
by

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Northern Marshall Islands Expedition, 1951-1952. Land biota: Vascular plants.\textsuperscript{1,2}

by

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Following the narrative of the expedition to the northern Marshalls made in 1951 and 1952, it seems worth while to present the raw data collected in a series of preliminary papers, to make them available for general use and reference without waiting until they are completely studied and interpreted. Formal publication of a more permanent character is planned as detailed studies are completed. This paper presents distributional and ecological records, as well as native names, of the vascular plants collected on the expedition. To these have been added records from the author's 1946 and 1950 collections, a few Wake Island collections made in 1953, and a few miscellaneous collections by others. Other significant collections from the northern Marshalls, not included here, are those of Mr. Randolph Taylor, published by him in his "Plants of Bikini," those made by Adelbert de Chamisso while on the Kotschue Expedition, and those made on several trips by Harold St. John, mostly as yet unpublished.

The Marshallese plant names are recorded here in the form in which they were written down in the field, an attempt being made to reproduce the sounds as heard. Thus, they include, sometimes, a number of variants of the same word which simply indicate differences in the way the word was heard. No attempt has been made to edit these names according to any of the existing Marshallese orthographies. As this series of papers is intended to preserve raw data, it is felt that the names will be of more use exactly as recorded. When a definitive flora of the Marshalls is written, a more satisfactory orthographic form should be sought.

Place names are given as they appear on the labels of the collections, with an occasional correction given in parentheses. Thus the localities for the 1946 and 1950 collections are given, generally, as on the Hydrographic Office charts, whereas those for the 1951 and 1952 collections are given according to the revised list of names supplied by Mr. E. H. Bryan and Mr. Leonard Mason of Honolulu, as a result of their work on the Marshall Islands Atlas (unpublished).

The determinations of the plants are all by the author. They represent the present state of the taxonomy of these species. Some of them are in need of revision and may later be changed. All of the Marshallese Pandanus are here referred to P. tectorius Parkinson, as the numerous "species" that have been described or recorded from these islands are considered to be, actually, nothing more than horticultural forms and genetic segregates. One or two plants are determined to genus only, either because the species has not yet been described, or because the material
available or the state of the classification is such that convincing specific identification is at present impossible. No new taxa are described and no nomenclatural changes are made in this paper.

Collection numbers cited are from the author's consecutive series except those few definitely ascribed to other collectors. This series applies only to plants.

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**Polypodium scolopendria** Burm.f.


Indigenous. Common, mainly terrestrial but found also on the bases of coconut trees and, more rarely, on the lower trunks of other trees, principally in coconut plantations and mixed forest. Marshallese: "kino."

**Pandanus tectorius** Park.


Of aboriginal introduction (?). Many varieties, both wild and planted, the latter used as food and thatch. The varieties differ mainly in fruit size, shape, juiciness, flavor, and other edible qualities. Planted forms usually around villages and forming a second story in coconut groves, wild ones in mixed forest, rarely in pure stands. Marshallese: "bop."

**Thalassea hemprichii** (Ehrb.) Aschers.

Ujelang Atoll: Ujelang Islet, 34189.

Indigenous. Forms a thin sod at low tide level on lagoon beach on the east end of Ujelang Islet, Ujelang Atoll; otherwise unknown in the northern Marshalls.

**Cenchrus brownii** R. & S.

Wake Atoll: Feale Islet, 34929.

Introduced weed. Common locally.

**Cenchrus echinatus** L.


Introduced weed. In open, sandy disturbed areas, especially around villages and military establishments, and in thin coconut plantations. In places very abundant. Marshallese: "lek e lek."
Chloris inflata Link

Introduced weed. In disturbed places where there have been military operations.

Cynodon dactylon (L.) Pers.

Introduced weed. Common in open places around military establishments. Persisting from plantings made in 1945-46, when there was concern about revegetation of the devastated areas.

Dactyloctenium aegyptium (L.) Richt.

Introduced weed. Occasional in open disturbed places around military establishments.

Digitaria microchne (Presl) Henr.

Introduced (?) weed. Occasional to common in coconut plantations.

Marshallese: "ujoi,juos kulului," "inikan pueue."

Digitaria timorensis (Kunth) Balb.

Introduced weed. Villages and plantations. Marshallese: "ujoi,ju.""}

Eleusine indica (L.) Gaertn.

Introduced weed. Common around villages and in disturbed places. Marshallese: "ujoi,ju." A giant form occasional in openings in coconut plantations on Jemo Island (33870) is possibly only a response to abundant phosphate in soil.

