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Vascular plants recorded from Jaluit Atoll

by

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## Vascular plants recorded from Jaluit Atoll

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During the German occupation of the Marshall Islands (1885-1914) Jaluit was the seat of colonial government and the principal German settlement. Many plants were brought in for trial and many were introduced accidentally. At Jabor a small botanical garden was maintained. This was continued during the Japanese regime (1914-1944) and revived as an agricultural experiment station by the Trust Territory administration (1955-1958). Soil was brought in from high islands, and with this help and in an extremely wet climate plants survived that would not normally be expected to on a low coral island.

A number of accounts of the plants of Jaluit were published by German and Japanese authors, and Jaluit specimens are cited in several taxonomic papers.

Mr. J. Boyd Mackenzie, director of the experiment station from 1955 until its destruction in 1958 by typhoon Ophelia I (see Atoll Res. Bull. 75), prepared a manuscript list of plants observed by him, to which he kindly gave us access. B. C. Stone made available a list compiled by him, largely based on St. John's observations. Collections have been made in Jaluit by Betcher in 1888 (seen at the Sydney Herbarium), Schnee in 1901 and 1902 (also at Sydney), Koidzumi in 1915 (seen at Tokyo University Herbarium), St. John in 1946 (seen at the Bishop Museum), Lyman in 1946 (deposited in the U. S. National Herbarium) and Fosberg in 1946, 1958, 1960 (also in the U. S. National Herbarium). Other collections have been made but we have not seen any material from them.

No thorough investigation of the flora, especially of the cultivated flora, was published after the Okabe list of 1941 and before 1958, though several large collections were made. Thus it is not certain which of the cultivated species reported earlier and found missing in 1958 and 1960 simply had not survived the normally unfavorable atoll environment and which were eliminated by Typhoon Ophelia I, in January 1958. Those reported by Mackenzie may be presumed to have survived until the time of the 1958 typhoon, though exact records supported by specimens are lacking, and some of the identifications are doubtful. A tabular account of species and their occurrence on islets examined before and after the typhoon was included in Atoll Research Bulletin 75: 96-105, 1961.

Since most of the pre-World War II introduction of plants to the Marshall Islands took place through Jaluit, it seems desirable to prepare a list of all the vascular plants reported from the atoll. This should be of interest in tracing the spread of certain introduced species, in estimating the chances of survival of introductions, and in recording what is there now, as well as in providing an account of the known indigenous species. This list is based on (1) earlier published records, (2) specimens examined by us, and (3) sight records by St. John, Mackenzie, and Fosberg, when no specimens were available.

Names of species not known to exist on the atoll at present are enclosed in parentheses.

The botanical names used are those now believed to be correct. The names used by earlier authors, if different, are referred to with the records by these authors. Some of these are synonyms, others probably misidentifications. English vernacular names are preceded by (E), Marshallese names by (M). The Marshallese names are those generally used or reported from the Marshall Islands, not necessarily recorded in Jaluit.

Numbers of specimens collected by St. John are preceded by S, those collected by Fosberg by F. Other collectors' names are spelled out. The following symbols are used before the plant names:

# indicates that the species is of probable aboriginal introduction

\* post-European introduction

c cultivated or planted

p persisting from cultivation

The two last are not always sharply distinguished. If a name has no symbol the plant may be regarded as indigenous.

#### PSILOPSIDA

Psilotum nudum (L.) Beauv.

Okabe (1941).

#### FILICES

##### Ophioglossaceae

Ophioglossum pendulum L.

F 41409. Epiphyte, rare on Jaluit, found only in wet forest in interior of Pinlep Islet.

(M) Nin in nonep.

##### Polypodiaceae (sensu lato)

(c\* Alsophila sp.)

Seen by Mackenzie.

This record seems unlikely, but it is hard to guess what the plant was.

Asplenium nidus L.

Volkens (1903).

S 21695; F 26740. Common on less disturbed islets, usually terrestrial, abundant on ground in interior of Ribon Islet.

(M) Kartep; (E) Birdsnest Fern.

