo. He further places the Hawaiian species in the endemic sect. <i>Sandwicatis</i> Nesom
330	<i>Keysseria helenae</i>	taxonomic change for <i>Lagenophora helenae</i>	Nesom, 2000, 2001; Nicolson 1996	See comment for <i>L. erici</i>
330	<i>Keysseria maviensis</i>	taxonomic change for <i>Lagenophora maviensis</i>	Nesom, 2000, 2001; Nicolson 1996	See comment for <i>L. erici</i>
334	<i>Lipochaeta connata</i> (Gaudich.) DC. subsp. <i>acris</i> (Sherff) W. L. Wagner & H. Rob.	taxonomic change for <i>L. connata</i> var. <i>acris</i>	Wagner & Robinson, 2001	
334	<i>Melanthera bryanii</i> (Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	taxa of <i>Lipochaeta</i> sect. <i>Aphanopappus</i> do not differ from <i>Melanthera</i> , presumably sharing direct ancestry, and were transferred to it; allopolyploid species of <i>Lipochaeta</i> remain in a more narrowly delimited endemic genus <i>Lipochaeta</i> see comment under <i>Melanthera bryanii</i>
335, 336	<i>Melanthera fauriei</i> (H. Lév.) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	
336	<i>Melanthera integrifolia</i> (Nutt.) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
337	<i>Lipochaeta lobata</i> (Gaudich.) DC. subsp. <i>leptophylla</i> (O. Deg. & Sherff) W. L. Wagner & H. Rob.	taxonomic change for <i>L. lobata</i> var. <i>leptophylla</i>	Wagner & Robinson, 2001	

Page	Taxon	Type of Record	Citation	Comment
337	<i>Melanthera kamolensis</i> (O. Deg. & Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i>
335, 337	<i>Melanthera lavarum</i> (Gaudich.) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i>
338, 339	<i>Melanthera micrantha</i> (Nutt.) W. L. Wagner & H. Rob. subsp. <i>micrantha</i> ; and subsp. <i>exigua</i> (O. Deg. & Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i>
340	<i>Melanthera biflora</i> (L.) DC.	<i>Lipochaeta ovata</i> is a new synonym of the widespread Pacific species	Wagner & Robinson, 2001	type collected by Anderson was probably collected in eastern Polynesia, thus <i>W. biflora</i> is not part of indigenous Hawaiian flora see comment under <i>Melanthera bryani</i>
340	<i>Melanthera perdita</i> (Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i>
339, 340	<i>Melanthera remyi</i> (A. Gray) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i>
341	<i>Melanthera populifolia</i> (Sherff) W. L. Wagner & H. Rob.	taxonomic change and resurrection from synonymy of <i>Lipochaeta subcordata</i>	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i> ; extinct
341, 342	<i>Melanthera subcordata</i> (A. Gray) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i>
342, 343	<i>Melanthera tenuifolia</i> (A. Gray) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i>
343	<i>Melanthera tenuis</i> (O. Deg. & Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i>
342, 344	<i>Melanthera venosa</i> (Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i>
344	<i>Melanthera waimeaeensis</i> (H. St. John) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryani</i>
346	<i>Palafoxia callosa</i> (Nutt.) Torr. & A. Gray	new island (West Maui)	Oppenheimer & Bartlett, 2000	
347	<i>Parthenium hysterophorus</i> L.	new island (O`ahu)	Wagner & Herbst, 1995	

Page	TAXON	Type of Record	Citation	Comment
348, 351	<i>Pluchea indica</i> (L.) Less.	new island (Hawai`i)	Oppenheimer & Bartlett, 2002	
351	<i>Pluchea carolinensis</i> (Jacq.) G. Don	nomenclatural name change for <i>P. syphytifolia</i>	Wagner & Herbst, 1995	
352	<i>Reichardia picroides</i> (L.) Roth	new island (Moloka`i)	Shannon & Wagner, 1996	
354, 356	<i>Delairea odorata</i> Lem.	taxonomic change for <i>Senecio mikanioides</i>	Jeffrey, 1992; Bremer, 1994; Green, 1994a	treatment in a monotypic genus has recently gained wider acceptance
356	<i>Senecio madagascariensis</i> Poir.	new state (Kaua`i, Hawai`i); new island (East Maui); range extension (West Maui)	Lorence et al., 1995; Starr et al., 1999; Oppenheimer & Bartlett, 2002	
357	<i>Soliva sessilis</i> Ruiz & Pav.	new state (Hawai`i)	Wagner & Herbst, 1995	
358	<i>Sonchus oleraceus</i> L.	new island (Ni`ihau)	Herbarium Pacificum Staff, 1996	
359, 361	<i>Taraxacum officinale</i> W. W. Weber ex F. H. Wigg.	new island (Moloka`i)	Oppenheimer, 2003	
363	<i>Tetramolopium capillare</i> (Gaudich.) H. St. John	rediscovery (West Maui)	Herbst & Wagner, 1996	
371, 372	<i>Verbesina encelioides</i> (Cav.) Benth. & Hook.	new island (Pearl and Hermes)	Starr et al., 2002	
371, 373	<i>Cyanthillium cinereum</i> (L.) H. Rob.	taxonomic change for <i>Vernonia cinerea</i>	Wagner et al., 1997	
373,	<i>Sphagneticola trilobata</i> (L.) Pruski	taxonomic change for <i>Wedelia trilobata</i> and new islands (Maui, Hawai`i)	Wagner et al., 1997; Oppenheimer & Bartlett, 2002; Imada et al., 2000	
379	<i>Zinnia palmeri</i> A. Gray	maintain taxonomic recognition for <i>Z. palmeri</i> vs. <i>Z. maritima</i> Kunth	Strother, 1978; Staples et al., 2002	Strother's study was more detailed examination of problem than McVaugh's cited by Staples et al.; also chromosome numbers differ
379, 378	<i>Zinnia peruviana</i> (L.) L.	new islands (Moloka`i, Hawai`i)	Staples et al., 2002	

Page	TAXON	Type of Record	Citation	Comment
380	<i>Impatiens sodeni</i> Engl. & Warb. ex Engl.	taxonomic change for <i>Impatiens oliveri</i> ; new island (East Maui)	Grey-Wilson, 1982; Oppenheimer, 2003	
381	<i>Anredera cordifolia</i> (Ten.) Steenis	new island (L~na`i)	Nagata, 1995	
381	<i>Basella alba</i> L.	newly naturalized (O`ahu) and new island (Midway)	Nagata, 1995; Bruegmann, pers. comm., 1998	
383	<i>Begonia cucullata</i> Willd.	newly naturalized (Kaua`i, Hawai`i)	Lorence et al., 1995	
383	<i>Begonia fusca</i> Liebm.	newly naturalized (Kaua`i, O`ahu)	Miller & Staples, 2003	
383	<i>Begonia hirtella</i> Link	new island (Kaua`i)	Lorence et al., 1995	
384	<i>Begonia reniformis</i> Dryand.	new island (O`ahu)	Herbst & Wagner, 1996	
388	<i>Macfadyena unguis-cati</i> (L.) A. H. Gentry	new islands (West Maui, Hawai`i) and range extension (Hawai`i)	Oppenheimer & Bartlett, 2000; Imada et al., 2000; Starr et al., 2002	
388	<i>Tabebuia heterophylla</i> (DC.) Britton	newly naturalized (West Maui)	Oppenheimer, 2003	
389	<i>Tecoma castanifolia</i> (Don) Melch.	newly naturalized (O`ahu)	Herbarium Pacificum Staff, 1998	
392	<i>Carmona retusa</i> (Vahl) Masam.	newly naturalized (Kaua`i, West Maui); range extension (East Maui)	Lorence et al., 1995; Starr et al., 2003	
392	<i>Cordia dichotoma</i> G. Forst.	newly naturalized (O`ahu)	Herbarium Pacificum Staff, 1996	
392	<i>Cordia subcordata</i> Lam.	distribution status change to indigenous	Burney et al., 2001	based on subfossil seeds
396	<i>Heliotropium procumbens</i> Mill. var. <i>depressum</i> (Cham.) Fosberg	new island (Kaua`i)	Herbst & Wagner, 1999	
400, 401	<i>Brassica rapa</i> L.	taxonomic change for <i>B. campestris</i> ; new island (East Maui) and range extension (West Maui)	Wagner & Herbst, 1995; Al-Shehbaz, 1985; Oppenheimer & Bartlett, 2002	

Page	Taxon	Type of Record	Citation	Comment
400, 401	<i>Brassica nigra</i> (L.) W. D. J. Koch	distribution correction (Midway)	Starr et al., 2003; Apfelbaum et al., 1983; Bruegmann, 1998	
401, 402	<i>Capsella bursa-</i> <i>pastoris</i> (L.) Medik.	taxonomic change for <i>C.</i> <i>rubella</i> and new island (Midway)	Wagner & Herbst, 1995; Herbst & Wagner, 1996	
402	<i>Cardamine flexuosa</i> With.	new islands (Moloka`i, Lana`i)	Hughes, 1995; Oppenheimer, 2003	
403, 404	<i>Coronopus didymus</i> (L.) Sm.	new island (Laysan)	Staples et al., 2003	
401, 405	<i>Hirschfeldia incana</i> (L.) Lagr.-Foss.	new state (East Maui, Hawai`i) and misidentification as <i>Brassica nigra</i> pro parte	Lorence et al., 1995	the illustration in <i>Plate</i> 43 (p. 401) labelled <i>Brassica nigra</i> is actually <i>Hirschfeldia</i> <i>incana</i> as two of the misidentified specimens were used to prepare it
406	<i>Lepidium remyi</i> Drake	taxonomic change for <i>L.</i> <i>bidentatum</i> var. <i>remyi</i>	Wagner, unpubl.	
407, 408	<i>Lepidium africanum</i> (Burm. f.) DC.	misidentification as <i>L.</i> <i>hyssopifolium</i> ; new island (Maui)	Wagner & Herbst, 1995; Oppenheimer, 2003	
407	<i>Lepidium oblongum</i> Small	new island (Kaua`i)	Lorence et al., 1995	
408, 409	<i>Lepidium orbiculare</i> H. St. John	resurrection from synonymy of <i>L. serra</i>	St. John, 1981; Wagner, unpubl.	known only from H~upu
409	<i>Lepidium virginicum</i> L.	new island (Kaua`i); distribution correction (Kure)	Lorence et al., 1995; Starr et al., 2003; Herbst & Wagner, 1992; Woodward, 1972	
409	<i>Lobularia maritima</i> (L.) Desv.	new islands (O`ahu, Moloka`i, Hawai`i)	Wagner & Herbst, 1995; Lorence et al., 1995; Oppenheimer, 2003	

Page	Taxon	Type of Record	Citation	Comment
411	<i>Nasturtium microphyllum</i> Boenn. ex Rchb.	name changes, first from <i>Nasturtium microphyllum</i> to <i>Rorippa microphylla</i> then with new data back to <i>Nasturtium</i>	Wagner & Herbst, 1995; Al-Shehbaz & Price, 1998	new molecular results show the aquatic species with hollow stems sometimes placed in <i>Nasturtium</i> are more closely related to <i>Cardamine</i> than <i>Rorippa</i> where often placed
410, 411	<i>Rorippa sarmentosa</i> (G. Forst. ex DC.) J. F. Macbr.	name change from <i>Nasturtium sarmentosum</i>	Wagner & Herbst, 1995; Al-Shehbaz & Price, 1998	
412	<i>Raphanus raphanistrum</i> L.	newly naturalized (Kaua`i, O`ahu, Moloka`i, East Maui, Hawai`i)	Staples et al., 2003	
412	<i>Rapistrum rugosum</i> (L.) All.	new state (Kaua`i)	Lorence et al., 1995	
412	<i>Sinapis arvensis</i> L.	new state (Moloka`i)	Herbarium Pacificum Staff, 1998	based on a single specimen misidentified as <i>Brassica campestris</i>
414, 415	<i>Buddleia asiatica</i> Lour.	new island (Lana`i)	Oppenheimer & Bartlett, 2002	
415	<i>Buddleia davidii</i> Franch.	newly naturalized (Kaua`i); new island (East Maui)	Shannon & Wagner, 1996; Starr et al., 2003	
416	<i>Buddleia madagascariensis</i> Lam.	new islands (Kaua`i, East Maui)	Lorence & Flynn, 1999; Oppenheimer & Bartlett, 2000	
417	<i>Acanthocereus tetragonus</i> (L.) Hummelingk	newly naturalized (Kaua`i)	Lorence et al., 1995	
418	<i>Harrisia bonplandii</i> (Parm. ex Pfeiff.) Britton & Rose	newly naturalized (Kaua`i)	Lorence et al., 1995	
418	<i>Hylocereus costaricensis</i> (F. A. C. Weber) Britton & Rose	newly naturalized (Kaua`i)	Lorence et al., 1995	
419	<i>Opuntia ficus-indica</i> (L.) Mill.	new islands (Moloka`i, Lana`i)	Hughes, 1995; Oppenheimer & Bartlett, 2002	
420	<i>Opuntia monacantha</i> (Willd.) Haw.	nomenclatural change	Staples et al., 2002	

Page	TAXON	TYPE OF RECORD	CITATION	COMMENT
420	<i>Selenicereus macdonaldiae</i> (Hook.) Britton & Rose	newly naturalized (Kaua`i)	Lorence et al., 1995; G. Staples & D. Herbst, pers. comm., 1998	Lorence et al. reported as <i>Selenicereus grandiflorus</i> (L.) Britton & Rose, a misidentification
426	<i>Clermontia arborescens</i> (H. Mann) Hillebr. subsp. <i>waikoluensis</i> (H. St. John) Lammers	resurrection from synonymy of <i>C. arborescens</i> subsp. <i>waihiae</i> and new status and combination	Lammers, 1991	
430	<i>Clermontia grandiflora</i> Gaudich. subsp. <i>maxima</i> Lammers	new subspecies (East Maui)	Lammers, 1991	known only from the type; possibly extinct
435	<i>Clermontia peleana</i> Rock subsp. <i>singuliflora</i> (Rock) Lammers	resurrection from synonymy of <i>C. peleana</i> and new status and combination	Lammers, 1991	<i>C. peleana</i> is listed endangered (E*), but subsp. <i>singuliflora</i> is extinct
446, 447	<i>Cyanea floribunda</i> E. Wimm.	correct name for the plants treated as <i>C. degeneriana</i>	Lammers, unpubl.	the type of <i>C. degeneriana</i> becomes a synonym of <i>C. hirtella</i>
448	<i>Cyanea dolichopoda</i> Lammers & Lorence	new species (Kaua`i)	Lammers & Lorence, 1993	“Blue Hole,” N fork of Wailua River only and possibly extinct
448	<i>Cyanea dunbariae</i> Rock	rediscovery (Moloka`i) and spelling correction	Hughes, 1995; Lammers, pers. comm., 1997	
448	<i>Cyanea elealeensis</i> (H. St. John) Lammers	new species (Kaua`i) and new combination	St. John, 1987a; Lammers, 1992	described as a species of <i>Delissea</i> ; extremely rare and endangered
451	<i>Cyanea cylindrocalyx</i> (Rock) Lammers	new combination and status for <i>C. grimesiana</i> subsp. <i>cylindrocalyx</i> (Hawai`i)	Lammers, 1998	<i>Cyanea grimesiana</i> newly delimited to include populations from O`ahu and Moloka`i; those on O`ahu subdivided into 2 subspecies: <i>grimesiana</i> and <i>obatae</i>
451	<i>Cyanea mauiensis</i> (Rock) Lammers	resurrection from synonymy of <i>C. grimesiana</i> subsp. <i>grimesiana</i> and new combination	Lammers, 1998	Maui populations only; see note under <i>C. cylindrocalyx</i>
451	<i>Cyanea munroi</i> (Hosaka) Lammers	resurrection from synonymy of <i>C. grimesiana</i> subsp. <i>grimesiana</i> and new combination	Lammers, 1998	some Moloka`i and all L~na`i populations; see note under <i>C. cylindrocalyx</i>
452	<i>Cyanea habenata</i> (H. St. John) Lammers	new species and new combination (Kaua`i)	St. John, 1987a	described as a species of <i>Delissea</i> ; extremely rare and endangered

Page	Taxon	Type of Record	Citation	Comment
453	<i>Cyanea kolekoleensis</i> (H. St. John) Lammers	new species (Kaua`i) and new combination	St. John, 1987a; Lammers, 1992	described as a species of <i>Delissea</i> ; rare
453	<i>Cyanea kuhihewa</i> Lammers	new species (Kaua`i)	Lammers, 1996	Limahuli Valley only; extremely rare and endangered
454	<i>Cyanea lobata</i> H. Mann subsp. <i>lobata</i> ; and subsp. <i>baldwinii</i> (C. N. Forbes & G. C. Munro) Lammers	resurrection of <i>C. baldwinii</i> from synonymy of <i>C. lobata</i> , but with recognition at subspecies level	Lammers, 1999	
460	<i>Cyanea procera</i> Hillebr.	rediscovery (Moloka`i)	Hughes, 1995	
461	<i>Cyanea recta</i> (Wawra) Hillebr.	rediscovery (Kaua`i)	Lorence et al., 1995	
461	<i>Cyanea salicina</i> H. Lév.	resurrection from synonymy of <i>C. recta</i> for plants from NE Kaua`i	Lammers, unpubl.	<i>Cyanea recta</i> is restricted to Makaleha Mts., Powerline Trail, and Wai`oli Valley
464	<i>Cyanea kahiliensis</i> (H. St. John) Lammers	new status and new combination for plants treated as <i>C. spathulata</i> subsp. <i>longipetiolata</i>	St. John, 1987a; Lammers, 1998	described as a species of <i>Delissea</i>
466	<i>Cyanea remyi</i> Rock	resurrection from note under <i>C. truncata</i>	Lammers & Lorence, 1993	
467	<i>Cyanea undulata</i> C. N. Forbes	rediscovery (Kaua`i)	Lorence et al., 1995	
469	<i>Delissea rivularis</i> (Rock) E. Wimm.	rediscovery (Kaua`i)	Lorence et al., 1995	
471	<i>Delissea lanaiensis</i> (Rock) Lammers	taxonomic change elevating <i>D. sinuata</i> subsp. <i>lanaiensis</i> to species	Lammers, 1998	
470, 471	<i>Delissea niihauensis</i> H. St. John subsp. <i>niihauensis</i> ; and <i>D. n.</i> subsp. <i>kauaiensis</i> (Lammers) Lammers	taxonomic change for two of the three taxa included in <i>D. undulata</i> separating them to a separate species	Lammers, 1999	
473	Hawaiian <i>Lobelia</i>	needed taxonomic change: transfer endemic species of <i>Lobelia</i> to <i>Galeatella</i> and <i>Neowimmeria</i>	T. J. Givnish, pers. comm., 1998	recent molecular data show native Hawaiian Campanulaceae arose from a single ancestor, thus no Hawaiian species should be included in <i>Lobelia</i>
477	<i>Lobelia hillebrandii</i> Rock	new island (Moloka`i)	Lorence et al., 1995	
478	<i>Lobelia niihauensis</i> H. St. John	new synonym: <i>Neowimmeria niihauensis</i> var. <i>forbesii</i> (H. St. John) O. Deg. & I. Deg.	Herbst, unpubl.	