Eragrostis amabilis (L.) W.A.
Introduced weed. Very common around villages, in disturbed places, and in coconut groves. Marshallese: "ujoi," "ujos."

{\textit{Eragrostis poaeoides}} Beauv.

Wake Atoll: Wake Islet, 34458.

Introduced weed. On bare ground near air strip. Not previously known from the Pacific Islands.

{\textit{Lepturus repens}} (Foit, f.) R. Br.


Indigenous. A very common grass, found in open places, in plantations and forests, but mostly confined to places with at least some sand or fine gravel. Extremely variable in habit and luxuriance, with great latitude in tolerance of different moisture conditions. Pioneer species on newly deposited sand and fine gravel. Marshallese: "ujoi," "ujos aitok." (Eniivetok), "ujuj."

{\textit{Lepturus sp.}} 1/


Indigenous. A form with extremely coarse habit. Probably a distinct species, found only very locally on open gravel, growing with, but not intergrading with, {\textit{Lepturus repens}}. Apparently endemic to Pokaa and Wake Atolls. Common on Pokaa only on a part of Kamone Islet, and on Wake only in a small area on the west end of Peale Islet.

{\textit{Paspalum vaginatum}} Sw.


Introduced weed. In open places and especially luxuriant in taro pits. An aggressive weed, recently introduced but spreading rapidly, forming a dense tough sod. Possibly responsible for the failure of the revival of tao culture in the northern Marshalls.

{\textit{Setaria verticillata}} (L.) Beauv.


Introduced weed. In disturbed places, not yet common.

{\textit{Sorghum vulgare var. technicum}} (Koern.) Fiori & Paoli

Eniivetok Atoll: Engebe Islet, 24383.

Introduced. Apparently persisting from planting by Japanese, rare when collected, probably not a permanent member of the flora.

Stenotaphrum micranthum (Desv.) Hubb.
Utjelaq Atoll: Utjelaq Islet, 34200, 34201.
Introduced weed. A widespread but not common Pacific species, found here for the first time in the Marshall Islands, growing along paths in coconut plantation.

Thuarea involuta (Forst.) R. & S.
Indigenous. In sandy places, shaded or in the open, locally very common, forming a soft green ground cover. Marshallese: "ujolj," "ujuy," "ujos marorc" (Eniwetok).

Tricachne insularis (L.) Nees
Introduced weed. Occasional in disturbed places around abandoned military installations.

Cyperus compressus L.
Kwajalein Atoll: Kwajalein Islet, 31189.
Introduced weed in disturbed places.

Cyperus javanicus Houtt.
Likiep Atoll: Likiep Islet, 33859, 26989.
Indigenous(?). Rare around village. Marshallese: "sāpāsāp."

Cyperus odoratus L.
Introduced (?). weed. Common in taro pits and other wet places.

Cyperus rotundus L.
Kwajalein Atoll: Kwajalein Islet, 31200. Wake Atoll: Peale Islet, 34933; Wake Islet, 34948.
Introduced weed in gardens.

Eleocharis geniculata (L.) R. & S.
Introduced (?) weed. In taro pits.

Fimbristylis spathacea Roth

**Cocos nucifera L.**
Introduced. Planted in large numbers on all atolls except Pokak and Wake. Dominant in the most extensive vegetation type. Marshallese "ni."

**Alocasia macrorrhiza (L.) Schott**
Of aboriginal introduction. Planted around villages, and spontaneous in coconut plantations, also a weed in taro pits. Marshallese: "wot," "wat."

**Colocasia esculenta (L.) Schott**
Lae Atoll: Lae Islet, 34013.
Of aboriginal introduction. Rare, persisting in taro pits. Marshallese: "katak."

**Cyrtosperma chamissonis (Schott) Merr.**
Of aboriginal introduction. Planted and persisting in taro pits. Marshallese: "iarij or "iarej."

**Rhoeo discolor (L'Her.) Hance**
Ailuk Atoll: Ailuk Islet, 33974.
Introduced. Rare garden plant.

**Agave sisalana Perr.**
Jeno Island: 33862. Likiep Atoll: Aikini (Aekone) Islet, 27050 (?).
Introduced. Rarely planted.

**Crinum procerum Carey**
Ailuk Atoll: Ailuk Islet, 33956. Wofo Atoll: Wofo Islet, 34278, 34225 (?).
Of aboriginal introduction (?). Widely planted and persisting. Marshallese: "kiep," "kieb."