Nephrolepis acutifolia (Desv.) Christ

Volkens (1903); Okabe (1941) as N. acuta Presl.  
S 21679; F 26741, F 26772; F 39422, F 39441; "Jaluit and Ebon"  
Bêche 3. Generally epiphytic, usually on mangroves.  
(M) Iri, Anomkadede.

(c\* Nephrolepis biserrata var. furcans Hort.)

Seen by Mackenzie.  
(E) Fishtail fern.

Nephrolepis hirsutula (Forst. f.) Presl.

Volkens (1903), Koidzumi (1915, 1917), Kanehira (1935); Okabe  
(1941) all as N. exaltata Schott.  
S 21677; F 26737, F 39435, F 39440. Occasional in shade on most  
islets, terrestrial.  
(M) Iri (jide, ide)

Polypodium scolopendria Burm. f.

Volkens (1903), Koidzumi (1915, 1917), Kawagoe (1917), Kanehira  
(1935), Okabe (1941) all as P. phymatodes L.  
Schnee in 1901, Schnee in 1902; F 26746, F 26757. Common gener-  
ally, terrestrial.  
(M) Kino.

Pteris tripartita Sw.

Volkens (1903); Okabe (1941) as P. wallichiana Ag.  
S 21663; F 26751. Not common, terrestrial.  
(M) Iiri pairik

# Thelypteris goggilodus (Schkuhr) Small

F 41405. Common in taro pits on Pinlep Islet.

Vittaria incurvata Cav.

Okabe (1941) as V. elongata Sw.  
S 21681; F 26745, F 39444, F 41392, F 41413. Rare, epiphytic.  
(M) Wujoet, Ujooj; (E) Shoestring fern.

SPERMATOPHYTA (Seed Plants)

Cycadaceae

c\* Cycas circinalis L.

Volkens (1903) as C. sp.; Koidzumi (1917); Okabe (1914) as  
C. rumphii Miq.  
Lyman 4. Planted at Jabor  
(E) Cycad, Sago palm.

(c\* Cycas revoluta Thunb.)

Okabe (1941).  
(E) Cycad, Sago palm.

Pinaceae

(c\* Pinus thunbergii Parl.)

Okabe (1941).  
(E) Japanese black pine.

Araucariaceae

(c\* Araucaria excelsa R. Br.)

Volkens (1903), Koidzumi (1917).  
(E) Norfolk Island Pine.

Hydrocharitaceae

Thalassia hemprichii (Ehrenb.) Asch.

F 39467. Found in shallow water in the edge of the lagoon at  
Pinlep Islet.  
(E) Turtle grass.

Pandanaceae

Pandanus tectorius Park.

Engler (1897) as P. utilis Bory; Schumann & Lauterbach (1901),  
Volkens (1903) both as P. fascicularis Lam.; Koidzumi (1915,  
1917) as P. tectorius var. pulposus Warb.; Kawagoe (1917)  
as Pandanus sp.; Kanehira (1935, 1936) as P. jaluensis  
Kaneh., P. lakatwa Kaneh., P. laticanaliculatus Kaneh., P.  
laticanaliculatus var. edulis Kaneh., P. macrocephalus Kaneh.,  
P. menne Kaneh., P. obliquus Kaneh., P. pulposus (Warb.) Mart.,  
P. trukensis Kaneh. and P. trukensis var. agiwarok Kan., Okabe  
(1941) (as various species).

S 21701, S 21902, S 21703; F 26759, F 26766, F 26779, F 41396.

A common and important tree, very variable and with many cul-  
tivars recognized and used by the Marshallese, as well as wild  
forms and segregates.

(M) Bop (Bob); (E) Pandan, Screw Pine.

Gramineae

(c\* Bambusa glaucescens (Willd.) Sieb. ex Munro)

Okabe (1941) as B. nana Roxb.  
(E) Dwarf bamboo, hedge bamboo.

(c\* Bambusa blumeana Schultes)

Volkens (1903), Koidzumi (1917) both as B. arundinacea Willd.  
(E) Spiny bamboo.

\*Cenchrus echinatus L.