Page	Taxon	Type of Record	Citation	Comment
481	<i>Cyanea crispa</i> (Gaudich.) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
481, 482	<i>Cyanea koolauensis</i> Lammers, Givnish & Sytsma	taxonomic change for <i>Rollandia angustifolia</i>	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
482, 483	<i>Cyanea humboldtiana</i> (Gaudich.) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
482, 483	<i>Cyanea calycina</i> (Cham.) Lammers [<i>Cyanea lanceolata</i> (Gaudich.) Lammers, Givnish & Sytsma subsp. <i>calycina</i> (Cham.) Lammers, Givnish & Sytsma]	taxonomic changes; in 1993 transferred to <i>Cyanea</i> using same taxonomy as Lammers (1990), then in 1998 the subspecies were raised to specific rank	Lammers et al., 1993; Lammers, 1998	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
483	<i>Cyanea lanceolata</i> (Gaudich.) Lammers, Givnish & Sytsma [<i>Cyanea lanceolata</i> (Gaudich.) Lammers, Givnish & Sytsma subsp. <i>lanceolata</i>]	see <i>Cyanea calycina</i> entry	Lammers et al., 1993; Lammers, 1998	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
484	<i>Cyanea longiflora</i> (Wawra) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
484	<i>Cyanea sessilifolia</i> (O. Deg.) Lammers	resurrection from synonymy of <i>Rollandia longiflora</i> and taxonomic change	Lammers, 1998	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
484	<i>Cyanea parvifolia</i> (C. N. Forbes) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
484	<i>Cyanea purpurellifolia</i> (Rock) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
482, 484	<i>Cyanea st.-johnii</i> (Hosaka) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
491, 494	<i>Lonicera japonica</i> Thunb.	new island (East Maui)	Starr et al., 2002	
495, 496	<i>Sambucus mexicana</i> C. Presl ex DC.	range extension (West Maui)	Oppenheimer & Bartlett, 2002	
497	<i>Carica papaya</i> L.	new island (Maui)	Oppenheimer & Bartlett, 2000	
500	<i>Schiedea lychnoides</i> Hillebr.	taxonomic change for <i>Alsinidendron lychnoides</i> (Hillebr.) Sherff	Wagner, Weller, & Sakai, unpubl.	<i>Alsinidendron</i> no longer recognized as distinct from <i>Schiedea</i>

Page	Taxon	Type of Record	Citation	Comment
501	<i>Schiedea obovata</i> (Sherff) W. L. Wagner & Weller (ined.)	taxonomic change for <i>Alsinidendron obovatum</i>	Wagner, Weller, & Sakai, unpubl.	see comment for <i>Schiedea lychnoides</i>
501	<i>Schiedea trinervis</i> (H. Mann) Pax & K. Hoffm.	taxonomic change for <i>Alsinidendron trinerve</i>	Wagner, Weller, & Sakai, unpubl.	see comment for <i>Schiedea lychnoides</i>
501	<i>Schiedea viscosa</i> H. Mann	taxonomic change for <i>Alsinidendron vicosum</i> (H. Mann) Sherff; and rediscovery (Kaua`i)	Wagner, Weller, & Sakai, unpubl.; Lorence et al., 1995	see comment for <i>Schiedea lychnoides</i>
506	<i>Sagina japonica</i> (Sw.) Ohwi	newly naturalized (Midway)	Starr et al., 2003	reported as new island record
508	<i>Sagina procumbens</i> L.	new state (Lana`i and Maui)	Oppenheimer, 2003	
511	<i>Schiedea attenuata</i> W. L. Wagner, Weller, & Sakai	new species (Kaua`i)	Wagner et al., 1994	Kalalau Valley cliffs only; extremely rare and endangered
511	<i>Schiedea diffusa</i> A. Gray subsp. <i>macraei</i> (Sherff) W. L. Wagner & Weller (ined.)	resurrection of <i>S. diffusa</i> var. <i>macraei</i> from synonymy of <i>S. diffusa</i> and new combination and status	Wagner, Weller, & Sakai, unpubl.	this subspecies occurs on Hawai`i while subsp. <i>diffusa</i> occurs on Maui and Moloka`i
511	<i>Schiedea hawaiiensis</i> Hillebr.	resurrection from synonymy of <i>S. diffusa</i>	Herbst & Wagner, 1999	known only from one individual discovered in 1996 in P`akuloa Training Area, Hawai`i
514	<i>Schiedea helleri</i> Sherff	rediscovery (Kaua`i)	Lorence et al., 1995	
515	<i>Schiedea jacobii</i> W. L. Wagner, Weller, & A. C. Medeiros	new species (East Maui)	Wagner, Weller, Sakai & Medeiros, 1999	Hanawi only; few individuals; extremely rare and perhaps endangered
517	<i>Schiedea laui</i> W. L. Wagner & Weller (ined.)	new species	Wagner, Weller, & Sakai, unpubl.	Moloka`i (endangered)
517	<i>Schiedea sarmentosa</i> O. Deg. & Sherff	resurrection from synonymy of <i>Schiedea menziesii</i>	Wagner, Weller, & Sakai, unpubl.	endemic to Moloka`i where <i>S. menziesii</i> does not occur
517	<i>Schiedea perlmanii</i> W. L. Wagner & Weller (ined.)	new species (Kaua`i)	Wagner, Weller, & Sakai, unpubl.	occurs only on H~`upu; includes <i>S. nuttallii</i> var. <i>lihuensis</i>
517	<i>Schiedea kauaiensis</i> H. St. John	new species (Kaua`i)	St. John, 1988; Wagner, Weller, & Sakai, unpubl.	includes <i>S. nuttallii</i> var. <i>pauciflora</i> ; listed endangered (E*)
519	<i>Schiedea pentandra</i> W. L. Wagner & E. M. Harris	new species (O`ahu)	Wagner & Harris, 2000	replaces the never validly published name <i>S. pubescens</i> var. <i>purpurascens</i> at species level; rare

Page	Taxon	Type of Record	Citation	Comment
518, 520	<i>Schiedea spergulina</i> A. Gray	rediscovery (Kaua`i) and taxonomic change (no varieties recognized)	Lorence et al., 1995; Wagner, Weller, & Sakai, unpubl.	
520	<i>Schiedea stellaroides</i> H. Mann	rediscovery (Kaua`i)	Lorence et al., 1995	
523	<i>Silene lanceolata</i> A. Gray	new island (O`ahu)	Hawley & Pyle, 1995	
526, 527	<i>Stellaria media</i> (L.) Vill.	new island (Midway)	Starr et al., 2003	
528	<i>Vaccaria hispanica</i> (Mill.) Rauschert	escape or adventive (Moloka`i)	Hughes, 1995	one individual located; should not yet be considered part of naturalized flora
529	<i>Casuarina glauca</i> Sieber ex Spreng.	new islands (Midway, West Maui, Hawai`i); correction of authorship	Bruegmann, pers. comm., 1998; Starr et al., 2002; Oppenheimer & Bartlett, 2000	
529	<i>Casuarina</i> <i>cunninghamia</i> Miq. × <i>C. glauca</i> Sieber ex Spreng.	newly naturalized (Kaua`i) and new island (West Maui)	Lorence et al., 1995; Oppenheimer & Bartlett, 2002	Ka`aweki Ridge
533	<i>Ceratophyllum</i> <i>demersum</i> L.	new island (O`ahu) and range extension (West Maui)	Staples et al., 2002; Oppenheimer & Bartlett, 2002	
534	<i>Atriplex</i> <i>canescens</i> (Pursh) Nutt.	new state (Hawai`i)	Staples et al., 2003	
535	<i>Atriplex</i> <i>maximowicziana</i> Makino	new state (Hawai`i)	Wagner et al., 1997	
535	<i>Atriplex suberecta</i> Verd.	new island (Kaua`i)	Lorence et al., 1995	
532, 536	<i>Bassia hyssopifolia</i> (Pall.) Kuntze	new island (Moloka`i) and range extension (East Maui)	Staples et al., 2002; Starr et al., 2002	
537	<i>Chenopodium album</i> L.	new island (Hawai`i); range extension (West Maui)	Staples et al., 2002; Oppenheimer, 2003	
537	<i>Chenopodium</i> <i>ambrosioides</i> L.	new island (Kaua`i)	Staples et al., 2002	
537	<i>Chenopodium</i> <i>carinatum</i> R. Br.	new islands (Kaua`i, O`ahu)	Lorence & Flynn, 1997; Staples et al., 2003	

Page	TAXON	Type of Record	Citation	Comment
540	<i>Enchytraea tomentosa</i> R. Br. var. <i>tomentosa</i>	new state (East Maui)	Imada et al., 2000	
539, 540	<i>Salsola tragus</i> L.	misidentification as <i>S. kali</i> and new islands (East Maui, Kaho`olawe)	Wagner et al., 1997; Oppenheimer & Bartlett, 2002; Herbst & Wagner, 1999	
542	<i>Clusia rosea</i> Jacq.	new island (Maui)	Oppenheimer & Bartlett, 2000	
544, 545	<i>Hypericum mutilum</i> L. subsp. <i>mutilum</i>	name change (subsp. designation) and new island (Kaua`i)	Robson, 1990; Lorence et al., 1995; Wagner & Herbst, 1995	
547	<i>Conocarpus erectus</i> L.	new island (Kaua`i)	Lorence & Flynn, 1997	
545, 547	<i>Terminalia catappa</i> L.	new island (Moloka`i)	Oppenheimer, 2003	
548	<i>Terminalia myriocarpa</i> Van Heurck & Müll. Arg.	new island (O`ahu)	Herbarium Pacificum Staff, 1998	
549	<i>Argyreia nervosa</i> (Burm. f.) Bojer	new state (Kaua`i)	Lorence et al., 1995	
552	<i>Convolvulus erubescens</i> Sims	new state (O`ahu)	Herbst, 1998	
553	<i>Dichondra micrantha</i> Urb.	newly naturalized (O`ahu, Maui)	Oppenheimer & Bartlett, 2002	
555	<i>Ipomoea aquatica</i> Forssk.	new island (Midway, Hawai`i)	Bruegmann, pers. comm., 1998; Imada et al., 2000	
555	<i>Ipomoea batatas</i> (L.) Lam.	new islands (Midway, West Maui)	Bruegmann, pers. comm., 1998; Oppenheimer, 2003	
555	<i>Ipomoea cairica</i> (L.) Sweet	new island (West Maui)	Oppenheimer & Bartlett, 2000	
558, 557	<i>Ipomoea obscura</i> (L.) Ker Gawl.	new island (Moloka`i)	Oppenheimer, 2003	
558, 559	<i>Ipomoea pes-caprae</i> (L.) R. Br. subsp. <i>brasiliensis</i> (L.) Ooststr.	distribution correction (Kure)	Starr et al., 2003; Herbst & Wagner, 1992	
559, 561	<i>Ipomoea triloba</i> L.	new island (Hawai`i)	Oppenheimer & Bartlett, 2002	

Page	Taxon	Type of Record	Citation	Comment
563	<i>Merremia umbellata</i> (L.) Hallier f.	newly naturalized (O`ahu)	Imada et al., 2000	
567	<i>Crassula multicava</i> Lem.	newly naturalized (Kaua`i)	Lorence et al., 1995	
567	<i>Crassula ovata</i> (Mill.) Druce	newly naturalized (Kaua`i)	Lorence et al., 1995	
567	<i>Bryophyllum</i>	proposed generic segregate	Staples et al., 2002; Mort et al., 2001	The species in Hawaiian flora are here maintained in <i>Kalanchoe</i> because in a recent molecular analysis of the family the 4 <i>Bryophyllum</i> taxa are nested within a clade of 4 <i>Kalanchoe</i> taxa and also do not even form a monophyletic clade
568	<i>Kalanchoe daigremontiana</i> Raym.-Hamet & H. Perrier	newly naturalized (Kaua`i)	Lorence et al., 1995	
568	<i>Kalanchoe fedtschenkoi</i> Raym.-Hamet & H. Perrier	newly naturalized (Kaua`i)	Lorence et al., 1995	
569	<i>Coccinia grandis</i> (L.) Voigt	new island (East Maui) and range extension (West Maui)	Starr et al., 1999; Oppenheimer & Bartlett, 2000	
572	<i>Momordica charantia</i> L.	new island (Midway)	Starr & Martz, 2000	
576, 577	<i>Sicyos hispidus</i> Hillebr.	range extension (West Maui)	Oppenheimer & Bartlett, 2002	
577	<i>Sicyos lasiocephalus</i> Skottsb.	new island (Moloka`i) and range extension (West Maui)	Herbst, 1998; Oppenheimer & Bartlett, 2000	
580, 581	<i>Sicyos lanceoloidea</i> (H. St. John) W. L. Wagner & D. R. Herbst	new species (O`ahu, Kaua`i)	Wagner & Shannon, 1999	provides a name for the species treated as "sp. A"; rare
580, 582	<i>Cuscuta campestris</i> Yunck.	new island (West Maui)	Oppenheimer, 2003	
582	<i>Cuscuta sandwichiana</i> Choisy	new island (Kaua`i)	Herbarium Pacificum Staff, 1997	
583	<i>Dillenia suffruticosa</i> (Griff.) Martelli	newly naturalized (O`ahu)	Sato, 1998	no Dilleniaceae species previously recorded as naturalized

Page	Taxon	Type of Record	Citation	Comment
583	<i>Scabiosa palaestrina</i> L.	newly naturalized (Hawai`i)	Herbst & Wagner, 1996	the name is here applied in a broad sense; no Dipsacaceae species previously recorded as naturalized
590	<i>Leptecophylla tameiameiae</i> (Cham. & Schldl.) C. M. Weiller	taxonomic change for <i>Styphelia tameiameiae</i>	Weiller, 1999	
597	<i>Aleurites montana</i> (Lour.) E. H. Wilson	newly naturalized (Hawai`i)	Herbst, 1998	
598	<i>Aleurites moluccana</i> (L.) Willd. var. <i>katoi</i> O. Deg., I. Deg. & B. C. Stone	correction of authors of name	Herbst & Wagner, 1999	a synonym of <i>A. moluccana</i>
600	<i>Antidesma platyphyllum</i> H. Mann var. <i>platyphyllum</i>	new island (Kaua`i)	Herbarium Pacificum Staff, 1996	
602	<i>Breynia disticha</i> J. R. Forst. & G. Forst.	newly naturalized (East Maui)	Lorence et al., 1995	
604	<i>Chamaesyce serpens</i> (Kunth) Small	misidentification as Kaua`i plants referred to <i>C. albomarginata</i> ; new island (West Maui)	Wagner et al., 1997; Oppenheimer, 2003	those on O`ahu are <i>C. albomarginata</i>
607	<i>Chamaesyce eleanoriae</i> Lorence & W. L. Wagner	new species (Kaua`i)	Lorence & Wagner, 1996	slopes and cliffs N Kaua`i; rare
608,	<i>Chamaesyce hypericifolia</i> (L.) Millsp.	new islands (Moloka`i, Lana`i)	Oppenheimer, 2003	
609	<i>Chamaesyce hyssopifolia</i> (L.) Small	new islands (Midway, L~na`i, Moloka`i)	Bruegmann, 1999; Herbarium Pacificum Staff, 1999; Oppenheimer Hughes, 1995	
613	<i>Chamaesyce prostrata</i> (Aiton) Small	new island (Moloka`i)		
615	<i>Chamaesyce thymifolia</i> (L.) Millsp.	new islands (Kaua`i, East Maui, Moloka`i, Lana`i) and range extension (West Maui)	Lorence et al., 1995; Oppenheimer & Bartlett, 2000; Oppenheimer, 2003	
619	<i>Euphorbia peplus</i> L.	new island (Kaua`i); distribution correction (Kure)	Lorence et al., 1995; Starr et al., 2003; Herbst & Wagner, 1992	

Page	TAXON	Type of Record	Citation	Comment
620	<i>Euphorbia tirucalli</i> L.	newly naturalized (Kaua`i)	Lorence et al., 1995	
624	<i>Macaranga tanarius</i> (L.) Müll. Arg.	new island (West Maui)	Oppenheimer et al., 1999	
627	<i>Phyllanthus debilis</i> Klein ex Willd.	new islands (Moloka`i and Lana`i)	Oppenheimer, 2003	
627	<i>Phyllanthus distichus</i> Hook. & Arn.	new synonyms: <i>Phyllanthus distichus</i> var. <i>degeneri</i> (Sherff) Govaerts & Radcl.-Sm.; <i>P. d.</i> var. <i>ellipticus</i> (Müll. Arg.) Govaerts & Radcl.-Sm.	Govaerts & Radcliffe- Smith, 1996	combinations published in uncritical review of Hawaiian taxonomy of this species; not recognized by us
626, 628	<i>Phyllanthus tenellus</i> Roxb.	new islands (Lana`i, Maui; Hawai`i)	Oppenheimer & Bartlett, 2002; Oppenheimer et al., 1999; Oppenheimer & Bartlett, 2000;	
630	<i>Calopogonium</i> <i>galactiooides</i> Benth. ex Hemsl.	newly naturalized (East Maui)	Starr et al., 2003	
640	<i>Acacia melanoxylon</i> R. Br. ex Aiton	new island (Kaua`i); range extension (West Maui)	Lorence et al., 1995; Meidell et al., 1998	
641	<i>Acacia aneura</i> F. Muell. ex Benth.	newly naturalized (L~na`i)	Wagner & Herbst, 1995	
639, 641	<i>Acacia farnesiana</i> (L.) Willd.	new island (Lana`i)	Oppenheimer & Bartlett, 2002	
641	<i>Acacia koaia</i> Hillebr.	resurrected from synonymy of <i>A. koa</i>		a paper treating this taxon as a subspecies was anticipated but never published; thus we here return to the available name for <i>A. koaia</i> at the species level; known from Kaua`i, Moloka`i, L~na`i, Maui, and Hawai`i, and perhaps O`ahu
642	<i>Acacia mearnsii</i> De Wild.	new island (Moloka`i)	Hughes, 1995	
643	<i>Adenanthera</i> <i>pavonina</i> L.	newly naturalized (Kaua`i)	Wagner & Herbst, 1995	
643	<i>Aeschynomene</i> <i>paniculata</i> Willd. ex Vogel	new state (Moloka`i)	Hughes, 1995	
644	<i>Albizia chinensis</i> (Osbeck) Merr.	new island (Hawai`i)	Herbst, 1998	