**Crinum rumphi Merr.**
Ujelang Atoll: Ujelang Islet, 34311 (?); Bock Islet, 34345.
Of aboriginal introduction (?). Widely planted and persisting. Marshallese: "kiep," "kieb."

**Crinum asiaticum L. (?)**
Likiep Atoll: Likiep Islet, 27001.
Introduced. Planted. Marshallese: "kieb."
Hymenocallis littoralis (Jacq.) Salisb.
Aliuk Atoll: Aliuk Islet, 33976. Lae Atoll: Lae Islet, 34093.

Zephyranthes rosea (Spreng.) Lind.
Likiep Atoll: Likiep Islet, 27033.
Introduced. Planted around dwellings.

Tacca leontopetaloides (L.) O.Ktze.
Of aboriginal introduction (?). Abundant and spontaneous in coconut plantations, especially so on Utirik and Aliuk Atolls. Tubers used for food, especially in northern atolls. Marshallese: "mokemok," "mokmok."

Musa sapientum L.
Introduced. Planted in shaded and sheltered places, especially on Ujae. Becoming chlorotic when exposed to salt spray. Marshallese: "banana."

Peperomia sp.
Lae Atoll: Lae Islet, 34027.
Indigenous. Very rare, one colony on rocks in Barringtonia forest: first record from northern Marshalls. Marshallese: "tabikiaga."

Fleurya ruderalis (Forst.) Gaud. ex Wedd.
Indigenous. Common locally, especially in very rocky places with little soil, principally in the shade but also in full sun. Marshallese: "nen kutekut."

Pipturus argenteus (Forst.) Wedd.
Indigenous. Common in mixed forest and thickets, as well as in undergrowth in coconut plantations in the southern tier of atolls of the northern Marshalls. Marshallese: "armeg," "armee," or "arume."

Artocarpus altilis (Park.) Fosb.
Ujae Atoll: Bock Islet, 34361; Ujae Islet, 34417. Eniwetok (Oakley).

Introduced. Planted, the seeded form possibly spontaneous, around
villages and houses and in coconut plantations on the lagoonward half
or two thirds of islets, especially from Ailuk south. Two forms, one with
seeds, the other seedless. Trees were found growing within 15 m. of
passage and lagoon beaches, without apparent ill effects. None were found
close to the outer beach. Marshallese: "mē, "mē, "mē, "mē, "mē, "mē, "mē, "mē.

Ximenia americana L.
Utirik Atoll: Utirik Islet, 33931. KwaJaein Atoll: Aojew Islet, 24374,

Coccoloba uvifera L.
Wake Atoll: Wake Islet, 34471; Peale Islet, 34935. Kwajalein Atoll:
Bokan Islet, 34320.

Introduced. Occasionally planted around American installations.

Boerhavia diffusa L.
Wake Atoll: Wake Islet, 33626, 34453, 34946. Utirik Atoll: Utirik
Islet, 33931. Taka Atoll: Taka Islet, 33743, 33748; Watwerok Islet,
33765. Ailuk Atoll: Ailuk Islet, 33931. Kwajalein Atoll: Eniwetok Islet,
34136. Taka Atoll: Taka Islet, 34320; Japten Islet, 24334; Aimon Islet, 24356.
Enewetok Atoll: Likiep Islet, 27057. Marshallese: "matok" (Enewetok), "rebjiraka, "rebjiraka.

Boerhavia form with leaves as in B. mutabilis R. Br.
Wake Atoll: Wake Islet, 34947.

Introduced? Common locally on coral sand and gravel.

Boerhavia tetrandra Forst.f.
Utirik Atoll: Utirik Islet, 33644. Taka Atoll: Taka Islet, 33746;
Watwerok Islet, 33761, 33762 (hybrid?), Jamo Island: 33881. Ailuk
Atoll: Ailuk Islet, 33937. Lae Atoll: Bikenaj Islet, 34074, 34076. Ujelang
Atoll: Eokan Islet, 34163. Wotho Atoll: Wotho Islet, 34277. Ujae Atoll:
Islet, 24362; Engebe Islet, 24394. Likiep Atoll: Aikini (Aeköne) Islet,
27057.

Indigenous. Common in rocky or gravelly, even sandy places,
especially in the open, also in open coconut groves. Apparently inter-
grades or hybridizes with B. diffusa (33746, 34074, 34076, 24362, 24394, 27057
and 33881). Marshallese: "matok, "perial, "matok aitok" (Enewetok).

Mirabilis jalapa L.
Introduced. Planted in gardens and around houses and graves.

*Pisonia grandis* R.Br.