Volkens (1903), Koidzumi (1915, 1917), Kanehira (1935), Okabe  
(1941) all as C. calyculatus Cav.  
F 26712. Very common in open areas.  
(M) Leklek; (E) Sandbur.

(#Cenototheca lappacea (L.) Desv.)

Volkens (1903).  
Common in the Carolines, on high islands, but otherwise unknown  
in the Marshalls.  
(M) Ujoj (udjodj).

(\*Cymbopogon citratus (DC.) Stapf)

Okabe (1941).  
(E) Lemon grass.

\*Cynodon dactylon (L.) Pers.

Seen by Fosberg. Established on Majurirek Islet.  
(E) Bermuda grass.

(\*Dactyloctenium aegyptium (L.) Willd.)

Okabe (1941)  
(E) Crowfoot grass.

(\*Digitaria ciliaris (Retz.) Koel ?)

Volkens (1903) as Panicum sanguinale L.; Kanehira (1935), Okabe  
(1941) both as Syntherisma sanguinalis (L.) Dulac;  
Very possibly a misidentification of the following species, though  
most records of D. sanguinalis in the tropics are D. ciliaris.  
(E) Crabgrass.

Digitaria pruriens var. microbachne (Presl) Fosb.

Koidzumi (1915, 1917) as Panicum sanguinale.  
Koidzumi in 1915; Schnee 31; F 26704, F 39459, F 41401. Occasional  
generally, in sun or shade.  
(E) Crabgrass.

Echinochloa crus-galli var. crus-pavonis (H.B.K.) Hitchc.

F 39464, F 41407. Found only in the taro pits on Pinlep Islet,  
but abundant there.

\*Eleusine indica (L.) Gaertn.

Volkens (1903); Okabe (1941).  
F 26701. A very common ruderal species.  
(M) Katejukjuk; (E) Goose-grass

\*Eragrostis amabilis (L.) W. & A.

Okabe (1941) as E. plumosa L.  
Schnee 109; Bêche 13; F 26695. Ruderal around villages.  
(E) Love-grass.

(\*Eragrostis ciliaris (L.) R. Br.).

Volkens (1903); Koidzumi (1915, 1917).

Lepturus repens (Forst. f.) R. Br.

Koidzumi (1917); Kanehira (1935) as Monerma repens (Forst.) Beauv.;  
Okabe (1941).  
Very general, widespread in atolls.  
(M) Ujooj-bukor.  
Two varieties have been collected in Jaluit:  
var. septentrionalis Fosb.  
F 26694, F 41416 (towards var. subulatus), F 41417.  
var. subulatus Fosb.  
F 41415.

(c\* Miscanthus sinensis Anders.)

Okabe (1941).

\*Paspalum conjugatum Bergius

F 39462. Found in the village on Pinlep Islet in 1958.  
(E) Hilo grass.

\*Paspalum distichum L.

F 39456. Found on Jabor in 1958.  
(E) Salt grass.

(\*Saccharum officinarum L.)

Volkens (1903), Okabe (1941).  
(E) Sugar cane.

p\*Sorghum bicolor (L.) Moench

S 21673; F 26705. Still found in 1958.  
(E) Sorghum; (M) Korn.

(\*Stenotaphrum secundatum (Walt.) O. Ktze.)

Schumann (1888), Schumann & Lauterbach (1901), Volkens (1903),  
Koidzumi (1915, 1917) all as S. americanum Schrank.  
(E) St. Augustine grass.

Thuarea involuta (Forst. f.) R. & S.

Volkens (1903) as T. indica Gaertn.; Koidzumi (1915, 1917), as  
T. sarmentosa; Okabe (1941).  
F 26713. Generally distributed.

c\*Zoysia tenuifolia Willd. ex Trin.

F 41408. Planted on Pinlep in village, supposed to have been  
brought from Jabor where it was introduced by the Japanese.  
(E) Japanese grass.

#### Cyperaceae

(c\*Cyperus alternifolius L.)

Seen by Mackenzie  
(E) Umbrella plant.

(\*Cyperus brevifolius (Rottb.) Hassk.)

Okabe (1941) as Kyllinga brevifolia Rottb.

\*Cyperus compressus L.