Page	TAXON	Type of Record	Citation	Comment
644, 645	<i>Albizia lebbeck</i> (L.) Benth.	new island (West Maui)	Oppenheimer & Bartlett, 2002	
644	<i>Albizia saponaria</i> (Lour.) Blume ex Miq.	newly naturalized (Kaua`i)	Lorence et al., 1995	
646	<i>Bauhinia monandra</i> Kurz	newly naturalized (Hawai`i)	Lorence & Flynn, 1999	
647	<i>Caesalpinia bonduc</i> (L.) Roxb.	new island (Laysan)	Staples et al., 2003	
648	<i>Caesalpinia major</i> (Medik.) Dandy & Exell	new island (West Maui)	Herbst & Wagner, 1996	
654	<i>Canavalia sericea</i> A. Gray	new islands (Kaua`i, Hawai`i) and range extension (West Maui)	Wagner & Herbst, 1995; Oppenheimer & Bartlett, 2002; Oppenheimer, 2003	
655	<i>Centrosema molle</i> Mart. ex Benth.	taxonomic change for <i>C. pubescens</i> Benth; and newly naturalized (Kaua`i); new island (East Maui)	Fantz, 1996; Flynn & Lorence, 1998; Starr et al., 2003	
655	<i>Chamaecrista nictitans</i> (L.) Moench var. <i>glaberrima</i> (DC. ex Collad.) H. S. Irwin & Barneby	new island (Moloka`i)	Hughes, 1995	
656	<i>Clitoria heterophylla</i> Lam.	new state (Hawai`i)	Staples et al., 2002	
656	<i>Clitoria ternatea</i> L.	new island (West Maui)	Oppenheimer & Bartlett, 2000	
657, 659	<i>Crotalaria assamica</i> Benth.	new island (Maui)	Starr et al., 2002	
658	<i>Crotalaria brevidens</i> Benth.	range extension (West Maui)	Oppenheimer, 2003	
659, 660	<i>Crotalaria incana</i> L.	new island (Moloka`i)	Hughes, 1995	
660	<i>Crotalaria juncea</i> L.	newly naturalized (O`ahu, Hawai`i); new island (East Maui)	Wagner et al., 1997; Staples et al., 2003	
662	<i>Crotalaria pumila</i> Ortega	range extension (West Maui)	Oppenheimer & Bartlett, 2000	
663	<i>Crotalaria verrucosa</i> L.	new state (O`ahu)	Wagner & Herbst, 1995	
663	<i>Cytisus palmensis</i> (H. Christ) Hutch.	new island (Hawai`i)	Staples et al., 2002	

Page	Taxon	Type of Record	Citation	Comment
664	<i>Dalea emarginata</i> (Torr. & A. Gray) Shinners	new state (O`ahu)	Herbarium Pacificum Staff, 1996	
665, 673	<i>Desmanthus pernambucanus</i> (L.) Thell.	taxonomic change for <i>D. virgatus</i> ; new island (Lana`i)	Wagner & Herbst, 1995; Oppenheimer, 2003	
667	<i>Desmodium heterophyllum</i> (Willd.) DC.	new state (Moloka`i, East Maui) and new islands (Hawai`i, West Maui)	Wagner & Herbst, 1995; Herbst & Wagner, 1999; Oppenheimer, 2003	
667, 668	<i>Desmodium incanum</i> DC.	new islands (Moloka`i, Lana`i)	Oppenheimer, 2003	
667	<i>Desmodium intortum</i> (Mill.) Urb.	new island (O`ahu, Kaua`i) and range extension (O`ahu)	Herbarium Pacificum Staff, 1998; Imada et al., 2000; Staples et al., 2003	
669	<i>Desmodium tortuosum</i> (Sw.) DC.	new island (Moloka`i)	Hughes, 1995	
672	<i>Flemingia strobilifera</i> (L.) Aiton & W. T. Aiton	new state (East Maui)	Lorence et al., 1995	
652, 674	<i>Neonotonia wightii</i> (Wight & Arn.) Lackey	new islands (Kaua`i, Moloka`i); taxonomic change for <i>Glycine wightii</i>	Hughes, 1995; Herbarium Pacificum Staff, 1996	
675	<i>Indigofera hendecaphylla</i> Jacq.	taxonomic change for <i>Indigofera spicata</i> and new islands (Hawai`i, Moloka`i)	Puy et al., 1993; Starr et al., 2002; Oppenheimer, 2003	<i>Indigofera spicata</i> is a species from Africa, Yemen, Madagascar, and the Mascarenes, while <i>I. hendecaphylla</i> is widespread in the Old World tropics
676	<i>Indigofera suffruticosa</i> Mill.	new island (Moloka`i)	Hughes, 1995	
676	<i>Kanaloa kahoolawensis</i> Lorence & K. R. Wood	new endemic genus and species	Lorence & Wood, 1994	known from 2 plants on extreme site on Kaho`olawe, but once more widespread on at least O`ahu and Maui based on fossil pollen record
678	<i>Lathyrus latifolius</i> L.	range extension (East Maui: Kula)	Starr et al., 2002	
679	<i>Kummerowia striata</i> (Thunb.) Schindl.	taxonomic change for <i>Lespedeza striata</i> (Thunb.) Hook. & Arn.; new island (West Maui)	Staples et al., 2002; Oppenheimer, 2003	

Page	TAXON	Type of Record	Citation	Comment
681	<i>Lotus uliginosus</i> Schkuhr	new island (Kaua`i)	Lorence et al., 1995	
682	<i>Lupinus arboreus</i> Sims	new state (Hawai`i)	Staples et al., 2002	
682	<i>Macroptilium atropurpureum</i> (DC.) Urb.	new island (Moloka`i)	Oppenheimer, 2003	
677, 683	<i>Macroptilium lathyroides</i> (L.) Urb.	new island (Moloka`i)	Herbarium Pacificum Staff, 1996; Shannon & Wagner, 1996	
683	<i>Macrotyloma axillare</i> (E. Mey.) Verdc. var. <i>glabrum</i> (E. Mey.) Verdc.	new state (O`ahu)	Staples et al., 2003	
684	<i>Medicago lupulina</i> L.	new island (Kaua`i)	Lorence et al., 1995	
684	<i>Medicago minima</i> (L.) Bartal.	new island (Kaua`i)	Wagner & Herbst, 1995	
684	<i>Medicago polymorpha</i> L.	new islands (Midway, Moloka`i)	Shannon & Wagner, 1996; Bruegmann, 1999	
684	<i>Medicago rugosa</i> Desr.	new islands (Kaua`i, West Maui)	Lorence & Flynn, 1997; Oppeneheimer & Bartlett, 2002	
686	<i>Medicago sativa</i> L.	new islands (Kaua`i, East Maui, Moloka`i) and range extension (West Maui)	Wagner & Herbst, 1995; Wagner et al., 1997; Oppenheimer et al., 1999; Oppenheimer, 2003	
686	<i>Melilotus alba</i> Medik.	new islands (Moloka`i, East Maui)	Wagner & Herbst, 1995; Shannon & Wagner, 1996	
685, 688	<i>Mimosa pudica</i> L. subsp. <i>unijuga</i> (Duchass. & Walp.) Griseb.	new island (Moloka`i)	Oppenheimer, 2003	
688	<i>Mucuna gigantea</i> (Willd.) DC. subsp. <i>gigantea</i>	taxonomic change (subsp. designation)	Wilmot-Dear, 1990; Wagner & Herbst, 1995	

Page	Taxon	Type of Record	Citation	Comment
689	<i>Mucuna sloanei</i> Fawc. & Rendle var. <i>sloanei</i> ; and <i>M. s.</i> var. <i>persericea</i> Wilmot-Dear	misidentification as <i>M. urens</i>	Wilmot-Dear, 1990; Wagner & Herbst, 1995	two varieties are recognized: indigenous var. <i>sloanei</i> on Kaua`i, O`ahu, Maui, and Hawai`i; and endemic var. <i>persericea</i> on East Maui from Makawao to Wailua Iki
690	<i>Paraserianthes lophantha</i> (Willd.) I. Nielsen subsp. <i>montana</i> (Jungh.) I. Nielsen	newly naturalized (East Maui)	Oppenheimer and Bartlett, 2002	
690	<i>Falcataria moluccana</i> (Miq.) Barneby & Grimes	taxonomic change for <i>Paraserianthes falcataria</i> ; new island (West Maui); range extension (East Maui)	Herbarium Pacificum Staff, 1998; Oppenheimer & Bartlett, 2002; Starr et al., 2003	segregate genus from <i>Albizia</i> ; <i>A. falcataria</i> a synonym
691	<i>Pithecellobium dulce</i> (Roxb.) Benth.	new island (Lana`i)	Oppenheimer & Bartlett, 2002	
692	<i>Prosopis juliflora</i> (Sw.) DC.	new island (Kaua`i)	Imada et al., 2000	
692	<i>Prosopis pallida</i> (Humb. & Bonpl. ex Willd.) Kunth	new island (Moloka`i)	Hughes, 1995	
693	<i>Pueraria montana</i> (Lour.) Merr. var. <i>lobata</i> (Willd.) Maesen & S. M. Almeida	taxonomic name change for <i>P. lobata</i> var. <i>lobata</i>	Wiersema et al., 1990	
693	<i>Pueraria montana</i> (Lour.) Merr. var. <i>chinensis</i> (Owhi) Maesen & S. M. Almeida	taxonomic name change for <i>P. lobata</i> var. <i>thomsonii</i>	Wiersema et al., 1990; Staples et al., 2002	
696	<i>Samanea saman</i> (Jacq.) Merr.	new islands (Kaua`i, West Maui)	Lorence et al., 1995; Oppenheimer & Bartlett, 2002	
697	<i>Senna multijuga</i> (L. C. Rich.) H. S. Irwin & Barneby var. <i>multijuga</i>	newly naturalized (Kaua`i)	Herbarium Pacificum Staff, 1998	
698	<i>Senna alata</i> (L.) Roxb.	new island (West Maui); range extension (East Maui)	Oppenheimer & Bartlett, 2000; Starr et al., 2003	

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699	<i>Senna gaudichaudii</i> (Hook. & Arn.) H. S. Irwin & Barneby	new island (Kaho`olawe)	Wagner et al., 1997	
700	<i>Senna obtusifolia</i> (L.) H. S. Irwin & Barneby	new island (O`ahu)	Staples et al., 2003	
700	<i>Senna occidentalis</i> (L.) Link	range extension (West Maui); new island (Moloka`i)	Oppenheimer et al., 1999; Oppenheimer, 2003	
701	<i>Senna septemtrionalis</i> (Viv.) H. S. Irwin & Barneby	new islands (L~na`i, Hawai`i)	Wagner & Herbst, 1995; Herbarium Pacificum Staff, 1996	
702	<i>Senna surattensis</i> (Burm. f.) H. S. Irwin & Barneby	new island (Moloka`i)	Staples et al., 2002	
710	<i>Tephrosia candida</i> Roxb. ex DC.	newly naturalized (West Maui)	Oppenheimer & Bartlett, 2000	
712	<i>Trifolium dubium</i> Sibth.	new island (Kaua`i)	Lorenz et al., 1995	
715	<i>Ulex europaeus</i> L.	new island (Moloka`i)	Conant, 1996	
720	<i>Vigna luteola</i> (Jacq.) Benth.	new state (O`ahu)	Staples et al., 2003	
721	<i>Vigna speciosa</i> (Kunth) Verdc.	newly naturalized (O`ahu)	Herbst, 1998	
721	<i>Quercus suber</i> L.	newly naturalized (Hawai`i)	Herbst & Wagner, 1996	No fagaceae species previously reported as naturalized
722	<i>Dovyalis hebecarpa</i> (G. Gardn.) Warb.	newly naturalized (Hawai`i)	Herbst, 1998	
722	<i>Xylosma hawaiiense</i> Seem.	new synonym: <i>Drypetes</i> <i>sherffii</i> Govaerts & Radcliffe-Smith, 1996	Govaerts & Radcliffe- Smith, 1996	new name published for a later homonym in an uncritical review of names in Euphorbiaceae; the holotype is this species of Flacourtiaceae
725	<i>Centaurium</i> <i>sebaeoides</i> (Griseb.) Druce	new island (L~na`i)	Wagner & Herbst, 1995	
727	<i>Erodium</i> sp.	state (Moloka`i)	Hughes, 1995	an as yet unidentified species
732	<i>Geranium</i> <i>hillebrandii</i> Aedo & Muñoz Garm.	nomenclatural name change for <i>G. humile</i> Hillebr. (1888) non Cav. (1782)	Aedo & Muñoz Garmendia, 1997	

Page	Taxon	Type of Record	Citation	Comment
751	<i>Cyrtandra heinrichii</i> H. St. John	new status for taxon treated as <i>C. confertiflora</i> var. <i>obovata</i>	St. John, 1987b; Wagner, unpubl.	previously known only from the type, it is now known from “Blue Hole,” N fork of Wailua River, N-molokama Mt., upper Hanakoa Stream, upper Hanak-pi`ai Valley, Kekoki
752	<i>Cyrtandra cyaneoides</i> Rock	rediscovery (Kaua`i)	Lorence et al., 1995	
753	<i>Cyrtandra ferripilosa</i> H. St. John	new species (East Maui)	St. John, 1987b; Wagner, unpubl.	closely related and higher elevation replacement for, <i>C. grayi</i> in Kāahulu Valley, East Maui; known from a few specimens; rare
755	<i>Cyrtandra gracilis</i> Hillebr. ex C. B. Clarke	rediscovery (O`ahu)	Price and Wagner, unpubl.	extant in upper Pai Gulch, Ko`olau Mountains Perlman et al. 17736 (BISH, MO, NY, PYBG, US)
762	<i>Cyrtandra</i> <i>wainihaensis</i> H. Lév.	resurrected from synonymy of <i>C. kauaiensis</i>	Wagner, unpubl.	grows in NE Kaua`i at lower elevations than the related <i>C. kauaiensis</i> as indicated by T. Flynn (pers. comm., long ago)
761, 763, 766	<i>Cyrtandra kealiae</i> Wawra subsp. <i>kealiae</i> ; and subsp. <i>urceolata</i> W. L. Wagner & Lorence	taxonomic change, new status for <i>C. kealiae</i> (= subsp. <i>urceolata</i>) and <i>C. limahuliensis</i> (= subsp. <i>kealiae</i>)	Wagner & Lorence, 2000	as Flynn (pers. comm., long ago) indicated the type of <i>C. kealiae</i> was collected from within the range of <i>C. limahuliensis</i> and study shows it is this taxon, leaving the taxon known as <i>C. kealiae</i> unnamed
770	<i>Cyrtandra</i> <i>nanawalensis</i> H. St. John	new species (Hawai`i)	St. John, 1987b; Wagner, unpubl.	closely related to <i>C. lysiosepala</i> but grows in Puna Dist. at lower elevations (20--600 m); rare
771	<i>Cyrtandra paliku</i> W. L. Wagner & K. R. Wood	new species (Kaua`i)	Wagner, Wood, & Lorence, 2001	known only from Makaleha Mts. and related to <i>C. oenobarba</i> ; rare

Page	TAXON	Type of Record	Citation	Comment
786	<i>Scaevola hobdyi</i> W. L. Wagner	new species (West Maui)	Wagner, 1996	one collection on `Eke Trail and apparently extinct; separate colonization presumably directly from Australia
787, 788	<i>Scaevola taccada</i> (Gaertn.) Roxb.	nomenclatural name change, conservation proposal awaiting decision	Shannon et al., 1997	new rule in ICBN, 33.2 & Ex. 3 makes proposal unnecessary
789	<i>Brexia madagascariensis</i> Thouars ex Ker Gawl.	newly naturalized (East Maui)	Starr et al., 2003	
791	<i>Gonocarpus chinensis</i> (Lour.) Orchard subsp. <i>verrucosus</i> (Maiden & E. Betché) Orchard	new island (Kaua`i)	Lorence et al., 1995	
795	<i>Philadelphus karwinskyanus</i> Koehne	newly naturalized (Kaua`i) and new island (East Maui)	Lorence et al., 1995; Starr et al., 2002	
802	<i>Hyptis capitata</i> Jacq.	new state (O`ahu)	Wagner & Herbst, 1995	
802	<i>Hyptis suaveolens</i> (L.) Poit.	new island (O`ahu)	Wagner & Herbst, 1995	
800, 803	<i>Leonotis nepetifolia</i> (L.) R. Br.	new island (Moloka`i)	Oppenheimer, 2003	
803	<i>Leonurus japonicus</i> Houtt.	misidentification as <i>Leonurus sibiricus</i>	Harley & Paton, 2001; Staples et al., 2003	
807	<i>Mentha suaveolens</i> Ehrh.	reidentification	Staples et al., 2003	R. Harley (K) determined vouchers were misidentified as <i>M. xvillosa</i> .
808	<i>Ocimum gratissimum</i> L.	new island (Kaua`i)	Lorence et al., 1995	
814	<i>Phyllostegia brevidens</i> A. Gray	rediscovery and new island (East Maui)	Wagner, 1999a	Kipahulu Valley only on Maui; also rediscovered on Hawai`i
816	<i>Phyllostegia glabra</i> (Gaudich.) Benth. var. <i>glabra</i>	range extension (West Maui)	Oppenheimer et al., 1999	
816	<i>Phyllostegia helleri</i> Sherff	misidentification	Wagner, 1999a	many collection of <i>P. electra</i> lacking glandular hairs were misidentified during the 1990's as <i>P. helleri</i> ; it has not been collected since 1916 and is presumed extinct

Page	Taxon	Type of Record	Citation	Comment
816	<i>Phyllostegia kaalaensis</i> H. St. John	new species (O`ahu)	St. John, 1987c; Wagner, 1999a	briefly characterized in note under <i>P. glabra</i> ; from Wai`anae Mts.; listed endangered (E*)
816	<i>Phyllostegia kahiliensis</i> H. St. John	new species (Kaua`i)	St. John, 1987c; Wagner, 1999a	briefly characterized in note under <i>P. helleri</i> ; from Wahiawa Mts.; rare
819	<i>Phyllostegia knudsenii</i> Hillebr.	rediscovery (Kaua`i)	Lorence et al., 1995; Wagner, 1999a	
821	<i>Phyllostegia micrantha</i> H. St. John	new species (O`ahu)	St. John, 1987c; Wagner, 1999a	one collection in Wai`anae Mts.; extinct
821	<i>Phyllostegia haliakalae</i> Wawra	resurrection from synonymy of <i>P. mollis</i> ; <i>P. imminuta</i> (Sherff) H. St. John new synonym	Wagner, 1999a	known from Moloka`i, East Maui, and Lan~i; examination of type showed it to be same as <i>P. imminuta</i> ; presumed extinct, not collected in 70 years
821	<i>Phyllostegia parviflora</i> (Gaudich.) Benth. var. <i>lydgatei</i> (Sherff) W. L. Wagner	resurrection of <i>P. mollis</i> var. <i>lydgatei</i> from synonymy of <i>P. parviflora</i> and new combination	Wagner, 1999b	Wa`ainae Mts. variety discussed in note on p. 822
822	<i>Phyllostegia pilosa</i> H. St. John	new species (Moloka`i, East Maui)	Wagner, 1999a	This species was included in <i>P. mollis</i> and recently, including Wagner and Herbst, 1999, incorrectly treated as <i>P. haliakalae</i>
823	<i>Phyllostegia renovans</i> W. L. Wagner	new species (Kaua`i)	Wagner, 1999b	rare
826	<i>Phyllostegia wawrana</i> Sherff	rediscovery (Kaua`i)	Lorence et al., 1995; Wagner, 1999a	
828	<i>Plectranthus prostratus</i> Gürke	newly naturalized (O`ahu)	Staples et al., 2002	
828	<i>Solenostemon scutellarioides</i> (L.) Codd	taxonomic change for <i>Plectranthus scutellarioides</i>	literature cited on p. 827	despite close connection of <i>Plectranthus</i> and <i>Solenostemon</i> , treatment as distinct genera is gaining wider acceptance
829	<i>Salvia coccinea</i> Etl.	new island (Kaua`i)	Lorence et al., 1995	