- Indigenous. Frequent tree in mixed forests, usually away from direct exposure to wind. Important in forming pure stand forests. Favoried by birds for roosting and nesting. Marshallese: "kangl," "kangae" (Eniwetok).

*Achyranthes aspera* L.
Eniwetok Atoll: Acon Islet, 24,348.

- Introduced weed. Rare in disturbed places. Marshallese: "kaleklek."

*Achyranthes canescens* R. Br.

- Indigenous. Very local in scrub on drier islets.

*Amaranthus dubius* Mart.

- Introduced weed. Common around military installations.

*Amaranthus spinosus* L.

- Introduced weed. Infrequent around military installations.

*Amaranthus viridis* L.

- Introduced weed. Infrequent around military installations.

*Gomphrena globosa* L.
Ujae Atoll: Ujae Islet, 34,294.

- Introduced. Rare in gardens.

*Portulaca lutea* Sol.

- Indigenous. Abundant in the northern atolls, less so southward, in open sandy or gravelly places and under trees where other ground cover is not thick. Pioneer on new sand and gravel bars, beaches, and typhoon-stripped areas. Marshallese: "purya," "kirar."
Portulaca oleracea L.
Engebe Islet, 24408. Kwajalein Atoll: Kwajalein Islet, 26491; Bennett
(Bikej) Islet, 26500.
Introduced weed. Common in sandy places around villages and in
disturbed places.

Portulaca samoensis v. Poein.
Likiep Islet, 27005. Ailuk Atoll: Ailuk Islet, 33940. Ujje Atoll:
Ujje Islet, 34216. Wake Atoll: Wake Islet, 34460. Eniwetok Atoll:
Eniwetok Islet, 24297; Japta Islet, 24323; Engebe Islet, 24400. Kwajalein
Atoll: Kwajalein Islet, 26497, 26513.
Introduced (?) weed. Common in sandy open or disturbed places.
Marshallese: "mat'to," "bujang."

Sesuvium portulacastrum L.
Wake Atoll: Wake Islet, 34461.
Indigenous. Common on open saline flats.

Cassytha filiformis L.
Jemo Island: 33889. Ailuk Atoll: Ailuk Islet, 33940, Lao Atoll: Lao Islet,
34080. Ujje Atoll: Ujje Islet, 34172. Wotho Atoll: Wotho Islet,
34266. Ujje Atoll: Bock Islet, 34330. Eniwetok Atoll: Eniwetok Islet,
24288; Igurin Islet, 24313; Japta Islet, 24323; Amon Islet, 24365.
Kwajalein Atoll: Bennett (Bikej) Islet, 26497, Likiep Atoll: Likiep Islet,
27009.
Indigenous. Common generally in openings, in open coconut groves,
and in loose scrub, parasitizing grasses, shrubs and even small trees;
forming loose mats covering vegetation. Marshallese: "kaanin," "keni,"
"kenen," "kānun."

Hernandia sonora L.
Lae Atoll: Lao Islet, 33977, Loj Islet, 34041. Ujje Atoll:
Indigenous. Rare in mixed forest, and in coconut groves. Seedling
found in germinated beach drift at top of beach (33997). Marshallese:
"pingiping," "bing bing."

Brassica sp.
Eniwetok Atoll: Engebe Islet, 24388.
Rare, persisting after cultivation, probably has now disappeared.

Lepidium o-waathiense Chûn. & Schlecht.
Wake Atoll: Peale Islet, 34890.
Indigenous. Very common locally on steep banks of "Lake Peale."

Bryocephillum pinnatum (Lam.) Kurz
Likiep Atoll: Lado Islet, 33890.
Introduced. Planted in garden.
**Caesalpinia pulcherrima** (L.) Sw.
Likiep Atoll: Likiep Islet, 27031.
Introduced. Rare, planted in gardens.

**Caesalpinia bonduc** (L.) Roxb. (?)
Ujae Atoll: Alle Islet, 34416.
Indigenous. Rarely seen as seedling from drift seeds; seems not to persist in northern Marshalls.

**Caesalpinia major** (Medic.) Dandy & Excell (?)
Lae Atoll: Lae Islet, 34034.
Rarely seen as seedling from drift seeds; seems not to persist in northern Marshalls.

**Canavalia microcarpa** (DC.) Piper

**Cassia occidentalis** L.
Ujelang Atoll: Ujelang Islet, 34184.
Introduced. Persisting after planting by Japanese; said to have been used by them as coffee substitute.

**Desmodium canum** (Gmel.) Schinz & Thell.
Kwajalein Atoll: Kwajalein Islet, 34125.
Introduced weed. Common around military establishment on Kwajalein. When clipped makes fairly attractive lawn.