Kükenthal (1924, 1935); Kanehira (1935).  
F 39474. Found only on Jabor.

Cyperus javanicus Houtt.

Volkens (1903) as C. pennatus Lam.; Koidzumi (1915, 1917), Okabe  
(1941) both as Mariscus albescens Gaud.; Kanehira (1935),  
Kükenthal (1936), both as Mariscus pennatus (Lam.) Merr.  
F 26706. A widespread atoll species, found occasionally in moist  
places.  
(M) Ujooj in ion bwil.

\*Cyperus kyllingia Endl.

Volkens (1903), Kükenthal (1924) both as Kyllinga monocephala  
Rottb.; Kükenthal (1935).  
F 26697, F 41400. Found only on Jabor.

\*Cyperus odoratus L.

F 39465. Found only in taro pits on Pinlep Islet.



\*Cyperus rotundus L.

Kükenthal (1924, 1935); Kanehira (1935); Okabe (1941).

F 39478a. Found in village in Jabor, much more abundant in 1960 than in 1958.

(E) Nut-grass.

Eleocharis geniculata (L.) R. & S.

(E) Spike-rush.

F 39466. Found only in taro pits on Pinlep Islet.

Fimbristylis cymosa R. Br.

Volkens (1903) as F. glomerata (Retz.) Nees; Koidzumi (1915, 1917)

as F. wightiana Nees; Kanehira (1935) as F. spathacea Rottb.;

Okabe (1941) as F. cymosa R. Br. and F. spathacea Rottb.

Betche 184; Schnee 42.K; F 26715, F 41414. A widespread strand plant, the atoll form regarded as a separate species, F.

atollensis, by St. John.

(M) Perelijman, padalijmaan.

Palmae

(C\*Areca catechu L.)

Volkens (1903).

(E) Betel nut.

(C\* Caryota urens L.)

Okabe (1941).

(E) Wine palm, fish-tail palm.

c#Cocos nucifera L.

Volkens (1903), Koidzumi (1915, 1917), Kawagoe (1917), Okabe (1941).

F 39454. The most abundant tree, planted generally on all except the tiniest islets.

(E) Coconut; (M) Ni (with many other names applying to different varieties, stages of maturity and parts of the plant).

(c\*Corypha umbraculifera L.)

Seen by Mackenzie.

This record seems unlikely and may be based on a faulty identification; according to Mackenzie (conversation, 1958) it may have been Phoenix canariensis.

(c\*Elaeis guineensis Jacq.)

Okabe (1941).

(E) African oil palm.

(c\* Livistona sp.)

Okabe (1941).

(c\* Phoenix canariensis Hort. ex Chabaud)

Seen by Mackenzie.  
(E) Canary Island palm.

(c\* Phoenix dactylifera L.)

Okabe (1941).  
(E) Date palm.

(c\* Pritchardia pacifica Seem. and Wendl.)

Koidzumi (1917); Mackenzie as P. aurea.

(c\* Rhapis flabelliformis Ait.)

Okabe (1941).

#### Cyclanthaceae

(c\* Carludovica palmata R. and F.)

Okabe (1941).  
(E) Panama hat plant.

#### Araceae

#Alocasia macrorrhiza (L.) Schott

Koidzumi (1917), Kawagoe (1917), Kanehira (1935), Okabe (1941) all  
as A. indica (L.) Schott.  
S 21685; F 26756. Found around villages and in coconut plantations  
on many islets.  
(E) Elephant ear; (M) Majol wot, wot, ot.

(c\* Caladium sp.)

Okabe (1941).

c#Colocasia esculenta (L.) Schott

Engler (1897); Schumann and Lauterbach (1901), Volkens (1903),  
Koidzumi (1917), Okabe (1941) all as C. antiquorum Schott.  
Seen by Mackenzie. Planted in taro pits on Pinlep Islet.  
(E) Taro; (M) Kotak.

c#Cyrtosperma chamissonis (Schott) Merr.