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838	<i>Stenogyne kaalae</i> Wawra subsp. <i>sherffii</i> (O. Deg.) W. L. Wagner & Weller	resurrection from synonymy of <i>S. kaalae</i> and new combination made	Wagner & Weller, 1999	
841	<i>Stenogyne kealiae</i> Wawra	resurrection from synonymy of <i>S.</i> <i>purpurea</i>	Wagner & Weller, 1991	
844, 845	<i>Cassytha filiformis</i> L.	new island (Kure)	Starr et al., 2003	
845,	<i>Cinnamomum</i>	new islands (Maui,	Wagner &	
846	<i>burmanni</i> (Nees) Blume	Hawai`i), and corrected spelling under Art 60.11 and 60C.2 of the ICBN	Herbst, 1995; Meidell et al., 1997; Wagner et al., 1997; D. H. Nicolson, pers. comm., 1998	
846	<i>Cinnamomum verum</i> J. Presl	new island (Hawai`i)	Imada et al., 2000	
861	<i>Labordia triflora</i> Hillebr.	resurrection from synonymy of <i>L. tinifolia</i> var. <i>lanaiensis</i>	Motley, 1995	SE Moloka`i only extant population; <i>L.</i> <i>tinifolia</i> var. <i>lanaiensis</i> does not occur on Moloka`i overlooked specimen of Faurie 452, possibly mislabeled as Moloka`i; field investigation needed
862	<i>Labordia waialealeae</i> Wawra	new island ? (Moloka`i)	Staples et al., 2003	
865	<i>Ammannia coccinea</i> Rottb.	misidentification as <i>A.</i> <i>auriculata</i>	S. Graham, pers. comm., 1996; see also Graham, 1985	<i>A. auriculata</i> does not occur in Hawaiian Is.
865, 867	<i>Cuphea</i> <i>carthagogenesis</i> (Jacq.) J. Macbr.	new island (Lana`i)	Oppenheimer & Bartlett, 2002	
868	<i>Lythrum maritimum</i> Kunth	distribution status change to naturalized	S. Graham, pers. comm., 1996	
870	<i>Abelmoschus</i> <i>moschatus</i> Medik.	possible taxonomic change	Pfeil et al., 2002	Recent molecular studies suggest that <i>Abelmoschus</i> is nested within <i>Hibiscus</i> and may need to be recognized as a part of <i>Hibiscus</i>
873	<i>Abutilon menziesii</i> Seem.	new island (O`ahu)	Herbarium Pacificum Staff, 1999	uncertain whether growing naturally or intentionally planted
876	<i>Gossypium hirsutum</i> L.	new island (East Maui)	Starr et al., 2002	
875	<i>Bastardia viscosa</i> (L.) Kunth	new state (Hawai`i)	Staples et al., 2002	

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881	<i>Hibiscadelphus woodii</i> Lorence & W. L. Wagner	new species (Kaua`i)	Lorence & Wagner, 1995	Kalalau Valley, 4 individuals, none reproducing; listed endangered (E*)
883	<i>Hibiscus brackenridgei</i> A. Gray subsp. <i>molokaiana</i> (Rock ex Caum) F. D. Wilson	resurrection from synonymy of <i>H. brackenridgei</i> subsp. <i>brackenridgei</i> and new combination made	Wilson, 1993	
884	<i>Hibiscus ovalifolius</i> (Forssk.) Vahl	taxonomic change for <i>H. calyphyllus</i> Cav.	Staples et al., 2003	
886, 888	<i>Hibiscus tiliaceus</i> L.	new synonym as <i>Talipariti tiliaceum</i> (L.) Fryxell	Pfeil et al., 2002	Fryxell, 2001 segregates <i>Talipariti tiliaceum</i> and 21 other species as distinct from <i>Hibiscus</i> but recent molecular phylogenetic results by Pfeil et al. suggest <i>Talipariti</i> is nested within <i>Hibiscus</i> and should be maintained there unless <i>Hibiscus</i> is split into multiple genera
893	<i>Malva neglecta</i> Wallr.	new state (East Maui)	Herbarium Pacificum staff, 1998	
895	<i>Malvaviscus penduliflorus</i> DC.	possible taxonomic change	Pfeil et al., 2002	Recent molecular studies suggest that <i>Malvaviscus</i> is nested within <i>Hibiscus</i> and may need to be recognized as a part of <i>Hibiscus</i>
897	<i>Sida ciliaris</i> L.	new state (O`ahu) and new islands (West Maui, Kaua`i)	Wagner et al., 1997; Oppenheimer & Bartlett, 2000; Staples et al., 2003	
897	<i>Sida cordifolia</i> L.	new island (Kaua`i)	Lorence et al., 1995	
898	<i>Sida rhombifolia</i> L.	new island (Midway)	Starr & Martz, 2000	
899	<i>Sida spinosa</i> L.	new islands (Kaua`i, Lana`i, West Maui)	Lorence & Flynn, 1997; Staples et al., 2002; Oppenheimer et al., 1999	
899	<i>Sida urens</i> L.	new island (East Maui)	Starr et al., 2002	

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901	<i>Sidastrum micranthum</i> (St. Hil.) Fryxell	new island (East Maui)	Starr et al., 2003	
903	<i>Miconia calvescens</i> DC.	newly naturalized (Kaua`i, O`ahu, East Maui, Hawai`i); intraisland range extention (O`ahu)	Conant, 1996; Medeiros et al., 1997; Conant, 1998	extremely serious invasive species; populations eradicated as possible
905	<i>Arthrostemma</i> Pav. ex D. Don	spelling correction	Imada et al., 2000	
907	<i>Dissotis rotundifolia</i> (Sm.) Triana	new island (Kaua`i)	Herbarium Pacificum Staff, 1996	
908, 910	<i>Melastoma septemnervium</i> Lour.	new island (O`ahu); range extension (O`ahu); taxonomic change for <i>Melastoma candidum</i> D. Don	Conant, 1996 & 1998; Staples et al., 2003	intraisland range extension
912	<i>Oxyspora paniculata</i> (D. Don) DC.	range extension (O`ahu)	Nagata, 1995	
912	<i>Pterolepis glomerata</i> (Rottb.) Miq.	new island (Moloka`i)	Hughes, 1995	
915	<i>Tibouchina herbacea</i> (DC.) Cogn.	new island (L~na`i)	Herbarium Pacificum Staff, 1999	
918	<i>Melia azedarach</i> L.	new island (Moloka`i)	Hughes, 1995	
918	<i>Swietenia macrophylla</i> King	newly naturalized (O`ahu, West Maui)	Meidell et al., 1998	
920	<i>Toona ciliata</i> Roem.	taxonomic change: <i>T. c.</i> var. <i>australis</i> not recognized	Mabberley et al., 1995	
919, 921	<i>Cocculus orbiculatus</i> (L.) DC.	taxonomic change for <i>C. trilobus</i>	Wagner & Herbst, 1995	
924	<i>Fatoua villosa</i> (Thunb.) Nakai	new state (O`ahu)	Wagner & Herbst, 1995	
924	<i>Ficus macrophylla</i> Desf. ex. Pers.	newly naturalized (West Maui)	Oppenheimer & Bartlett, 2000	
924	<i>Ficus rubiginosa</i> Desf.	newly naturalized (West Maui)	Oppenheimer, 2003	
924	<i>Ficus microcarpa</i> L. f.	new islands (Midway, Kaua`i, Moloka`i)	Starr et al., 2002; Hughes, 1995; Lorence et al., 1995	
926	<i>Ficus nota</i> (Blanco) Merr.	newly naturalized (O`ahu, and Hawai`i)	Herbarium Pacificum Staff, 1998	

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926	<i>Ficus platypoda</i> (A. Cunn. ex Miq.) A. Cunn. ex Miq.	newly naturalized (O`ahu, Maui); reidentification; new island (Hawai`i)	Nagata, 1995; Oppenheimer & Bartlett, 2000; Oppenheimer, 2003	Berg (in press) suggests <i>F. rubiginosa</i> , <i>F. platypoda</i> , and <i>F. obliqua</i> are best treated as a complex of which the Hawaiian material fits best as <i>F. platypoda</i>
931	<i>Morella cerifera</i> (L.) Small	taxonomic change for <i>Myrica cerifera</i> ; newly naturalized (West Maui)	Wilbur, 1994; Meidell et al., 1997; Oppenheimer, 2003	
931	<i>Morella faya</i> (Aiton) Wilbur	taxonomic change for <i>Myrica faya</i> ; range extension (West Maui)	Wilbur, 1994; Oppenheimer et al., 1999	
932	<i>Ardisia elliptica</i> Thunb.	range extension (West Maui)	Meidell et al., 1998	
940	<i>Myrsine fosbergii</i> Hosaka	new island (Kaua`i)	Lorence et al., 1995	
942	<i>Myrsine lessertiana</i> A. DC.	taxonomic change for <i>M. emarginata</i>	Wagner, unpub.	
943	<i>Myrsine mezii</i> Hosaka	rediscovery (Kaua`i)	Lorence et al., 1995	
947	<i>Pimenta dioica</i> (L.) Merr.	newly naturalized (Kaua`i); new island (East Maui)	Lorence et al., 1995; Starr et al., 2003	
948	<i>Syncarpia glomulifera</i> (Sm.) Nied.	newly naturalized (West Maui)	Oppenheimer, 2003	
951	<i>Eucalyptus botryoides</i> Sm.	new island (West Maui)	Oppenheimer, 2003	
951	<i>Corymbia calophylla</i> (Lindl.) K. D. Hill & L. A. S. Johnson	taxonomic change for <i>Eucalyptus calophylla</i>	Hill & Johnson, 1995	
952	<i>Corymbia citriodora</i> (Hook.) K. D. Hill & L. A. S. Johnson	taxonomic change for <i>Eucalyptus citriodora</i>	Hill & Johnson, 1995	
953	<i>Corymbia ficifolia</i> (F. v. Muell.) K. D. Hill & L. A. S. Johnson	taxonomic change for <i>Eucalyptus ficifolia</i>	Hill & Johnson, 1995	
956	<i>Corymbia gummifera</i> (Gaertn.) K. D. Hill & L. A. S. Johnson	taxonomic change for <i>Eucalyptus gummifera</i>	Hill & Johnson, 1995	
961	<i>Eugenia uniflora</i> L.	new island (Maui)	Oppenheimer, 2003	
961	<i>Leptospermum petersonii</i> F. M. Bailey	reidentification; new state (Hawai`i)	Herbarium Pacificum Staff, 1999	Thompson annotated specimens misidentified as <i>L. flavescens</i>

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961	<i>Leptospermum polygalifolium</i> Salisb. subsp. <i>polygalifolium</i>	nomenclatural change	Herbarium Pacificum Staff, 1999	<i>L. flavescens</i> placed in synonymy by Thompson (1989)
963	<i>Leptospermum laevigatum</i> (Gaertn.) F. Muell.	new island (O`ahu)	Herbarium Pacificum Staff, 1999; Staples et al., 2002	
963	<i>Leptospermum morrisonii</i> Joy Thomps.	reidentification; new state (Maui)	Herbarium Pacificum Staff, 1999	Thompson annotated specimens misidentified as <i>L. laevigatum</i>
967	<i>Metrosideros polymorpha</i> Gaudich.) var. <i>macrophylla</i> (Rock) H. St. John	new island (Maui)	Oppenheimer & Bartlett, 2002	
970	<i>Metrosideros waialealae</i> (Rock) Rock var. <i>fauriei</i> (H. Lév) J. W. Dawson & Stemmerm.	new island (West Maui)	Oppenheimer et al., 1999	
972, 973	<i>Rhodomyrtus tomentosa</i> (Aiton) Hassk.	new island (Lana`i)	Staples et al., 2002	
978	<i>Boerhavia acutifolia</i> (Choisy) J. W. Moore	taxonomic change for <i>B. glabrata</i> ; new islands (Kaua`i, Moloka`i, Pearl & Hermes, Laysan)	F. R. Fosberg, pers. comm., 1990; Lorence & Flynn, 1999; Oppenheimer, 2003; Staples et al., 2003	<i>Boerhavia glabrata</i> is not the species treated as <i>B. acutifolia</i> prior to Fosberg's 1990 treatment
978, 979	<i>Boerhavia coccinea</i> Mill.	new islands (Lana`i, Kure)	Oppenheimer & Bartlett, 2002; Starr et al., 2003	
982	<i>Mirabilis jalapa</i> L.	new island (Moloka`i)	Oppenheimer, 2003	
989	<i>Nymphaea caerulea</i> Savigny	newly naturalized (Hawai`i)	Herbarium Pacificum Staff, 1998	no Nymphaeaceae species previously recorded as naturalized

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989	<i>Nymphaea capensis</i> Thunb.	newly naturalized (Kaua`i); range extension (Kaua`i)	Herbarium Pacificum Staff, 1998; Staples et al., 2003	cultivated Hawaiian plants have been identified as <i>N. capensis</i> var. <i>zanzibariensis</i> (Caspary) Conard; second population referred to as <i>N. capensis</i> var. <i>capensis</i> based on characters not considered taxonomically significant
989	<i>Nymphaea xdaubenyana</i> W. T. Baxter	newly naturalized (West Maui)	Oppenheimer, 2003	
989	<i>Nymphaea lotus</i> L. sensu lato	new state (O`ahu)	Staples et al., 2003	
989	<i>Ochna serrulata</i> (Hochst.) Walp.	newly naturalized (Hawai`i)	Herbarium Pacificum Staff, 1998	
989	<i>Ochna thomasiana</i> Engl. & Gilg	misidentification as <i>O. kirki</i> in Hawaiian literature; newly naturalized (O`ahu); new island (West Maui)	Herbarium Pacificum Staff, 1998; Imada et al., 2000; Oppenheimer, 2003	adventive and thought to be naturalized, but no record (1998)
990	<i>Jasminum fluminense</i> Vell.	newly naturalized (O`ahu, Hawai`i) and new island (East Maui)	Herbarium Pacificum Staff, 1996; Starr et al., 2002	
991	<i>Fraxinus griffithii</i> C. B. Clarke	newly naturalized (East Maui)	Oppenheimer, 2003	
991	<i>Ligustrum lucidum</i> Aiton	newly naturalized (Hawai`i)	Staples et al., 2003	
991	<i>Ligustrum sinense</i> Lour.	new state (Kaua`i) and new island (Hawai`i)	Herbarium Pacificum Staff, 1999; Lorence & Flynn, 1999	
992	<i>Noronhia emarginata</i> (Lam.) Poir.	newly naturalized (Kaua`i); new island (Maui)	Flynn & Lorence, 2002; Starr et al., 2003	
992	<i>Olea europaea</i> L. subsp. <i>europaea</i>	newly naturalized (East Maui)	Starr et al., 1999	
992, 993	<i>Olea europaea</i> L. subsp. <i>cuspidata</i> (Wall. ex G. Don) Cif.	taxonomic name change for <i>Olea europaea</i> L. subsp. <i>africana</i> ; new island (Kaua`i); newly naturalized (East Maui)	Green, 1994b; Lorence et al., 1995; Starr et al., 1999	an older name at the subspecies rank for this taxon

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995	<i>Epilobium billardierianum</i> Ser. <i>cinereum</i> (A. Rich.) P. H. Raven & Engelhorn	new island (Kaua`i)	Wagner & Herbst, 1995	
1000	<i>Oenothera kunthiana</i> (Spach) Munz	newly naturalized (East Maui)	pers. comm., 2003; det. W. L. Wagner, 2003	based on herbarium sheet of Starr & Starr 020518-1
1000	<i>Oenothera laciniata</i> Hill	new island (Kure)	Wagner & Herbst, 1995	
1002, 1003	<i>Oxalis corniculata</i> L.	distribution correction (Kure)	Starr et al., 2003; Herbst & Wagner, 1992	
1002	<i>Oxalis debilis</i> Kunth	taxonomic change for <i>Oxalis corymbosa</i>	Mabberley, 1997	
1005	<i>Argemone glauca</i> (Nutt. ex Prain) Pope var. <i>glauca</i>	rediscovery (Kaua`i)	Lorence et al., 1995	
1010	<i>Passiflora x violacea</i> Loisel.	new island (East Maui) and name change for <i>Passiflora x caerulea</i>	Starr et al., 1999	
1010	<i>Passiflora edulis</i> Sims	new island (Moloka`i)	Hughes, 1995	
1008, 1011	<i>Passiflora foetida</i> L.	new islands (Moloka`i, Lana`i)	Herbarium Pacificum Staff, 1996; Oppenheimer & Bartlett, 2002	
1011	<i>Passiflora laurifolia</i> L.	new island (West Maui) and range extension (East Maui)	Meidell et al., 1998; Starr et al., 1999	
1011	<i>Passiflora ligularis</i> Juss.	new island (West Maui)	Meidell et al., 1998	
1012	<i>Passiflora maliformis</i> L.	new state (Kaua`i)	Lorence et al., 1995	
1012	<i>Passiflora tarminiana</i> Coppens & Barney	misidentification as <i>P. mollissima</i> (Kunth) L. H. Bailey; new island (East Maui)	Coppens d' Eeckenbrugge et al., 2001; Oppenheimer & Bartlett, 2000; Staples et al., 2003	naturalized species from Colombia
1014	<i>Passiflora suberosa</i> L.	new islands (Kaua`i, L~na`i)	Lorence et al., 1995; Wagner et al., 1997	
1014	<i>Passiflora subpeltata</i> Ortega	new island (Moloka`i)	Oppenheimer, 2003	
1016	<i>Rivina humilis</i> L.	new islands (West Maui, Moloka`i)	Meidell et al., 1997; Oppenheimer, 2003	

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1026	<i>Peperomia hirtipetiola</i> C. DC.	new island (Kaua`i)	Lorence et al., 1995	
1029, 1030	<i>Peperomia blanda</i> (Jacq.) Kunth var. <i>floribunda</i> (Miq.) H. Huber	taxonomic change for <i>P. leptostachya</i>	Huber, 1987; Florence, 1997	this represents a broader taxonomic concept encompassing populations from most of the Old World tropics
1033, 1034	<i>Peperomia obovatalimba</i> C. DC.	distributional correction (East Maui and Hawai`i only)	Wagner & Herbst, 1995; Oppenheimer & Bartlett, 2002	range extension to West Maui reported by Wagner & Herbst was an error based on a mislabeled specimen recent collections have shown this coastal taxon to be a distinct species
1040	<i>Pittosporum halophilum</i> Rock	resurrected from the synonymy of <i>P. confertiflorum</i>		
1047	<i>Pittosporum pentandrum</i> (Blanco) Merr.	new state (O`ahu, Hawai`i)	Herbarium Pacificum Staff, 1999	
1048	<i>Pittosporum viridiflorum</i> Sims	new island (East Maui)	Starr et al., 1999	
1056	<i>Plumbago auriculata</i> Lam.	new state (East Maui)	Herbarium Pacificum Staff, 1999	
1057	<i>Collomia linearis</i> Nutt.	new state (East Maui)	Wagner & Herbst, 1995	
1058	<i>Polygala paniculata</i> L.	new island (Kaua`i) and range extension (West Maui)	Lorence et al., 1995; Oppenheimer et al., 1999	
1059	<i>Coccoloba uvifera</i> (L.) L.	newly naturalized (O`ahu) and new islands (Midway, East Maui, West Maui, Hawai`i)	Herbst, 1998; Starr et al., 2002; Oppenheimer & Bartlett, 2002	
1060	<i>Antigonon leptopus</i> Hook. & Arn.	new island (Midway)	Bruegmann, pers. comm., 1998; Starr et al., 2002	
1061, 1063	<i>Persicaria capitata</i> (Buch.-Ham. ex D. Don) Masam.	taxonomic change for <i>Polygonum capitatum</i> ; new island (East Maui)	Ronse Decraene & Akeroyd, 1988; Oppenheimer & Bartlett, 2002	species of Hawaiian <i>Polygonum</i> now treated in three distinct genera; segregates gaining wide acceptance (e.g., Brandbyge, 1993; Wilson, 1990)
1063	<i>Persicaria chinense</i> (L.) Nakai	taxonomic change for <i>Polygonum chinense</i>	Ronse Decraene & Akeroyd, 1988	see note under <i>Persicaria capitata</i>