**Erythrina variegata** var. **orientalis** (L.) Merr.
Likiep Atoll: Likiep Islet, 27045.
Introduced. Rarely planted.

**Intsia bijuga** (Clebr.) Ktze.
Lae Atoll: Lae Islet, 33995; Bikenaj Islet, 34077; Bikelabet Islet, 34079; Enemanman Islet, 34099; Wotoho Atoll: Wotoho Islet, 34246. Ujae Atoll: Bock Islet, 34317; Wojia Islet, 34387.
Indigenous. Component of mixed forest on southern atolls of northern Marshalls. Marshallese: "kubuk."

**Leucaena glauca** (L.) Benth.
Introduced. Persisting after cultivation. Rare around former Japanese establishments. Sets seed but seems not to establish itself in northern Marshalls. Hawaiian: "koa haole."
Sophora tomentosa L.
Likiep Atoll: Aikini (Ae'ione) Islet, 27065.
Indigenous (?). Along lagoon sides of islets, just back of beaches in edges of coconut plantations, not common. Marshallese: "kile," "kuli."

Vigna marina (Burm.) Merr.
Kwajalein Atoll: Bennett (Bikej) Islet, 26521.
Indigenous. Common ground cover in coconut groves; climbing in bushes in mixed forest, pioneer on cleared areas and on new sand and gravel bars. Roots bear bacterial nodules. Marshallese: "marukumenjojo," "marlap" (Ujelang).

Tribulus cistoides L.
Eniwe tok Atoll: Engebe Islet, 24403.
Introduced. (?) weed. Rare on open sand; probably introduced accidentally with military equipment.

Citrus aurantifolia (Christm.) Swingle
Ujae Atoll: Ujae Islet, 34303 (?). Likiep Atoll: Aikini (Ae'ione) Islet, 27051.
Introduced. Rarely planted in villages.

Soulamea amara L.

Suriana maritima L.

Acalypha godseffiana Mast.
Likiep Atoll: Likiep Islet, 27022.
Introduced. Rarely planted; does not appear healthy.

Acalypha hispida Burm.f.
Likiep Atoll: Likiep Islet, 27027.
Introduced. Rarely planted; does not appear healthy.

Acalypha wilkesiana M.-A.
Ailuk Atoll: Ailuk Islet, 33977. Lae Atoll: Lae Islet, 34097.
Introduced. Uncommon in villages, does not appear healthy.
Codiaeum variegatum (L.) Bl.
Likiep Atoll: Likiep Islet, 27024.
Introduced. Rarely planted.

Euphorbia chrysamoides Bois.
Utirik Atoll: Utirik Islet, 33662. Likiep Atoll: Lado Islet, 33793;
Likiep Islet, 27012. Ailuk Atoll: Ailuk Islet, 33921. Lae Atoll: Ennerman
Islet, 34232. Ujae Atoll: Rock Islet, 34329. Eniwetok Atoll: Eniwetok
Islet, 24,286; Engebe Islet, 24,385. Kwajalein Atoll: Kwajalein Islet, 26470.

Indigenous. In coconut grooves, dominant in ground cover in many

Euphorbia heterophylla L.
Utirik Atoll: Utirik Islet, 33672. Likiep Atoll: Lado Islet, 33842;
Kwajalein Atoll: Kwajalein Islet, 31162, 26482.

Introduced weed. Common in disturbed places, abundant locally,
especially so on Wake Atoll. Marshallese: "nukuni."

Euphorbia hirta L.
Atoll: Bennett (Bikej) Islet, 26501. Eniwetok Atoll: Eniwetok Islet,
24,367. Likiep Atoll: Likiep Islet, 33991.

Introduced weed. Common in disturbed places.

Euphorbia hypericifolia L.
Wake Atoll: Wake Islet, 33618, 33622. Kwajalein Atoll: Kwajalein
Islet, 31166.

Introduced weed. In disturbed places, local but common where found.

Euphorbia prostrata Ait.
Atoll: Kwajalein Islet, 34122, 26473 (?). Ujae Atoll: Ujae Islet, 34307.
Wake Atoll: Wake Islet, 34455; Peale Islet, 34939.

Introduced weed. Common in disturbed places and around villages.

Euphorbia thymifolia L.
Kwajalein Atoll: Kwajalein Islet, 34137. Ujelang Atoll: Ujelang
Islet, 34161.

Introduced weed. Very locally common in disturbed places. Marshall-
eses: "nat'to."

Phyllanthus niruri L.
Utirik Atoll: Utirik Islet, 33688. Likiep Atoll: Lado Islet, 33832;
Likiep Islet, 27015. Jemio Island: 33869. Lare Atoll: Lare Islet, 34092.
Kwajalein Atoll: Kwajalein Islet, 31173, 26487.

Introduced weed. Common in disturbed places and around villages.

Ricinus communis L.

Introduced. Occasionally planted around military installations,
probably by Japanese.
**Allophylus timorensis** (DC) Bl.


Indigenous. Common in mixed forest in southern atolls; in Ujelag in scrub. Marshallese: "kåtæk," "kutæk," or "keda."

**Dodonea viscosa** (L.) Jac.

*Likiep Atoll: Likiep Islet, 26998.

Indigenous. Rare in openings in coconut plantations. Marshallese: "kæmin."

**Triumfetta procumbens** Forst.


*Likiep Atoll: Likiep Islet, 24299; Igurin Islet, 24311; Japtan Islet, 24322; Amon Islet, 24366; Engebe Islet, 24401. Kwajalein Atoll: Kwajalein Islet, 26478; Bennett (Bikej) Islet, 26514. Likiep Atoll: Likiep Islet, 27011.

Indigenous. Very general in disturbed places, coconut groves, mixed forest, at top of beaches, and other pioneer habitats, sometimes forming pure ground cover. Flowers open in morning and afternoon, closed in middle of day. Marshallese: "at'at," "atat."

**Abutilon indicum** (L.) Sweet

*Wake Atoll: Wake Islet, 34451; Peale Islet, 34937.

Indigenous (?). Common locally in open scrub.

**Gossypium barbadense** L.


Introduced. Rare, planted in village. Seen but not collected in nursery on Kwajalein.

**Gossypium hirsutum** var. **religiosum** (L.) Watt

*Wake Atoll: Wake Islet, 34469.

Introduced. Persisting after cultivation. Common, especially around old Japanese installations. This plant is identical with a specimen collected in 1923, Pollock & Bryan 33, when it was reported to be rare, only one plant seen.

**Hibiscus tiliaeceus** L.

Kwajalein Atoll: Kwajalein Islet, 34549.

Or aboriginal introduction. Rare, growing in or near villages and around dwellings; not generally appearing healthy. Marshallese: "law."

**Hibiscus** (hybrid)

*Likiep Atoll: Likiep Islet, 27026.

Introduced. Rarely planted.
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Sida acuta Burm.f.
    Ujelang Atoll: Ujelang Islet, 34180.
    Introduced weed. Very local, only seen in Ujelang village.

Sida fallax Walp.
    Likiep Atoll: Lado Islet, 33844. Ailuk Atoll: Ailuk Islet, 33962. Lae
             Atoll: Lee Islet, 34096. Ujelang Atoll: Nelle Islet, 34142; Bokan Islet,
    Pokak Atoll: Kamome Islet, 34505, 34518. Eniwetok Atoll: Aomon Islet,
             24359; Eniwetok Islet, 24371; Engebe Islet, 24389, 24393. Kwajalein Atoll:
             Kwajalein Islet, 26481. Wake Atoll: Peale Islet, 34945.
    Indigenous. Very abundant on Pokak in open areas; local in openings on
drier or more saline islets on other atolls; planted and persisting after planting on
more favorable islets where not found naturally. Marshallese: "kio."

Thespesia populnea (L.) Sol.
    Kwajalein (not collected).

Calophyllum inophyllum L.
             Ailuk Islet, 33926. Ujelang Atoll: Enellap Islet, 34139. Wotho Atoll:
             Wotho Islet, 34228. Ujae Atoll: Bock Islet, 34343. Likiep Atoll: Likiep
             Islet, 27020.
    Of aboriginal introduction. Planted in villages, especially along
lagoon beaches: occasionally established in mixed forest near lagoon side
of islets. On Medjarwon Islet, Wotho, this species forms conspicuous
thickets. Marshallese: "lujëj," "lugej," "luech."

Pemphis acida Forst.
    Likiep Atoll: Lado Islet, 33847. Ailuk Atoll: Ailuk Islet, 33984. Lee
    Atoll: Lee Islet, 34032. Kwajalein Atoll: Enebuoj Islet, 34127; Bennett
    (Bikej) Islet, 26499. Ujelang Atoll: Ujelang Islet, 34188. Ujae Atoll:
    Bock Islet, 34334. Wotho Atoll: Bokenaetok Islet, 34442. Eniwetok Atoll:
    Puruaai Islet, Hoshaka no. 2690.
    Indigenous. Common, growing especially on denuded rock flats; rarely
on sand. Forming dense pure stands. Marshallese: "ngjëngis," "kengi," or
"kungi."