Page	Taxon	Type of Record	Citation	Comment
1063	<i>Fallopia convolvulus</i> (L.) A. Löve	taxonomic change for <i>Polygonum convolvulus</i>	Ronse Decraene & Akeroyd, 1988	see note under <i>Persicaria capitata</i>
1061, 1064	<i>Persicaria glabra</i> (Willd.) M. Gómez	taxonomic change for <i>Polygonum glabrum</i>	Ronse Decraene & Akeroyd, 1988; Wilson, 1990	see note under <i>Persicaria capitata</i> ; Wilson reaches similar conclusions to ours in note on p. 1064, and treats <i>Persicaria densiflora</i> as a synonym of <i>P. glabra</i>
1061, 1064	<i>Persicaria punctata</i> (Elliott) Small	taxonomic change for <i>Polygonum punctatum</i>	Ronse Decraene & Akeroyd, 1988	see note under <i>Persicaria capitata</i>
1067	<i>Rumex conglomeratus</i> Murray	new state (Kaua`i)	Wagner et al., 1997; Mosyakin & Wagner, 1998	
1067	<i>Rumex crispus</i> L.	taxonomic note	Mosyakin & Wagner, 1998	Hawaiian taxon is <i>Rumex crispus</i> subsp. <i>crispus</i>
1067	<i>Rumex crispus</i> L. subsp. <i>fauriei</i> (Rech.) Mosyakin & W. L. Wagner	new state (O`ahu, L~na`i), and new combination and status	Mosyakin & Wagner, 1998	not clear if this subspecies naturalized on O`ahu
1075	<i>Talinum fruticosum</i> (L.) Juss.	taxonomic change for <i>T. triangulare</i> and new island (O`ahu)	Wagner & Herbst, 1995	
1075	<i>Talinum paniculatum</i> (Jacq.) Gaertn.	new island (West Maui)	Oppenheimer & Bartlett, 2000	
1076, 1078	<i>Anagallis arvensis</i> L.	distribution correction (Kure)	Staples et al., 2003; Herbst & Wagner, 1992	
1080	<i>Lysimachia pendens</i> K. L. Marr	new species (Kaua`i)	Marr & Bohm, 1997	collection from “Blue Hole,” N fork of Wailua River of <i>L. filifolia</i> now treated as distinct
1080	<i>Lysimachia daphnoides</i> (A. Gray) Hillebr.	<i>Lysimachia kahiliensis</i> H. St. John recognized by Marr included by us in <i>L. daphnoides</i>	St. John, 1987d; Marr & Bohm, 1997	

Page	Taxon	Type of Record	Citation	Comment
1081	<i>Lysimachia hillebrandii</i> Hook. f. ex A. Gray	We consider <i>Lysimachia haupuensis</i> H. St. John, <i>L. ovoidea</i> H. St. John, and <i>L. waianaeensis</i> H. St. John to be part of the <i>L. hillebrandii</i> complex	St. John, 1987d; Marr & Bohm, 1997	these taxa all recognized as distinct by Marr & Bohm, but we consider distinction too weak to separate from <i>L. hillebrandii</i> ; subspecific status appears to be appropriate for some populations
1082	<i>Lysimachia iniki</i> K. L. Marr	new species (Kaua`i)	Marr & Bohm, 1997	“Blue Hole,” N fork of Wailua River only; rare
1083	<i>Lysimachia scopulensis</i> K. L. Marr	new species (Kaua`i)	Marr & Bohm, 1997	Kalalau Valley
1083	<i>Lysimachia remyi</i> Hillebr.	newly delimited by Marr and subdivided into 4 subspecies, a classification not recognized here	Marr & Bohm, 1997	we stay for the present with broad delimitation of this species; subspecies of Marr do not seem natural groupings
1086	<i>Grevillea robusta</i> A. Cunn. ex R. Br.	new islands (L~na`i, Moloka`i)	Herbarium Pacificum Staff, 1999; Oppenheimer, 2003	
1091,	<i>Colubrina asiatica</i> (L.) Brongn.	new island (West Maui)	Starr et al., 2003	
1093				
1091,	<i>Colubrina oppositifolia</i> Brongn. ex H. Mann	new island (West Maui)	Lau, 1995	single individual
1094				
1095	<i>Gouania meyenii</i> Steud.	new island (Kaua`i)	Lorence et al., 1995	
1097	<i>Gouania vitifolia</i> A. Gray	rediscoveries (O`ahu, Hawai`i)	Herbarium Pacificum Staff, 1996, 1998	3 populations (2 on O`ahu) and total of about 15 individuals
1099	<i>Bruguiera sexangula</i> (Lour.) Poir.	misidentification as <i>Bruguiera gymnorhiza</i>	J. A. Allen, K. W. Krauss, N. C. Duke, D. R. Herbst, unpubl.; Ding Hou, 1958	misidentification traces to Fosberg (1948)
1099	<i>Rhizophora mangle</i> L.	new island (West Maui); range extension (East Maui)	Herbarium Pacificum Staff, 1999; Oppenheimer, 2003	

Page	TAXON	TYPE OF RECORD	CITATION	COMMENT
1100	<i>Cotoneaster pannosus</i> Franch.	newly naturalized (Kaua`i); new island (East Maui)	Lorence et al., 1995; Herbarium Pacificum Staff, 1999	
1100	<i>Eriobotrya japonica</i> (Thunb.) Lindl.	newly naturalized (Kaua`i); new island (East Maui)	Lorence et al., 1995; Herbarium Pacificum Staff, 1999	
1100	<i>Prunus persica</i> (L.) Batsch	newly naturalized (East Maui)	Oppenheimer, 2003	
1102	<i>Acaena exigua</i> A. Gray	rediscovery (West Maui)	Meidell et al., 1998	last documentation in 1957
1104	<i>Heteromeles arbutifolia</i> (Lindl.) M. Roem.	newly naturalized (Hawai`i)	Herbst & Wagner, 1996	
1105	<i>Photinia davidiana</i> (Decne.) Cardot	newly naturalized (East Maui, Hawai`i)	Herbarium Pacificum Staff, 1996	
1105	<i>Pyracantha angustifolia</i> (Franch.) C. K. Schneid.	reidentification; Kaua`i only	Herbarium Pacificum Staff, 1999	annotation by J. B. Phipps revealed 3 species of <i>Pyracantha</i>
1105	<i>Pyracantha crenatoserrata</i> (Hance) Redher	reidentification; newly naturalized (Kaua`i, Hawai`i)	Herbarium Pacificum Staff, 1999	specimens were misidentified as <i>P. angustifolia</i>
1105	<i>Pyracantha koidzumii</i> Redher	reidentification; newly naturalized (Kaua`i, Hawai`i); new island (East Maui)	Herbarium Pacificum Staff, 1999; Staples et al., 2003	specimens were misidentified as <i>P. angustifolia</i>
1105	<i>Rosa xdamascena</i> Mill.	newly naturalized (Moloka`i, Maui, Hawai`i)	Staples et al., 2002; Oppenheimer & Bartlett, 2002	
1105	<i>Rosa laevigata</i> Michx.	newly naturalized (L~na`i)	Nagata, 1995	
1106	<i>Rubus discolor</i> Weihe & Nees	newly naturalized (O`ahu)	Conant, 1996	definitely naturalized; new populations in Palolo Valley
1106	<i>Rubus glaucus</i> Benth.	newly naturalized (Maui)	Starr et al., 2003	reported as new island
1107	<i>Rubus argutus</i> Link	new island (Moloka`i)	Hughes, 1995	
1109	<i>Rubus macraei</i> A. Gray	not a closely related derivative of <i>R. hawaiensis</i> and results from an independent colonization	Howarth et al., 1998	no close relatives in <i>Rubus</i> subg. <i>Idaeobatus</i>
1110	<i>Rubus niveus</i> Thunb.	range extension (Hawai`i) and new island (Kaua`i)	Nagata, 1995; Flynn & Lorence, 1998	

Page	TAXON	Type of Record	Citation	Comment
1118	<i>Bobea timonioides</i> (Hook. f.) Hillebr.	new island (Kaua`i)	Lorence et al., 1995	
1119	<i>Psydrax odorata</i> (G. Forst.) A. C. Sm. & S. P. Darwin	taxonomic change for <i>Canthium odoratum</i>	Smith, 1988	stated as pending combination
1121	<i>Coffea liberica</i> Hiern	newly naturalized (O`ahu)	Staples et al., 2002	
1130	<i>Coprosma rhynchocarpa</i> A. Gray	new island (East Maui)	Herbarium Pacificum Staff, 1996	
1130	<i>Coprosma ternata</i> W. R. B. Oliv.	new island (West Maui)	Wagner & Herbst, 1995	
1131	<i>Diodia apiculata</i> (Willd. ex Roem. & Schult.) K. Schum.	new state (O`ahu)	Imada et al., 2000	Syn. <i>Diodia rigida</i> (Willd. ex Roem. & Schult.) Cham. & Schltdl.
1131	<i>Galium divaricatum</i> Pourr. ex Lam.	new island (Hawai`i)	Wagner & Herbst, 1995	
1139	<i>Hedyotis callitrichoides</i> (Griseb.) W. H. Lewis	range extension (West Maui)	Oppenheimer & Bartlett, 2002	
1134, 1141	<i>Hedyotis corymbosa</i> (L.) Lam.	new island (Kaua`i) and range extension (West Maui, Hawai`i)	Lorence et al., 1995; Oppenheimer & Bartlett, 2002; Starr et al., 2002	
1144	<i>Hedyotis flynnii</i> W. L. Wagner & Lorence	new species (Kaua`i)	Wagner & Lorence, 1998	cliffs in northern valleys; rare
1149, 1150	<i>Hedyotis schlechtendahliana</i> subsp. <i>waimeae</i> (Wawra) W. L. Wagner & Lorence	resurrection from synonymy of <i>H. schlechtendahliana</i> var. <i>schlechtendahliana</i> and new combination and status	Wagner & Lorence, 1998	the flower in lower right of pl. 166 is <i>H. schlechtendahliana</i> subsp. <i>waimeae</i> from Flynn & Lopez 1466
1156	<i>Mitracarpus hirtus</i> (L.) DC.	new island (East Maui)	Starr et al., 2003	
1157	<i>Morinda trimera</i> Hillebr.	new island (Kaua`i)	Lorence et al., 1995	
1158, 1159	<i>Coprosma granadensis</i> (L. f.) Heads	taxonomic change, genus <i>Nertera</i> transferred to a section of <i>Coprosma</i> ; and range extension (East Maui)	Heads, 1996; Oppenheimer & Bartlett, 2000	list of Hawaiian species out of date in Heads' article
1160	<i>Paederia foetida</i> L.	taxonomic name change for <i>P. scandens</i> ; new island (East Maui); range extension (West Maui)	Wagner & Herbst, 1995; Starr et al., 1999; Oppenheimer, 2003	

Page	Taxon	Type of Record	Citation	Comment
1160	<i>Pentas lanceolata</i> (Forssk.) Deflers	newly naturalized (Hawai`i) and new island (East Maui)	Nagata, 1995; Starr et al., 2002	
1164	<i>Psychotria greenwelliae</i> Fosberg	misidentification, erroneous new island (O`ahu)	Herbarium Pacificum Staff, 1996	these collections are not <i>P. greenwelliae</i> and need to be redetermined
1171	<i>Richardia scabra</i> L.	new state (Kaua`i); new island (West Maui)	Lorence et al., 1995; Oppenheimer, 2003	
1171	<i>Serissa japonica</i> (Thunb.) Thunb.	newly naturalized (Hawai`i)	Wagner et al., 1997	
1172, 1173	<i>Spermacoce assurgens</i> Ruiz & Pav.	new islands (Moloka`i, Lana`i)	Oppenheimer, 2003	
1173	<i>Spermacoce capitata</i> Ruiz & Pav.	new state (Hawai`i)	Wagner et al., 1997	
1173	<i>Spermacoce exilis</i> (L. O. Williams) C. D. Adams	taxonomic name change for <i>S. mauritiana</i>	Lorence et al., 1995	
1173	<i>Spermacoce latifolia</i> Aubl.	new state (Kaua`i)	Lorence et al., 1995	
1173	<i>Spermacoce ovalifolia</i> (M. Martens & Galeotti) Hemsl.	new state (Hawai`i); new islands (O`ahu, Maui)	Lorence et al., 1995; Wagner et al., 1997; Oppenheimer, 2003	first collection of this species, which cannot be located, referred to in a note as <i>S. prostrata</i> , a misidentification
1174	<i>Murraya paniculata</i> (L.) Jack	new island (East Maui)	Starr et al., 2003	reported as newly naturalized on O`ahu by Kraus in the Records of the Hawaii Biological Survey (issue number and year unknown)
1175	<i>Flindersia brayleyana</i> F. Muell.	new island (West Maui)	Oppenheimer, 2003	
1188	<i>Melicope elliptica</i> A. Gray	new island (Moloka`i)	Herbarium Pacificum Staff, 1996	
1188	<i>Pelea elliptica</i> (A. Gray) Hillebr. var. <i>mauiensis</i> H. St. John	invalid name	Wagner & Shannon, 1998	lacking Latin diagnosis
1190	<i>Melicope honoluluensis</i> (H. St. John) T. G. Hartley & B. C. Stone and <i>Pelea honoluluensis</i> H. St. John	invalid names	Wagner & Shannon, 1998	lacking Latin diagnosis; see <i>M. hosakae</i>

Page	TAXON	Type of Record	Citation	Comment
1190, 1191	<i>Melicope hosakae</i> (H. St. John) W. L. Wagner & R. K. Shannon	nomenclatural name change and new combination	Wagner & Shannon, 1998	basionym (<i>Pelea honoluluensis</i>) and subsequent combination in <i>Melicope</i> not validly published, next available name was <i>P. hosakae</i>
1192	<i>Pelea kavaiensis</i> H. Mann var. <i>glabra</i> Hillebr.	corrected synonymy	Wagner & Shannon, 1998	placed as synonym of <i>M. kavaiensis</i> , it actually represents <i>M. anisata</i>
1198	<i>Melicope ovata</i> (H. St. John & Hume) T. G. Hartley & B. C. Stone	new island (O`ahu)	Wagner & Shannon, 1998	
1198	<i>Melicope pallida</i> (Hillebr.) T. G. Hartley & B. C. Stone	rediscovery (Kaua`i)	Lorence et al., 1995	
1191, 1199, 1706	<i>Melicope sessilis</i> (H. Lév.) T. G. Hartley & B. C. Stone	nomenclatural name change and new combination for plants treated as <i>Pelea parvifolia</i> and <i>M. mauii</i>	Hartley, 2001	
1199	<i>Melicope paniculata</i> (H. St. John) T. G. Hartley & B. C. Stone	rediscovery (Kaua`i)	Lorence et al., 1995	
1199	<i>Pelea peduncularis</i> H. Lév. var. <i>ternifolia</i> (B. C. Stone) B. C. Stone	invalid name	Wagner & Shannon, 1998	lacking Latin diagnosis
1199	<i>Pelea wawraeana</i> Rock var. <i>ternifolia</i> B. C. Stone	invalid name	Wagner & Shannon, 1998	lacking Latin diagnosis
1202	<i>Melicope quadrangularis</i> (H. St. John & Hume) T. G. Hartley & B. C. Stone	rediscovery (Kaua`i)	Lorence et al., 1995	
1206	<i>Melicope hiiakae</i> (B. C. Stone) T. G. Hartley & B. C. Stone	resurrection from synonymy of <i>M. wawraeana</i> Rock	Lau, pers. comm., 1995	Lau's collections clearly show this is a distinct species more closely related to <i>M. lydgatei</i> and <i>M. sessilis</i>
1214	<i>Zanthoxylum hawaiiense</i> Hillebr.	new island (Kaua`i)	Lorence et al., 1995	
1224	<i>Filicium decipiens</i> (Wight & Arn.) Thwaites	newly naturalized (O`ahu); new islands (West Maui, Hawai`i)	Staples et al., 2002; Oppenheimer, 2003	

Page	TAXON	Type of Record	Citation	Comment
1223,	<i>Alectryon macrococcus</i> Radlk.	range extension (East Maui)	Oppenheimer, 2003	
1225	<i>subsp. macrococcus</i>			
1228	<i>Koelreuteria elegans</i> (Seem.) A. C. Sm.	newly naturalized (West Maui)	Oppenheimer, 2003	
	<i>subsp. formosana</i> (Hayata) F. G. Mey.			
1231	<i>Chrysophyllum oliviforme</i> L.	newly naturalized (Kaua`i); new islands (O`ahu, Hawai`i, Maui)	Lorence et al., 1995; Wagner et al., 1997; Oppenheimer, 2003	
1234	<i>Sideroxylon persimile</i> (Hemsl.) T. D. Penn.	newly naturalized (O`ahu, Lana`i, East Maui); range extension (O`ahu)	Starr et al., 2002; Staples et al., 2003	
1235	<i>Hebe speciosa</i> (A. Cunn) Cockayne & Allan	newly naturalized (Hawai`i)	Shannon & Wagner, 1996	
1236,	<i>Antirrhinum orontium</i> L.	new island (Kaho`olawe) and range extension (East Maui)	Staples et al., 2002; Starr et al., 2002	
1238				
1238,	<i>Castilleja arvensis</i> Cham. & Schltdl.	new island (O`ahu)	Staples et al., 2003	
1239				
1238,	<i>Linaria canadensis</i> (L.) Dum. Cours. var. <i>texana</i> (Scheele) Pennell	new island (East Maui)	Starr et al., 2002	
1241				
1242,	<i>Lindernia crustacea</i> (L.) F. Muell	new island (West Maui)	Oppenheimer, 2003	
1243				
1242	<i>Lindernia procumbens</i> (Krock.) Philcox	new state (Kaua`i)	Lorence et al., 1995	
1244	<i>Lophospermum erubescens</i> D. Don	new island (East Maui)	Starr et al., 1999	
1246	<i>Torenia asiatica</i> L.	taxonomic clarification	Staples et al., 2002	Most Hawaiian specimens identified as <i>T. asiatica</i> actually <i>T. glabra</i> ; known from single collection from Pu`u Maka`ala area
1243,	<i>Torenia glabra</i> Osbeck	newly naturalized (O`ahu, Hawai`i) and misidentification as <i>T. asiatica</i>	Staples et al., 2002	
1246				
1250	<i>Veronica peregrina</i> L. subsp. <i>xalapensis</i> (Kunth) Pennell	new island (Kaua`i; East Maui)	Lorence et al., 1995; Starr et al., 2002	
1250	<i>Veronica serpyllifolia</i> L.	new islands (L~na`i, East Maui)	Nagata, 1995; Starr et al., 2003	