Citrullus vulgaris Schrad.
    Eniwetok Atoll: Engebe Islet, 24375.
    Introduced. Rare, persisting after military occupation.

Cucumis melo L.
    Eniwetok Atoll: Engebe Islet, 24409.
    Introduced. Rare, persisting after military occupation.

Cucurbita maxima Duch.
    Ujelang Atoll: Bieto Islet, 34147. Eniwetok Atoll: Engebe Islet,
    24376, 24380 (?) (no gray spots on leaves).
Introduced. Persisting after military occupation; also planted by Marshallese on Ujelang.

Carica papaya L.


Bruguiera conjugata (L.) Merr.

Indigenous (?). Rare, in wet depressions. "Marshallese: "chong," "jong."

Terminalia catappa L.


Terminalia samoensis Roth.


Barringtonia asiatica (L.) Kurz
Likiep Atoll: Lado Islet, 33860. Lae Atoll: Lae Islet, 34028.

Indigenous. Forming pure forest in one area on Lae, seen as drift seedling on Likiep, not seen otherwise except as drift fruits on beaches. Marshallese: "muj;," "woj."

Jussiaea suffruticosa L.
Likiep Atoll: Likiep Islet, 33853, 27044.

Introduced (?). Weed. In taro pits.

Polyscias scutellaria (Burm.f.) Fosb.

Introduced. Occasionally planted around villages.

Polyscias sp.
Likiep Atoll: Likiep Islet, 27034.

Introduced. Rarely planted.
Centella asiatica (L.) Urb.
Local introduced weed in villages, plantations, and around military establishments. Marshallese: "marukko," "margo," "mariko."

Catharanthus roseus (L.)
Introduced. Planted around houses and graves, sometimes persisting.

Nerium indicum Mill.
Introduced. Planted around villages.

Nerium oleander L.
Lae Atoll: Lae Islet, 34000. Ujae Atoll: Ujae Islet, 34293.
Introduced. Planted around villages.

Nerium sp.
Utirik Atoll: Utirik Islet, 33685.
Introduced. Planted around house.

Ochrosia oppositifolia (Lam.) K. Schum.
Indigenous. In mixed forest and forming pure forests. Marshallese: "kabujiling," "kijbar," "kejebar," "kejbar."

Plumeria rubra L.
Introduced. Planted around villages. Marshallese: "meria."

Asclepias curassavica L.
Introduced weed. Planted around houses and graves, occasionally escaped. Marshallese: "yelo."

Ipomoea batatas L.
Introduced. Rarely planted; not doing well; on wake persisting around Japanese garden site.

Ipomoea littoralis L.
Introduced (?!) weed. Occasional around villages, houses and paths.
Ipomoea pes-caprae (L.) Roth.
Kwajalein Atoll: Kwajalein Islet, 26480; Bennett (Bikej) Islet, 26506.
Introduced (?) weed. Very abundant around military installations, especially abandoned ones; seen elsewhere only as drift seedling.

Ipomoea tuba (Schlecht.) G. Don
Indigenous. Very common to abundant in coconut plantations, mixed forest and scrub; also on open rock flats on Pokak Atoll. Marshallese: "marbele," "bele" (Ujelang, Eniwetok).

Cordia subcordata Lam.
Indigenous. Rare to common in mixed forest and scrub, locally forming pure stands. Marshallese: "kano," "kono."

Heliotropium anomalous H. & A.
Wake Atoll: Wake Islet, 33625.
Indigenous. Common on open ground between trees and around buildings.

Heliotropium ovalifolium var. depressum (Cham.) Merr.
Kwajalein Atoll: Kwajalein Islet, 34124.
Introduced weed. Occasional along air strip.

Wassenschmidia argentea (L.f.) Johnst.
Indigenous. Common to abundant generally, except in mature forest in interior of islets, pioneer on new sand and gravel and in disturbed areas. Marshallese: "kirin."

Cestrum nocturnum L.
Likiep Atoll: Likiep Islet, 27035.
Introduced. Rarely planted.

*Nicotiana tabacum* L.
Wake Atoll: Wake Islet, 34448.
Introduced. Persisting after cultivation. Rare, around old Japanese garden site.

*Physalis angulata* L.
Introduced weed. Occasional in disturbed places.