Page	TAXON	Type of Record	Citation	Comment
1252	<i>Brugmansia candida</i> Pers.	new island (Moloka`i)	Hughes, 1995	
1254	<i>Cestrum nocturnum</i> L.	new islands (East Maui, Hawai`i)	Oppenheimer & Bartlett, 2000; Starr et al., 2003	
1258, 1259	<i>Solanum lycopersicum</i> L. var. <i>cerasiforme</i> (Dunal) D. M. Spooner, G. J. Anderson & R. K. Jansen	taxonomic change for <i>Lycopersicon esculentum</i> and misidentification as naturalized plants as <i>L. pimpinellifolium</i>	Wagner et al., 1997	
1260	<i>Nicotiana glauca</i> Graham	new islands (Hawai`i, Moloka`i)	Wagner & Herbst, 1995; Oppenheimer, 2003	
1265	<i>Physalis angulata</i> L.	new islands (O`ahu, Hawai`i)	Imada et al., 2000; Oppenheimer, 2003	
1265	<i>Physalis ixocarpa</i> Brot. ex Hornem.	new state (Moloka`i)	Nagata, 1995	a single individual in arid shrubland; not clear if naturalized
1265	<i>Physalis lanceifolia</i> Nees	new state (East Maui)	Wagner & Herbst, 1995	
1269	<i>Solanum capsicoides</i> All.	new island (West Maui)	Oppenheimer & Bartlett, 2000	
1270	<i>Solanum elaeagnifolium</i> Cav.	range extension (West Maui)	Oppenheimer et al., 1999	
1271	<i>Solanum linnaeanum</i> Hepper & P.-M. L. Jaeger	new island (Kaho`olawe)	Herbarium Pacificum Staff, 1998	
1275, 1277	<i>Solanum seaforthianum</i> Andr.	new island (Hawai`i)	Staples et al., 2003	
1276	<i>Solanum torvum</i> Sw.	range extension (West Maui); new island (Hawai`i)	Oppenheimer et al., 1999; Starr et al., 2003	
1278	<i>Streptosolen jamesonii</i> (Benth.) Miers	newly naturalized (Kaua`i)	Lorence & Flynn, 1997	
1279	<i>Sterculia apetala</i> (Jacq.) Karst.	newly naturalized	Oppenheimer, 2003	
1306	<i>Pilea microphylla</i> (L.) Liebm.	new islands (Midway: Eastern Is. and Sand Is., Lana`i)	Wagner & Herbst, 1995; Shannon & Wagner, 1996; Oppenheimer & Bartlett, 2002	

Page	TAXON	Type of Record	Citation	Comment
1314	<i>Urtica urens</i> L.	new island (O`ahu)	Herbarium Pacificum Staff, 1996	
1316	<i>Phyla nodiflora</i> (L.) Greene	newly naturalized (Midway: Sand Isl., West Maui)	Starr et al., 2002	
1317	<i>Citharexylum caudatum</i> L.	range extension (O`ahu); new islands (East Maui, Hawai`i)	Nagata, 1995; Starr et al., 1999; Oppenheimer, 2003	
1317	<i>Citharexylum spinosum</i> L.	newly naturalized (O`ahu) and new island (East Maui)	Herbarium Pacificum Staff, 1998; Starr et al., 2002	
1319	<i>Clerodendrum chinense</i> (Osb.-Kos.) Mabb.	nomenclatural name change from <i>C. philippinum</i>	Wagner & Herbst, 1995	
1318, 1319	<i>Clerodendrum macrostegium</i> Schauer	newly naturalized (Kaua`i)	Lorence & Flynn, 1997	
1319	<i>Duranta erecta</i> L.	newly naturalized (Kaua`i) and new island (O`ahu)	Lorence et al., 1995; Herbarium Pacificum Staff, 1998	
1320	<i>Lantana montevidensis</i> (Spreng.) Briq.	new island (Kaua`i)	Lorence et al., 1995	
1318, 1321	<i>Stachytarpheta australis</i> Moldenke	taxonomic change for <i>S. dichotoma</i> sensu description in Wagner et al. (1990); the type of <i>S. dichotoma</i> is the same taxon as <i>S. cayennensis</i>	Munir, 1992	
1322, 1323	<i>Stachytarpheta cayennensis</i> (Rich.) Vahl	taxonomic change for <i>S. urticifolia</i> ; <i>S. dichotoma</i> also becomes a synonym here	Munir, 1992	<i>S. cayennensis</i> hybridizes with <i>S. jamaicensis</i> at least at Kolekole Pass and Waim~nalo, O`ahu, and with <i>S. mutabilis</i> on Kaua`i
1322, 1323	<i>Stachytarpheta jamaicensis</i> (L.) Vahl	new island (Moloka`i)	Oppenheimer, 2003	
1325	<i>Verbena bonariensis</i> L.	new island (Kaua`i)	Lorence et al., 1995	
1331	<i>Isodendrion pyrifolium</i> A. Gray	rediscovery (Hawai`i)	Herbarium Pacificum Staff, 1996	
1332	<i>Viola odorata</i> L.	new island (Hawai`i)	Shannon & Wagner, 1996	

Page	TAXON	Type of Record	Citation	Comment
1338	<i>Korthalsella complanata</i> (Tiegh.) Engl.	proposed taxonomic change: inclusion in a broadly delimited and widespread (Indian and Pacific Ocean) <i>K. taenioides</i> (Comm. ex DC.) Engl. f. <i>taenioides</i>	Molvray, 1997	Barlow (1997) does not accept Molvray's taxonomy; we concur that this sweeping change should be further evaluated before adopting
1339	<i>Korthalsella cylindrica</i> (Tiegh.) Engl.	retained at species level, but distribution extended to include Tahiti	Molvray, 1997	this change should be further evaluated before adopting
1339	<i>Korthalsella degeneri</i> Danser	proposed taxonomic change: inclusion in a broadly delimited and widespread (Marquesas and Hawaiian Is., Tahiti, Samoa, Fiji, and Norfolk Is.) <i>K. taenioides</i> (Comm. ex DC.) Engl. f. <i>horneana</i> (Tiegh.) Molvray	Molvray, 1997	this sweeping change should be further evaluated before adopting
1339	<i>Korthalsella latissima</i> (Tiegh.) Danser	proposed taxonomic change: forma status and highly disjunct distribution (Hawaiian Is. and Australia) <i>K. taenioides</i> (Comm. ex DC.) Engl. f. <i>pendula</i> (Wawra) Molvray	Molvray, 1997	this change should be further evaluated before adopting
1340	<i>Korthalsella platycaula</i> (Tiegh.) Engl.	proposed taxonomic change: inclusion in a broadly delimited and widespread (Indian and Pacific Ocean) <i>K. taenioides</i> (Comm. ex DC.) Engl. f. <i>taenioides</i> ; <i>Bifaria hillebrandii</i> Tiegh. is a synonym here	Molvray, 1997	this sweeping change should be further evaluated before adopting
1340	<i>Korthalsella remyana</i> Tiegh.	proposed taxonomic change: forma status and highly disjunct distribution (Hawaiian Island and Tahiti) <i>K. taenioides</i> (Comm. ex DC.) Engl. f. <i>remyana</i> (Tiegh.) Molvray	Molvray, 1997	this change should be further evaluated before adopting
1342	<i>Cissus rotundifolia</i> (Forssk.) Vahl	newly naturalized (Kaua`i) and new island (O`ahu, East Maui)	Lorence & Flynn, 1997; Herbst, 1998; Starr et al., 2002	
1342	<i>Tetrastigma pubinerve</i> Merr. & Chun	newly naturalized (West Maui)	Oppenheimer & Bartlett, 2000	

Page	TAXON	Type of Record	Citation	Comment
1344	<i>Tribulus terrestris</i> L.	new island (Moloka`i)	Oppenheimer, 2003	
1347	<i>Sansevieria trifasciata</i> Prain	newly naturalized (O`ahu) and new islands (Kaua`i, East Maui)	Imada et al., 2000; Flynn & Lorence, 2002; Starr et al., 2003	
1355	<i>Sagittaria latifolia</i> Willd.	new island (Hawai`i)	Imada et al., 2000	
1355	<i>Aloe vera</i> (L.) Burm. f.	newly naturalized (Kaua`i) and new islands (O`ahu, West Maui)	Lorence et al., 1995; Herbarium Pacificum Staff, 1999; Oppenheimer, 2003	no Aloeaceae species previously reported as naturalized
1356	<i>Alocasia cucullata</i> (Lour.) G. Don	newly naturalized (East Maui, Hawai`i)	Staples et al., 2003	
1356	<i>Alocasia macrorrhizos</i> (L.) G. Don	new island (Hawai`i)	Imada et al., 2000	Imada et al. incorrectly attributed authorship of the combination to Schott
1359	<i>Philodendron erubescens</i> K. Koch & Augustin	newly naturalized (Kaua`i)	Flynn & Lorence, 2002	
1359	<i>Philodendron pinnatifidum</i> (Jacq.) Schott	newly naturalized (Kaua`i)	Flynn & Lorence, 2002	
1359	<i>Xanthosoma robustum</i> Schott	newly naturalized (Kaua`i, O`ahu) and new islands (Maui, Hawai`i); taxonomic name change for <i>Xanthosoma roseum</i>	Staples & Woolliams, 1997; Oppenheimer & Bartlett, 2000; Imada et al., 2000; Govaerts & Frodin, 2002	
1358, 1364	<i>Livistonia chinensis</i> (Jacq.) R. Br. Ex Mart.	new island (West Maui)	Oppenheimer, 2003	
1371	<i>Pritchardia lanaiensis</i> Becc. & Rock	resurrected from a doubtful species	Gemmill, pers. comm., 1997	
1371	<i>Pritchardia limahuliensis</i> H. St. John	new species (Kaua`i)	St. John, 1988; Gemmill, pers. comm., 1997	extremely rare and endangered
1373	<i>Pritchardia perlmanii</i> Gemmill	new species (Kaua`i)	Gemmill, 1998	extremely rare and endangered
1375	<i>Washingtonia filifera</i> (L. Linden) H. Wendl.	newly naturalized (West Maui)	Oppenheimer & Bartlett, 2002	

Page	Taxon	Type of Record	Citation	Comment
1375	<i>Washingtonia robusta</i> H. Wendl.	newly naturalized (West Maui)	Oppenheimer & Bartlett, 2002	
1376	<i>Tradescantia zebrina</i> Loud.	newly naturalized (Kaua`i); new island (West Maui)	Lorenz & Flynn, 1997; Oppenheimer & Bartlett, 2000	
1378	<i>Callisia fragrans</i> (Lindl.) Woodson	new island (East Maui)	Starr et al., 2003	
1377, 1379	<i>Commelina benghalensis</i> L.	new island (Moloka`i)	Oppenheimer, 2003	
1381	<i>Costus speciosus</i> (J. König) Sm.	new islands (Kaua`i, Maui)	Wagner & Herbst, 1995; Oppenheimer & Bartlett, 2000	
1388	<i>Carex inversa</i> R. Br.	new state (Hawai`i)	Shaw & Douglas, 1995	Pohakuloa Training Area
1389	<i>Carex longii</i> Mack.	new state (Hawai`i, East Maui)	Strong & Wagner, 1997	mentioned as status unknown as <i>C. ovalis</i> Gooden., a misidentification
1395	<i>Cyperus involucratus</i> Rottb.	nomenclatural/taxonomic change for <i>C. alternifolius</i> L.	Strong & Wagner, 1997	
1395	<i>Cyperus compressus</i> L.	new island (East Maui)	Wagner & Herbst, 1995	
1395	<i>Cyperus confertus</i> Sw.	new state (Hawai`i)	Herbarium Pacificum Staff, 1996; Strong & Wagner, 1997	
1395	<i>Cyperus cyperoides</i> (L.) Kuntze	new state (Hawai`i)	Herbarium Pacificum Staff, 1996; Strong & Wagner, 1997	not known if naturalized
1391, 1395	<i>Cyperus difformis</i> L.	new island (West Maui)	Starr et al., 2002	
1396	<i>Cyperus eragrostis</i> Lam.	new state (Hawai`i)	Staples et al., 2003	
1396	<i>Cyperus esculentus</i> L.	rediscovery (Hawai`i)	Strong & Wagner, 1997	now known from 2 collections
1396	<i>Cyperus gracilis</i> R. Br.	new islands (Moloka`i, Lana`i, Hawai`i)	Hughes, 1995; Oppenheimer & Bartlett, 2002; Starr et al., 2003	
1396, 1397	<i>Cyperus haspan</i> L.	new island (Moloka`i) and spelling correction	Hughes, 1995	

Page	TAXON	TYPE OF RECORD	CITATION	COMMENT
1398	<i>Cyperus involucratus</i> Rottb.	new island (Hawai`i)	Imada et al., 2000	Imada et al. incorrectly attributed authorship to Roxburgh
1398	<i>Cyperus papyrus</i> L.	new island (Hawai`i)	Staples et al., 2003	
1399	<i>Cyperus prolifer</i> Lam.	newly naturalized (Kaua`i)	Strong & Wagner, 1997	also cultivated
1399	<i>Cyperus rotundus</i> L.	new islands (French Frigate Shoals, Moloka`i)	Hughes, 1995; Strong & Wagner, 1997	
1401,	<i>Eleocharis geniculata</i> (L.) Roem. & Schult.	new island (West Maui)	Oppenheimer, 2003	
1402	<i>Eleocharis olivacea</i> Torr.	new state (Hawai`i)	Strong & Wagner, 1997	
1403	<i>Eleocharis radicans</i> (Poir.) Kunth	new island (Hawai`i)	Imada et al., 2000	
1403	<i>Eleocharis schaffneri</i> Boeck.	new state (Kaua`i)	Strong & Wagner, 1997	
1404	<i>Fimbristylis aestivalis</i> (Retz.) Vahl	new island (Hawai`i)	Oppenheimer & Bartlett, 2002	
1406	<i>Fimbristylis ferruginea</i> (L.) Vahl	new state (O`ahu)	Strong & Wagner, 1997	
1406	<i>Fimbristylis miliacea</i> (L.) Vahl	new state (Kaua`i) and new islands (Hawai`i, East Maui)	Strong & Wagner, 1997; Imada et al., 2000; Oppenheimer, 2003	
1408	<i>Gahnia aspera</i> Spreng. subsp. <i>globosa</i> (H. Mann) J. Kern	new island (Kaua`i)	Lorence et al., 1995	
1409	<i>Gahnia beecheyi</i> H. Mann	new island (Moloka`i)	Hughes, 1995	
1407,	<i>Morelotia</i>	new island (Kaua`i);	Lorence et al., 1995	treated as an
1409	<i>gahniiformis</i> Gaudich.	taxonomic change; distribution status change		indigenous species of <i>Gahnia</i> ; this species is an Hawaiian endemic
1413	<i>Kyllinga nemoralis</i> (J. R. Forst. & G. Forst.) Dandy ex Hutch. & Dalziel	new islands (Moloka`i, Lana`i)	Oppenheimer, 2003	
1416	<i>Cyperus congestus</i> Vahl	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1416	<i>Cyperus cyperinus</i> (Retz.) Suringar	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized

Page	TAXON	Type of Record	Citation	Comment
1412, 1417	<i>Cyperus fauriei</i> Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1417, 1419	<i>Cyperus hillebrandii</i> Boeck. var. <i>hillebrandii</i> and <i>C. h.</i> var. <i>decipiens</i> (Hillebr.) Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized; available names at varietal level
1418, 1419	<i>Cyperus hypochlorus</i> Hillebr. var. <i>hypochlorus</i> and <i>C. h.</i> var. <i>brevior</i> Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized; available names at varietal level
1419, 1420	<i>Cyperus javanicus</i> Houtt.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1419, 1420	<i>Cyperus meyenianus</i> Kunth	taxonomic change; new islands (Moloka`i, Hawai`i)	Strong & Wagner, 1997; Tucker, 1994; Hughes, 1995; Oppenheimer, 2003	<i>Mariscus</i> not recognized
1420	<i>Cyperus</i> <i>neokunthianus</i> Kük.	taxonomic change for <i>Mariscus kunthianus</i>	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1421, 1422	<i>Cyperus</i> <i>pennatiflorus</i> Kük. var. <i>pennatiflorus</i> and <i>C. p.</i> var. <i>bryanii</i> Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized; available names at varietal level
1422, 1423	<i>Cyperus phleoides</i> (Nees ex Kunth) Hillebr. var. <i>phleoides</i> and <i>C. p.</i> var. <i>hawaiiensis</i> (H. Mann) Kük.	taxonomic change and new island (Kaho`olawe)	Wagner & Herbst, 1995; Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized; available names at varietal level
1423	<i>Cyperus rockii</i> Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1422, 1424	<i>Cyperus sandwicensis</i> Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1425, 1426	<i>Cyperus polystachyos</i> Rottb.	taxonomic change	Tucker, 1994	<i>Pycreus</i> and subspecies not recognized
1427	<i>Cyperus</i> <i>sanguinolentus</i> Vahl	taxonomic change	Tucker, 1994	<i>Pycreus</i> not recognized
1428	<i>Rhynchospora</i> <i>caduca</i> Elliott	new island (Kaua`i, O`ahu)	Wagner & Herbst, 1995; Wagner et al., 1997	

Page	Taxon	Type of Record	Citation	Comment
1429	<i>Rhynchospora radicans</i> (Schltdl. & Cham.) H. Pfeiff. subsp. <i>microcephala</i> (Bertero ex Spreng.) W. W. Thomas	new state (Hawai`i)	Strong & Wagner, 1997	
1432	<i>Schoenoplectus mucronatus</i> (L.) Palla subsp. <i>mucronatus</i>	new state (Hawai`i)	Strong & Wagner, 1997	author of species incorrect in report; subspecies not reported, but apparently Hawaiian plants are the autonymic one (det. by Strong, 1998)
1432	<i>Schoenus apogon</i> Roem. & Schult.	new state (Hawai`i)	Herbarium Pacificum Staff, 1996; Strong & Wagner, 1997	
1433, 1434	<i>Cyperus odoratus</i> L.	taxonomic change	Tucker, 1994	<i>Torulinum</i> not recognized
1440	<i>Eriocaulon scariosum</i> Sm.	identification	Sylvia Phillips, pers. comm., 1998	this species from E Australia (Queensland to Victoria) treated as "sp. A"
1441	<i>Heliconia latispatha</i> Benth.	new island (Kaua`i)	Lorence & Flynn, 1997	
1442	<i>Vallisneria americana</i> Michx.	newly naturalized (Kaua`i)	Staples et al., 2003	herbarium sheet, <i>Flynn 6196</i> determined by C. D. K. Cook (Z)
1442	<i>Vallisneria spiralis</i> L.	new state (O`ahu)	Staples et al., 2003	
1438, 1442	<i>Egeria densa</i> Planch.	new island (West Maui)	Oppenheimer, 2003	
1443	<i>Halophila hawaiiana</i> Doty & B. C. Stone	new island (Midway)	DeFelice, 1999	
1444	<i>Molineria capitulata</i> (Lour.) Herb.	newly naturalized (Kaua`i)	Flynn & Lorence, 2002	
1445	<i>Aristea gerrardii</i> Weim.	misidentified as <i>Aristea compressa</i> Buchinger ex Baker	Herbarium Pacificum Staff, 1999; Staples et al., 2003	identified by L. Vincent (NMO)
1447	<i>Sisyrinchium exile</i> E. P. Bicknell	new island (Moloka`i)	Herbarium Pacificum Staff, 1999	
1449	<i>Watsonia borbonica</i> (Pourr.) Goldblatt	new island (Kaua`i) and range extension (West Maui)	Lorence et al., 1995; Oppenheimer & Bartlett, 2002	