*Solanum lycopersicon* L.
Eniwetok Atoll: Engebe Islet, 24374.
Introduced. Persisting after military occupation.

*Solanum nigrum* L.
Kwajalein Atoll: Kwajalein Islet, 31177, 31180.
Introduced weed. Occasional in disturbed places around military installations.

*Clerodendrum inerme* (L.) Gaertn.

*Premna obtusifolia* R.Br.
Indigenous. Occasional in mixed forest and around villages and houses. Marshallese: "kaar," "kar."

*Stachytarpheta jamaicensis* (L.) Vahl
Likiep Atoll: Likiep Islet, 27028.
Introduced. Planted in garden.

*Stachytarpheta indica* Vahl
Kwajalein Atoll: Kwajalein Islet, 34121, 31180.
Introduced. Weed around military installations.

*Ocimum sanctum* L.
Introduced. Planted in gardens. Marshallese: "katarin."
Russelia equisetiformis Schlecht. & Cham.
Likiep Atoll: Likiep Islet, 33858, 27046.
Introduced. Rarely planted in gardens.

Scoparia dulcis L.
Kwajalein Atoll: Kwajalein Islet, 31114.
Introduced weed. Rare around military establishments.

Graptophyllum pictum (L.) Griff.
Likiep Atoll: Likiep Islet, 27023.
Introduced. Rarely planted.

Pseuderanthemum atropurpureum (Bull.) Bailey
Introduced. Commonly planted around villages.

Pseuderanthemum carruthersii Seem.
Introduced. Commonly planted around villages. The form with entirely green leaves and white flowers with crimson dots in the center. Marshallese: "ulij," "mut liroj."

Guettarda speciosa L.
Indigenous. Common in mixed forest and scrub, also in coconut groves. Marshallese: "mut," "mut i lomar."

Hedyotis biflora (L.) Lam.
Likiep Atoll: Lado Islet, 33792; Likiep Islet, 27041; Aikini (Aekone) Islet, 27049.
Introduced (?) weed. Rare in coconut plantations.

Ixora casei Hance
Likiep Atoll: Likiep Islet, 27032.
Introduced. Rarely planted.

Morinda citrifolia L.
Of aboriginal introduction. Common in coconut and breadfruit groves and in mixed forest. Marshallese: "nen," "min."

*Scaevola frutescens* (Will.) Krause


Indigenous. Common in scrub and as undergrowth in coconut plantations, usually forms a fringe along top of beach. Marshallese: "kannat," "mar" (Ujelang), "mar kinat" (Eniwetok), "konnat."

*Hippobroma longiflora* (L.) G.Don

Vikep Atoll: Likiep Islet, 27042.

Introduced weed. Rare around taro pits on Likiep, now probably gone, as natives were advised in 1946 to destroy it; not seen in 1951.

*Adenostemma lavenia* (L.) O.Ktze.

Lae Atoll: Lae Islet, 34025.

Introduced (?) weed. In coconut and breadfruit groves, but only seen on Lae. Marshallese: "bulibulgas."

*Conyza bonariensis* (L.) Cronq.


Introduced weed. Common around air strips.

*Conyza canadensis* (L.) Cronq.

Kwajalein Atoll: Kwajalein Islet, 31169.

Introduced weed. Around airstrip.

*Eclipta alba* (L.) Hask.

Kwajalein Atoll: Kwajalein Islet, 31163.

Introduced weed. Occasional around airstrip.

*Emilia javanica* (Burm.f.) Rob.

Kwajalein Atoll: Kwajalein Islet, 31186.

Introduced weed. Common around military installations.

*Pluchea indica* (L.) Less.

Kwajalein Atoll: Kwajalein Islet, 26523; Ebeye Islet, 31210.

Introduced weed. Abundant around military installations.

*Pluchea odorata* (L.) Cass.


Introduced weed. Abundant around military installations.
Sonchus oleracea L.
Wake Atoll: Wake Islet, 34464, 34483.
Introduced weed. In disturbed area.

Synedrella nodiflora (L.) Gaertn.
Kwajalein Atoll: Kwajalein Islet, 34120.
Introduced weed. Around military installations.

Tridax procumbens L.
Kwajalein Atoll: Kwajalein Islet, 31165.
Introduced weed. Around airstrip.

Vernonia cinerea (L.) Less.
Introduced weed. Common around military installations; in Likiep village.

Wedelia biflora (L.) DC.
Indigenous. Common as ground cover and undergrowth in plantations, climbing in trees in mixed forest, and forming dense thick blanket over abandoned military installations. "marshallese:"marguee," "marajej."