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1452	<i>Juncus bufonius</i> L.	new island (O`ahu)	Wagner & Herbst, 1995	
1448, 1453	<i>Juncus planifolius</i> R. Br.	new island (Lana`i)	Oppenheimer & Bartlett, 2002	
1457	<i>Lemna aequinoctialis</i> Welw.	taxonomic change for <i>Lemna perpusilla</i> and new island (Hawai`i)	Wagner et al., 1997	
1458	<i>Lemna obscura</i> (Austin) Daubs	new state (O`ahu)	Wagner et al., 1997	
1458	<i>Spirodela polyrhiza</i> (L.) Schleid.	new islands (Kaua`i, Maui, Hawai`i)	Imada et al., 2000; Wagner et al., 1997	
1458	<i>Landoltia punctata</i> (G. Mey.) Les & D. J. Crawford	taxonomic change for <i>Spirodela punctata</i> (G. Mey.) C. H. Thomps; and new state (O`ahu, Hawai`i)	Staples et al., 2002; Wagner et al., 1997	
1458	<i>Wolffia globosa</i> (Roxb.) Hartog & Plas	new state (Moloka`i)	Wagner et al., 1997	
1459	<i>Asparagus asparagoides</i> (Forssk.) Deflers	new state (East Maui)	Starr et al., 2002	
1459	<i>Asparagus densiflorus</i> (Kunth) Jessop	newly naturalized (Kaua`i); and new islands (West Maui, Hawai`i)	Lorence & Flynn, 1999; Oppenheimer & Bartlett, 2000; Oppenheimer, 2003	
1459	<i>Asparagus plumosus</i> J. G. Baker	newly naturalized (Kaua`i); misidentification as <i>A. setaceus</i> ; new islands (O`ahu, West Maui; Hawai`i); range extension (East Maui)	Lorence et al., 1995; Imada et al., 2000; Oppenheimer & Bartlett, 2000; Starr et al., 2002; Oppenheimer & Bartlett, 2002	
1459	<i>Zephyranthes citrina</i> Baker	newly naturalized (Kaua`i) and new islands (O`ahu, East Maui)	Lorence et al., 1995; Staples et al., 2002	
1463	<i>Hippeastrum striatum</i> (Lam.) H. E. Moore	misidentification as <i>H. puniceum</i> ; and new island (Maui)	Herbst & Wagner, 1999; Oppenheimer & Bartlett, 2002	
1466	<i>Najas guadalupensis</i> (Spreng.) Magnus	new state (Hawai`i)	Herbst & Wagner, 1996	
1466	<i>Najas marina</i> L.	new state (O`ahu)	Shannon & Wagner, 1996	

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1468	<i>Zeuxine strateumatica</i> (L.) Schltr.	newly naturalized (East Maui)	Oppenheimer, 2003	
1468	<i>Habenaria rodeiensis</i> Barb. Rodr.	identification of <i>Habenaria</i> sp. from Kula	Herbst & Wagner, 1999	
1471	<i>Arundina graminifolia</i> (D. Don) Hochr.	range extension (West Maui)	Oppenheimer & Bartlett, 2000	
1473	<i>Phaius tankervilleae</i> (Banks ex L'Hér.) Blume	new island (West Maui)	Oppenheimer et al., 1999	Named in honor of Lady Emma Tankerville, corrected from original spelling <i>tancarvilleae</i> .
1476	<i>Polystachya concreta</i> (Jacq.) Garay & Sweet	new state (O`ahu)	Staples et al., 2003	
1482	<i>Aristida adscensionis</i> L.	new state (Moloka`i, Hawai`i) and distribution correction	Herbst & Clayton, 1998	earliest collection incorrectly placed on O`ahu instead of Moloka`i; does not occur on O`ahu reported as new island
1482	<i>Arrhenatherum elatius</i> (L.) P. Beauv. ex J. Presl & C. Presl	newly naturalized (East Maui)	Starr et al., 2003	
1482	<i>Dichelachne crinita</i> (L. f.) Hook. f.	newly naturalized (East Maui)	Starr et al., 2003	
1482	<i>Dichelachne micrantha</i> (Cav.) Domin	taxonomic change for <i>Dichelachne sciurea</i>	Herbst & Clayton, 1998	not known if naturalized
1482	<i>Distichlis spicata</i> (L.) Greene	range extension (Maui)	Herbarium Pacificum Staff, 1999	
1482	<i>Glyceria fluitans</i> (L.) R. Br.	new state (East Maui, Hawai`i)	Herbst & Wagner, 1999	based on three seemingly naturalized collections in 1916, 1951, and 1953; present status unknown
1483	<i>Hackelochloa granularis</i> (L.) Kuntze	new state (Hawai`i)	Herbst & Wagner, 1999	based on a single seemingly naturalized collection in 1941; present status unknown
1483	<i>Ixophorus unisetus</i> (K. Presl) Schltdl.	new state (Kaua`i, O`ahu, L~na`i)	Herbst & Wagner, 1999	
1483	<i>Phalaris minor</i> Retz.	new state (O`ahu, Moloka`i, Hawai`i)	Herbst & Wagner, 1999	
1483	<i>Phalaris aquatica</i> L.	new state (East Maui, Hawai`i), misidentification as <i>P. tuberosa</i> var. <i>stenoptera</i>	Herbst & Clayton, 1998	

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1483	<i>Phleum pratense</i> L.	new state (Kaua`i, O`ahu, Maui)	Herbst & Wagner, 1999	
1483	<i>Phragmites australis</i> (Cav.) Steud.	misidentification as <i>Phragmites karka</i>	Herbst & Clayton, 1998	
1484	<i>Triticum aestivum</i> L.	n e w l y n a t u r a l i z e d (Kaua`i, O`ahu, Moloka`i, L~na`i, Maui, Hawai`i)	unpublished	reported by O'Connor as escaped but it is clearly naturalized
1484	<i>Zizania latifolia</i> (Griseb.) Turcz. ex Stapf	new island (Kaua`i)	Lorence & Flynn, 1999	reported by O'Connor as status unknown on O`ahu and Hawai`i but appears to be naturalized
1492	<i>Agrostis avenacea</i> J. F. Gmel.	new island (Kaho`olawe)	Imada et al., 2000	
1492	<i>Agrostis capillaris</i> L.	new state (East Maui)	Herbst & Clayton, 1998	
1492	<i>Agrostis sandwicensis</i> Hillebr.	new island (Kaua`i)	Herbst & Clayton, 1998	
1493, 1494	<i>Polypogon viridis</i> (Gouan) Breistr.	taxonomic change for <i>Agrostis semiverticillata</i>	Herbst & Clayton, 1998	<i>Agrostis</i> species with spikelets falling entire, as in <i>A. semiverticillata</i> , are now included in <i>Polypogon</i>
1495	<i>Aira caryophyllea</i> L.	new island (Kaua`i)	Lorence & Flynn, 1997	
1497	<i>Andropogon glomeratus</i> (Walter) E. Britton, Sterns & Poggenb.	new state (Kaua`i)	Herbst & Clayton, 1998	earlier Hawaiian records of <i>Andropogon glomeratus</i> based on misidentified specimens of <i>Schizachyrium condensatum</i> ; these Kaua`i collections of <i>A. glomeratus</i> were basis of report as <i>S. condensatum</i> by Lorence et al. , 1995, a misidentification
1497	<i>Andropogon virginicus</i> L.	new islands (Midway: Sand Is., Kaua`i, Moloka`i, L~na`i) and range extension (West Maui)	Starr et al., 2002; Imada et al., 2000; Hughes, 1995; Herbarium Pacificum Staff, 1999; Oppenheimer et al., 1999	
1497	<i>Anthephora hermaphrodita</i> (L.) Kuntze	new state (O`ahu)	Herbst & Clayton, 1998	

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1498	<i>Anthoxanthum odoratum</i> L.	new island (Kaua`i)	Lorence et al., 1995	
1499	<i>Avena barbata</i> Pott ex Link	new island (Hawai`i)	Staples et al., 2002	
1500	<i>Axonopus compressus</i> (Sw.) P. Beauv.	newly naturalized (Moloka`i, Maui)	Oppenheimer, 2003	
1500	<i>Axonopus fissifolius</i> (Raddi) Kuhl.	new island (Moloka`i)	Hughes, 1995	
1502	<i>Bothriochloa bladhii</i> (Retz.) S. T. Blake	new island (East Maui)	Herbarium Pacificum Staff, 1997	
1503	<i>Bothriochloa laguroides</i> (DC.) Herter	new state (East Maui)	Herbst & Clayton, 1998	
1503	<i>Bothriochloa pertusa</i> (L.) A. Camus	new island (Midway)	Starr & Martz, 2000	
1503	<i>Urochloa distachya</i> (L.) T. Q. Nguyen	new island (Kaua`i); taxonomic change for <i>Brachiaria subquadripala</i> (Trin.) Hitchc.	Lorence et al., 1995; Zuloaga et al., 2003	
1504	<i>Urochloa mollis</i> (Sw.) Morrone & Zuloaga	new state (O`ahu); nomenclatural change for <i>Brachiaria mollis</i> (Sw.) Parodi	Staples et al., 2002; Zuloaga et al., 2003	
1501, 1504	<i>Urochloa mutica</i> (Forssk.) T. Q. Nguyen	nomenclatural change for <i>Brachiaria mutica</i> (Forssk.) Stapf; new island (Moloka`i)	Zuloaga et al., 2003; Oppenheimer, 2003	
1504	<i>Urochloa plantaginea</i> (Link) R. D. Webster	new state (O`ahu, Moloka`i); new island (West Maui); nomenclatural change for <i>Brachiaria plantaginea</i> (Link) Hitchc.	Wagner & Herbst, 1995; Oppenheimer & Bartlett, 2002; Zuloaga et al., 2003	
1504	<i>Urochloa reptans</i> (L.) Stapf	new state (O`ahu); nomenclatural change for <i>Brachiaria reptans</i> (L.) C. A. Gardner & C. E. Hubb.	Herbst & Clayton, 1998; Zuloaga et al., 2003	
1505	<i>Briza minor</i> (L.)	earlier date of introduction	Imada et al., 2000	collected on Hawai`i in 1853 (<i>J. Rémy</i> 85, BISH)
1505	<i>Bromus madritensis</i> L.	new state (Moloka`i, Maui, Hawai`i)	Herbst & Wagner, 1999	
1505	<i>Bromus hordeaceus</i> L. subsp. <i>divaricatus</i> (Bonnier & Layens) Kerguélen	taxonomic change for <i>Bromus molliformis</i> and new state (O`ahu, Maui)	Herbst & Clayton, 1998	As <i>Bromus hordeaceus</i> L. subsp. <i>molliformis</i> (<i>J. Lloyd</i>) Maire & Weiler by Herbst & Clayton, but this a junior synonym

Page	Taxon	Type of Record	Citation	Comment
1507	<i>Bromus rubens</i> L.	new state (Moloka`i, Hawai`i)	Herbst & Wagner, 1999	
1507	<i>Bromus hordeaceus</i> L. subsp. <i>hordeaceus</i>	taxonomic change for <i>B. mollis</i>	Herbst & Clayton, 1998	
1508	<i>Bromus diandrus</i> Roth	taxonomic change for <i>Bromus rigidus</i> Roth; and new island (East Maui)	Herbst & Clayton, 1998; Herbarium Pacificum Staff, 1999	Herbst & Clayton believe it should be treated as a subsp. of <i>B. diandrus</i> , but combination not available
1506, 1508	<i>Bromus catharticus</i> Vahl	taxonomic change for <i>Bromus willdenowii</i> and new island (Kaua`i)	Lorence & Flynn, 1997; Herbst & Clayton, 1998	
1509	<i>Calamagrostis expansa</i> (Munro ex Hillebr.) Hitchc.	new island (Hawai`i)	Herbst & Clayton, 1998	
1512	<i>Cenchrus ciliaris</i> L.	new island (Midway)	Starr & Martz, 2000	
1512	<i>Cenchrus echinatus</i> L.	new island (Pearl and Hermes)	Starr et al., 2002	
1513	<i>Chloris truncata</i> R. Br.	new state (O`ahu, East Maui, Kaho`olawe)	Herbst & Wagner, 1999	
1513	<i>Cenchrus tribuloides</i> L.	new state (Kaho`olawe)	Lorence et al., 1995	
1513	<i>Eustachys petraea</i> (Sw.) Desv.	new state; taxonomic name change for <i>Chloris petraea</i>	Wagner & Herbst, 1995	
1514	<i>Chloris barbata</i> (L.) Sw.	new island (Kaho`olawe)	Herbst & Clayton, 1998	
1514	<i>Chloris divaricata</i> R. Br.	new island (Midway)	Starr & Martz, 2000	
1514	<i>Chloris divaricata</i> R. Br. var. <i>cynodontoides</i> (Balansa) Lazarides	new island (West Maui)	Oppenheimer, 2003	
1515	<i>Chloris gayana</i> Kunth	new island (Moloka`i)	Hughes, 1995	
1515	<i>Chloris radiata</i> (L.) Sw.	new island (Moloka`i)	Oppenheimer, 2003	
1515	<i>Chloris virgata</i> Sw.	new islands (Midway, Oah`u); earlier date of introduction	Starr & Martz, 2000; Herbst & Clayton, 1998; Imada et al., 2000; Oppenheimer et al., 1999	collected on O`ahu in 1851-1855 (<i>J. Rémy</i> 76, BISH)
1516	<i>Chrysopogon aciculatus</i> (Retz.) Trin.	new island (West Maui)	Oppenheimer et al., 1999	
1519	<i>Cortaderia jubata</i> (Lemoine) Stapf	newly naturalized (East Maui) and range extension (West Maui)	Loope & Medeiros, 1992; Meidell et al., 1998	previously on East Maui only

Page	Taxon	Type of Record	Citation	Comment
1519	<i>Cymbopogon refractus</i> (R. Br.) A. Camus	new islands (Ni`ihau, L~na`i)	Herbst & Clayton, 1998	
1520	<i>Cynodon aethiopicus</i> Clayton & J. R. Harlan	new state (O`ahu, Hawai`i)	Herbst & Clayton, 1998	
1520	<i>Cynodon dactylon</i> (L.) Pers.	new island (Moloka`i)	Herbst & Clayton, 1998	
1520	<i>Cynodon nemfuensis</i> Vanderyst	new state (Moloka`i, Hawai`i); new island (West Maui)	Herbst & Wagner, 1999; Oppenheimer, 2003	
1521	<i>Dactyloctenium aegyptium</i> (L.) Willd.	new islands (Midway, Kaua`i)	Wagner et al., 1997; Lorence & Flynn, 1997	
1522,	<i>Rytidosperma pilosum</i> (R. Br.) Connor & Edgar	taxonomic change for <i>Danthonia pilosa</i> and new island (East Maui)	Herbst & Clayton, 1998;	
1523			Herbst & Wagner, 1999	
1522	<i>Rytidosperma semiannulare</i> (Labill.) Connor & Edgar	new state (Maui) and taxonomic name change for <i>Danthonia semiannularis</i>	Herbst & Clayton, 1998	
1524	<i>Dichanthelium</i>	Maintain status as distinct from <i>Panicum</i> , molecular study included <i>D. koolauense</i>		
1526	<i>Dichanthelium koolauense</i> (H. St. John & Hosaka) C. A. Clark & Gould	new island (West Maui) as <i>Panicum koolauense</i>	Herbst & Clayton, 1998	
1528	<i>Dichanthium annulatum</i> (Forssk.) Stapf	new islands (Moloka`i, West Maui)	Hughes, 1995; Oppenheimer & Bartlett, 2002	
1528	<i>Dichanthium aristatum</i> (Poir.) Hubb.	new island (Kaho`olawe)	Herbst & Clayton, 1998	
1528	<i>Dichanthium tenue</i> (R. Br.) A. Camus	new islands (O`ahu, East Maui)	Herbst & Clayton, 1998	
1530	<i>Digitaria abyssinica</i> (A. Rich.) Stapf	new state (Kaua`i)	Herbst & Clayton, 1998	
1530	<i>Digitaria horizontalis</i> Willd.	new state (O`ahu, L~na`i)	Herbst & Wagner, 1999	
1530	<i>Digitaria eriantha</i> Steud.	taxonomic change for <i>Digitaria pentzii</i> ; new island (Kaua`i)	Herbst & Clayton, 1998; Staples et al., 2003	
1530	<i>Digitaria radicosa</i> (K. Presl) Miq.	new state (O`ahu, Kaua`i); new island (Hawai`i)	Herbst & Clayton, 1998; Staples et al., 2003	intended to be reported as new state in reference

Page	Taxon	Type of Record	Citation	Comment
1534	<i>Echinochloa oryzoides</i> (Ard.) Fritsch	misidentification as <i>Echinochloa stagnina</i> , new state (O`ahu)	Herbst & Clayton, 1998	
1534	<i>Echinochloa picta</i> (J. König) P.W. Michael	misidentification as <i>Echinochloa stagnina</i> , new state (O`ahu)	Herbst & Clayton, 1998	
1534	<i>Echinochloa crusgalli</i> (L.) P. Beauv.	misidentification as <i>Echinochloa walteri</i> , new state (O`ahu) and new island (Midway: Sand Is.)	Herbst & Clayton, 1998; Starr et al., 2002	
1535	<i>Echinochloa utilis</i> Ohwi & Yabuno	new state (East Maui)	Herbst & Clayton, 1998	volunteer in a grass plot, status as naturalized unknown
1536	<i>Ehrharta calycina</i> Sm.	new state (Hawai`i)	Herbst & Wagner, 1999	
1536	<i>Ehrharta erecta</i> Lam.	new state (East Maui)	Herbst & Clayton, 1998	Makawao only
1536	<i>Ehrharta stipoides</i> Labill.	new islands (Kaua`i, Kaho`olawe)	Lorence et al., 1995; Herbst & Clayton, 1998	
1537	<i>Entolasia marginata</i> (R. Br.) Hughes	new state (Hawai`i)	Flynn & Lorence, 1998	
1537	<i>Eragrostis ciliaris</i> (L.) R. Br.	new state (O`ahu)	Herbst & Wagner, 1999	
1538	<i>Eragrostis elongata</i> (Willd.) Jacq.	new state (Kaua`i, Hawai`i); new island (Moloka`i)	Lorence et al., 1995; Oppenheimer, 2003	
1538	<i>Eragrostis pilosa</i> (L.) P. Beauv.	new state and new islands, (Kaua`i, L~na`i), correction	Lorence et al., 1995; Herbst & Clayton, 1998	known only from Kaua`i and L~na`i, Moloka`i, Maui, and Hawai`i distributional records based on misidentified specimens
1538	<i>Eragrostis unioloides</i> (Retz.) Nees ex Steud.	new state (Hawai`i)	Herbst & Wagner, 1999	
1540	<i>Eragrostis brownei</i> (Kunth) Nees ex Steud.	new island (Kaua`i)	Lorence & Flynn, 1999	
1541	<i>Eragrostis curvula</i> (Schrad.) Nees	new state (O`ahu, Kaho`olawe), misidentification; new island (East Maui)	Herbst & Clayton, 1998; Oppenheimer, 2003	misidentified as <i>Leptochloa uninervia</i>
1541	<i>Eragrostis deflexa</i> Hitchc.	new island (West Maui)	Herbst & Clayton, 1998	
1542	<i>Eragrostis grandis</i> Hillebr.	new island (Kaho`olawe)	Herbst & Clayton, 1998	

Page	Taxon	Type of Record	Citation	Comment
1542	<i>Eragrostis leptostachya</i> (R. Br.) Steud.	taxonomic change and distributional status change to naturalized for <i>Eragrostis hosakai</i> ; new island (Maui)	Herbst & Clayton, 1998; Staples et al., 2002	<i>Eragrostis hosakai</i> was described from a naturalized population of this Australian grass
1542	<i>Eragrostis leptophylla</i> Hitchc.	new island (Kaho`olawe)	Herbst & Clayton, 1998	
1543	<i>Eragrostis brownii</i> (Kunth) Nees ex Steud.	taxonomic change and distributional status change to naturalized for <i>Eragrostis molokaiensis</i> H. St. John, a species described in 1988 as native	St. John, 1988; Herbst & Clayton, 1998	
1543	<i>Eragrostis parviflora</i> (R. Br.) Trin.	new state (Kaua`i)	Flynn & Lorence, 1998	
1544, 1545	<i>Eragrostis amabilis</i> (L.) Wight & Arn.	taxonomic name change from <i>E. tenella</i> ; new islands (Kaua`i, Moloka`i, Lana`i); distribution correction (Kure)	Lorence et al., 1995; Hughes, 1995; Oppenheimer, 2003; Starr et al., 2003	
1545	<i>Eragrostis pectinacea</i> (Michx.) Nees	new islands (Kaua`i, Moloka`i)	Lorence et al., 1995; Herbst & Clayton, 1998	
1545	<i>Eragrostis superba</i> Peyr.	new state (Hawai`i)	Herbst & Clayton, 1998	
1545	<i>Eragrostis tenuifolia</i> (A. Rich.) Steud.	new state (O`ahu, Hawai`i)	Herbst & Clayton, 1998	
1546	<i>Eriochloa punctata</i> (L.) Desv. ex Ham.	new islands (Moloka`i, West Maui)	Oppenheimer, 2003	
1547	<i>Festuca arundinacea</i> Schreb.	new islands (Kaua`i, East Maui)	Wagner et al., 1997; Oppenheimer, 2003	
1547	<i>Festuca rubra</i> L.	new island (Kaua`i)	Wagner et al., 1997	
1548	<i>Garnotia acutigluma</i> (Steud.) Ohwi	new island (Kaua`i)	Lorence & Flynn, 1999	
1551	<i>Holcus lanatus</i> L.	range extension (West Maui)	Oppenheimer et al., 1999	
1552	<i>Hordeum brachyantherum</i> Nevski	new state (Hawai`i)	Herbst & Clayton, 1998	
1552, 1553	<i>Hordeum murinum</i> Huds. subsp. <i>leporinum</i> (Link) Arcang.	taxonomic change for <i>Hordeum leporinum</i>	Herbst & Clayton, 1998	<i>Hordeum murinum</i> Huds. subsp. <i>murinum</i> has apparently not been documented from the Hawaiian Is.
1552	<i>Hordeum vulgare</i> L.	new state (Kaua`i, O`ahu, Maui, Hawai`i)	Herbst & Wagner, 1999	

Page	Taxon	Type of Record	Citation	Comment
1554	<i>Hyparrhenia dregeana</i> (Nees) Stent	new state (L~na`i)	Herbst & Wagner, 1996	
1554	<i>Hyparrhenia hirta</i> (L.) Stapf	new state (L~na`i, Moloka`i)	Wagner & Herbst, 1995	
1556	<i>Ischaemum byrone</i> (Trin.) Hitchc.	new island (Kaua`i, O`ahu)	Lorence et al., 1995; Imada et al., 2000	
1557	<i>Ischaemum timorense</i> Kunth	new state (East Maui)	Herbst & Wagner, 1996	
1557	<i>Koeleria macrantha</i> (Ledeb.) Schult.	taxonomic change for <i>Koeleria nitida</i>	Herbst & Clayton, 1998	
1558, 1559	<i>Leptochloa fusca</i> (L.) Kunth subsp. <i>uninervia</i> (J. Presl) N. Snow	geographical and author corrections; taxonomic change for <i>L. uninervia</i> ; new islands (Midway, Lana`i)	Warren & Herbst, 1994; Herbst & Clayton, 1998; Imada et al., 2000; Starr & Martz, 2000; Oppenheimer, 2003	not known from Kaho`olawe; records based on misidentified <i>Eragrostis curvula</i>
1560	<i>Leymus triticoides</i> (Buckley) Pilg.	new state (Hawai`i)	Herbst & Clayton, 1998	
1560	<i>Lolium tementulum</i> L.	new state (O`ahu)	Herbst & Wagner, 1999	
1559, 1561	<i>Lolium multiflorum</i> Lam.	new island (Moloka`i)	Herbst & Clayton, 1998	
1561	<i>Lolium perenne</i> L.	new island (East Maui)	Starr et al., 2003	
1562	<i>Muhlenbergia mexicana</i> (L.) Trin.	new state (East Maui)	Herbst & Clayton, 1998	
1563	<i>Oplismenus compositus</i> (L.) P. Beauv.	new island (West Maui)	Oppenheimer, 2003	
1567	<i>Panicum antidotale</i> Retz.	new island (Maui)	Starr et al., 2003	
1567	<i>Panicum coloratum</i> L.	correction	Herbst & Clayton, 1998	known only from cultivation in experimental grass plots; not naturalized
1568	<i>Panicum fauriei</i> Hitchc. var. <i>carteri</i> (Hosaka) Davidse	new island (L~na`i)	Herbst & Clayton, 1998	
1568	<i>Panicum fauriei</i> Hitchc. var. <i>fauriei</i>	new island (L~na`i)	Herbst & Clayton, 1998	
1568	<i>Panicum konaense</i> Whitney & Hosaka	new island (Kaua`i)	Lorence et al., 1995	
1569	<i>Panicum longivaginatum</i> H. St. John	new species (Hawai`i)	St. John, 1987e; Herbst & Clayton, 1998,	rare

Page	Taxon	Type of Record	Citation	Comment
1569	<i>Panicum maximum</i> Jacq.	new island (Midway: Sand Is.)	Starr et al., 2002	
1570	<i>Panicum miliaceum</i> L.	new island (Kaua`i)	Lorence & Flynn, 1997	
1570	<i>Panicum niihauense</i> H. St. John	new island (Kaua`i)	Lorence et al., 1995	
1571	<i>Panicum pellitum</i> Trin.	new island (Ni`ihau)	Herbst & Clayton, 1998	
1571	<i>Panicum repens</i> L.	new island (East Maui)	Starr et al., 2002	
1573	<i>Panicum tenuifolium</i> Hook. & Arn.	new island (Kaua`i)	Herbst & Clayton, 1998	
1574	<i>Paspalidium distans</i> (Trin.) Hughes	new state (Ni`ihau)	Herbst & Clayton, 1998	
1575	<i>Paspalum distichum</i> L.	new state (Kaua`i, O`ahu)	Herbst & Wagner, 1999	
1575	<i>Paspalum paniculatum</i> L.	new state (O`ahu, Hawai`i)	Herbst & Wagner, 1999	
1572,	<i>Paspalum fimbriatum</i> Kunth	new islands (Moloka`i, East Maui) and range extension (West Maui)	Starr et al., 2002;	
1576			Oppenheimer, 2003	
1576	<i>Paspalum longifolium</i> Roxb.	new state (Kaua`i)	Staples et al., 2003	
1576	<i>Paspalum macrophyllum</i> Kunth	new state (Hawai`i)	Herbst & Clayton, 1998	
1576	<i>Paspalum notatum</i> Flüggé	new state (Kaua`i)	Lorence & Flynn, 1999	
1577	<i>Paspalum setaceum</i> Michx.	new state (Midway)	Starr & Martz, 2000	
1577	<i>Paspalum vaginatum</i> Sw.	new islands (West Maui, Moloka`i)	Herbarium Pacificum Staff, 1999; Oppenheimer, 2003	
1578	<i>Pennisetum clandestinum</i> Chiov.	new islands (Kaua`i, Moloka`i)	Hughes, 1995; Wagner & Herbst, 1995	
1579	<i>Pennisetum complanatum</i> (Nees) Hemsl.	new state (O`ahu, L~na`i, Hawai`i)	Herbst & Clayton, 1998	
1579	<i>Pennisetum polystachion</i> (L.) Schult.	new island (East Maui); range extension (West Maui)	Starr et al., 2002; Starr et al., 2003	
1579	<i>Pennisetum purpureum</i> Schumach.	new island (Moloka`i)	Oppenheimer, 2003	
1581	<i>Pennisetum villosum</i> R. Br.	new state (Hawai`i)	Herbst & Clayton, 1998	
1582	<i>Phyllostachys aurea</i> Rivière & C. Rivière	newly naturalized (O`ahu)	Staples et al., 2002	

Page	Taxon	Type of Record	Citation	Comment
1584	<i>Poa mannii</i> Munro ex Hillebr.	rediscovery (Kaua`i)	Lorence et al., 1995	
1585	<i>Polypogon interruptus</i> Kunth	new island (Kure)	Wagner & Herbst, 1995	
1585	<i>Polypogon fugax</i> Nees	new state (O`ahu), correction: a specimen misidentified by Hitchcock (1922) as <i>P. lutosus</i> , a synonym of <i>P. interruptus</i>	Herbst & Clayton, 1998	not known if naturalized
1587,	<i>Melinus repens</i> (Willd.) Zizka	taxonomic change for <i>Rynchelytrum repens</i>	Herbst & Clayton, 1998	
1588				<i>Rynchelytrum</i> included within <i>Melinus</i>
1589	<i>Sacciolepis indica</i> (L.) Chase	new island (L~na`i)	Herbarium Pacificum Staff, 1999	
1590	<i>Schizachyrium scoparium</i> (Michx.) Nash	new state (Kaua`i) in 1995 and new island (O`ahu) in 1998	Lorence et al., 1995; Herbst & Clayton, 1998	
1592	<i>Setaria palmifolia</i> (J. König) Stapf	new island (Kaua`i)	Staples et al., 2003	
1592	<i>Setaria parviflora</i> (Poir.) Kerguélen	taxonomic change for <i>Setaria gracilis</i> ; earlier date of introduction	Herbst & Clayton, 1998; Imada et al., 2000	collected on Kaua`i in 1851-1855 (<i>J. Rémy</i> 106, BISH)
1593	<i>Setaria sphacelata</i> Staph & Hubb. ex H. B. Moss	newly naturalized (East Maui)	Starr et al., 2002	
1594	<i>Sorghum bicolor</i> (L.) Moench	new island (West Maui)	Oppenheimer, 2003	
1594	<i>Sorghum ×drummondii</i> (Steud.) Millsp. & Chase	newly naturalized (O`ahu, L~na`i)	Herbst & Clayton, 1998	
1596	<i>Sporobolus africanus</i> (Poir.) Robyns & Tournay	new island (Kaho`olawe)	Herbst & Clayton, 1998	
1596	<i>Sporobolus diander</i> (Retz.) P. Beauv.	new island (Kaua`i)	Lorence & Flynn, 1997	
1596	<i>Sporobolus pyramidatus</i> (Lam.) Hitchc.	newly naturalized in 1995 (Kure, Laysan, French Frigate Shoals, O`ahu)	Wagner & Herbst, 1995	
1597	<i>Sporobolus pyramidalis</i> P. Beauv.	new state (Hawai`i)	Herbst & Clayton, 1998	
1597	<i>Sporobolus elongatus</i> R. Br.	new state (Lan~i)	Herbst & Clayton, 1998	

Page	Taxon	Type of Record	Citation	Comment
1597	<i>Sporobolus indicus</i> R. Br.	correction	Herbst & Clayton, 1998	all collections from Maui and Kaho`olawe are misidentified specimens of <i>S. africanus</i> ; <i>S. indicus</i> has not been documented from either island
1597	<i>Sporobolus piliferus</i> (Trin.) Kunth	new state (Hawai`i)	Herbst & Clayton, 1998	
1595, 1598	<i>Stenotaphrum secundatum</i> (Walter) Kuntze	new island (East Maui) and range extension (West Maui)	Oppenheimer & Bartlett, 2000; Oppenheimer & Bartlett, 2002	
1598, 1600	<i>Nassella cernua</i> (Stebbins & Á. Löve)	taxonomic change from <i>Stipa cernua</i> Stebbins & Á. Löve	Barkworth, 1990	
1602	<i>Trisetum flavescens</i> (L.) P. Beauv.	new state (East Maui)	Herbst & Clayton, 1998	
1602	<i>Trisetum glomeratum</i> (Kunth) Trin.	correction	Herbst & Clayton, 1998	<i>T. glomeratum</i> is not on L~na`i; all documentation based on misidentified specimens of <i>T. inaequale</i>
1604	<i>Zoysia matrella</i> (L.) Merr. var. <i>pacifica</i> Goudsw.	newly naturalized (Kaua`i)	Flynn & Lorence, 1998	
1606	<i>Monochoria vaginalis</i> (Burm. f.) K. Presl	new island (Hawai`i)	Wagner & Herbst, 1995	
1608	<i>Stuckenia pectinata</i> (L.) Börner	Taxonomic change for <i>Potamogeton pectinatus</i> and new island (Hawai`i)	Wagner & Herbst, 1995; Les & Haynes, 1997; Haynes et al., 1998; Herbst, 1998	<i>Coleogeton</i> raised from subgeneric to generic level as <i>Coleogeton pectinatus</i> (L.) Les & Haynes, but earlier generic name <i>Stuckenia</i> was already available with the same type
1611, 1614	<i>Typha latifolia</i> L.	new island (Hawai`i)	Staples et al., 2003	
1618	<i>Alpinia zerumbet</i> (Pers.) B. L. Burtt & R. M. Sm.	newly naturalized (Kaua`i)	Flynn & Lorence, 2002	
1619, 1623	<i>Zingiber zerumbet</i> (L.) Sm. <i>Adenophorus</i>	new island (Hawai`i)	Oppenheimer, 2003 Ranker et al., 2003	There is one colonist for the species of this genus

TABLE 2: New Family Classification

OldFamily	NewFamily	Genus
Agavaceae	Hemerocallidaceae	<i>Phormium</i>
Agavaceae	Ruscaceae	<i>Pleomele</i>
Agavaceae	Ruscaceae	<i>Sansevieria</i>
Aloeaceae	Asphodelaceae	<i>Aloe</i>
Apiaceae	Araliaceae	<i>Hydrocotyle</i>
Asclepiadaceae	Apocynaceae	<i>Asclepias</i>
Asclepiadaceae	Apocynaceae	<i>Hoya</i>
Asclepiadaceae	Apocynaceae	<i>Stapelia</i>
Buddlejaceae	Scrophulariaceae	<i>Buddleia</i>
Capparaceae	Brassicaceae	<i>Capparis</i>
Capparaceae	Brassicaceae	<i>Cleome</i>
Caprifoliaceae	Adoxaceae	<i>Sambucus</i>
Cecropiaceae	Urticaceae	<i>Cecropia</i>
Cuscutaceae	Convolvulaceae	<i>Cuscuta</i>
Epacridaceae	Ericaceae	<i>Leptecophylla</i>
Euphorbiaceae	Phyllanthaceae	<i>Antidesma</i>
Euphorbiaceae	Phyllanthaceae	<i>Bischofia</i>
Euphorbiaceae	Phyllanthaceae	<i>Breynia</i>
Euphorbiaceae	Phyllanthaceae	<i>Flueggea</i>
Euphorbiaceae	Phyllanthaceae	<i>Phyllanthus</i>
Flacourtiaceae	Salicaceae	<i>Dovyalis</i>
Flacourtiaceae	Salicaceae	<i>Xylosma</i>
Hydrophyllaceae	Boraginaceae	<i>Nama</i>
Lemnaceae	Araceae	<i>Landoltia</i>
Lemnaceae	Araceae	<i>Lemna</i>
Lemnaceae	Araceae	<i>Spirodela</i>
Lemnaceae	Araceae	<i>Wolffia</i>
Liliaceae	Asparagaceae	<i>Asparagus</i>
Liliaceae	Asteliaceae	<i>Astelia</i>
Liliaceae	Hemerocallidaceae	<i>Dianella</i>
Liliaceae	Amaryllidaceae	<i>Hippeastrum</i>
Liliaceae	Amaryllidaceae	<i>Zephyranthes</i>
Primulaceae	Myrsinaceae	<i>Anagallis</i>
Primulaceae	Myrsinaceae	<i>Lysimachia</i>
Scrophulariaceae	Plantaginaceae	<i>Antirrhinum</i>
Scrophulariaceae	Plantaginaceae	<i>Bacopa</i>
Scrophulariaceae	Orobanchaceae	<i>Buchnera</i>
Scrophulariaceae	Orobanchaceae	<i>Castilleja</i>
Scrophulariaceae	Plantaginaceae	<i>Cymbalaria</i>
Scrophulariaceae	Plantaginaceae	<i>Dopatrium</i>
Scrophulariaceae	Plantaginaceae	<i>Hebe</i>
Scrophulariaceae	Plantaginaceae	<i>Linaria</i>
Scrophulariaceae	Plantaginaceae	<i>Lindernia</i>
Scrophulariaceae	Plantaginaceae	<i>Lophospermum</i>
Scrophulariaceae	Plantaginaceae	<i>Maurandya</i>

OldFamily	NewFamily	Genus
Scrophulariaceae	Orobanchaceae	<i>Orthocarpus</i>
Scrophulariaceae	Orobanchaceae	<i>Parentucellia</i>
Scrophulariaceae	Plantaginaceae	<i>Torenia</i>
Scrophulariaceae	Plantaginaceae	<i>Veronica</i>
Sterculiaceae	Malvaceae	<i>Melochia</i>
Sterculiaceae	Malvaceae	<i>Waltheria</i>
Taccaceae	Dioscoreaceae	<i>Tacca</i>
Tiliaceae	Malvaceae	<i>Helicocarpus</i>
Tiliaceae	Malvaceae	<i>Triumfetta</i>
Ulmaceae	Cannabaceae	<i>Trema</i>
Verbenaceae	Lamiaceae	<i>Clerodendrum</i>
Verbenaceae	Lamiaceae	<i>Vitex</i>

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