S 21664. After the typhoon seen only in taro pits on Pinlep Islet.  
(E) Giant taro; (M) Iarij, iaraj.

c\*Rhaphidophora pinnata (L.) Schott

Volkens (1903) as Epipremnum mirabile (L.) Engl.  
Seen by Mackenzie and Fosberg. Planted on Jabor.  
(E) Tonga plant.

(c \* Rhaphidophora sp.)

Okabe (1941).  
Possibly the same as the above.

c\* Scindapsus aureus (Lindl. and André) Engl.

Okabe (1941) as Scindapsus sp.  
Lyman 10. Planted on Jabor.  
(E) Taro vine.

c\*Xanthosoma sagittifolium (L.) Schott

F 26770. Still growing on Jabor and Pinlep after the typhoon.  
(E) Yautia.

#### Bromeliaceae

(c\*Ananas comosus (L.) Merr.)

Engler (1897), Volkens (1903), Koidzumi (1917), Okabe (1941), all  
as A. sativa L.  
(E) Pineapple.

#### Commelinaceae

(Commelina undulata R. Br.)

Volkens (1903).  
It is difficult to say what this plant was.

p\*Rhoeo spathacea (Sw.) Stearn

Okabe (1941), Mackenzie, both as R. discolor Hance.  
Seen by Fosberg. Growing on Jabor and planted on Imrodj.  
(E) Tradescantia.

Liliaceae

(c\* Aloe arborescens Mill.)

Okabe (1941).  
(E) Aloe.

Agavaceae

c\*Agave sisalana Pers.

Koidzumi (1917), Okabe (1941).  
Planted on Jabor.  
(E) Sisal.

p\*Cordyline fruticosa (L.) Goepf.

Okabe (1941).  
Lyman 1, Lyman 2. Still seen after typhoon on Jabor.  
(E) Ti.

p\*Sansevieria guineensis (Jacq.) Willd.

Okabe (1941) as S. zeylanica and S. zeylanica var. laurentii.  
Lyman 6. Seen on Jabor after typhoon.  
(E) Bowstring hemp.

Amaryllidaceae

(c\*Allium fistulosum var. giganteum Mak.)

Okabe (1941).  
(E) Green onion.

c\*Crinum asiaticum L.

Volkens (1903), Koidzumi (1915, 1917), Okabe (1941).  
S 21687; F 26749, F 26780. Commonly planted.  
(E) Crinum lily; (M) Kiep (Kiebi).

c\*Crinum asiaticum var. procerum (Carey) Baker

Seen by Fosberg. Planted around houses.

(c\* Crinum broussonetii Herb.)

Okabe (1941).  
It is not clear what species Okabe had. This name is said to be a  
synonym of C. yuccaeflorum Salisb. which is not known in the  
Marshalls.

\*Hippeastrum puniceum (Lam.) Urb.

Okabe (1941) as H. hybridum  
Seen by Mackenzie and Fosberg. Planted in yards.  
(E) Amaryllis.

pc\*Hymenocallis littoralis (Jacq.) Salisb.

Schnee 14; F 26762. Planted in yards, apparently established and  
spontaneous in places.  
(E) Spider lily; (M) Kiep.

(c\*Pancratium harrisii Hort.)

Okabe (1941).

c\*Zephyranthes rosea Lindl.

Okabe (1941) as Z. carinata (Spr.) Herb.  
Seen by Fosberg. Planted in yards.  
(E) Pink Star-of-Bethlehem

Taccaceae

#Tacca leontopetaloides (L.) O. Ktze.

Volkens (1903), Koidzumi (1917), Okabe (1941), all as T. pinnatifida  
Forst. f.  
S 21693; F 26747. Spontaneous in interior of most larger islets.  
(E) Island arrowroot, Polynesian arrowroot; (M) Mok mok.

Dioscoraceae

(c\*Dioscorea sp.)

Volkens (1903).  
S 21668.  
(E) Yam; (M) Mata.

(c\* Dioscorea alata L.)

Koidzumi (1917).  
(E) Yam.

Musaceae

(c\*Musa nana Lour.)

F 26775.  
(E) Chinese banana; (M) Jaina kebrang.

c\*Musa sapientum L.

Engler (1897), Volkens (1903), Koidzumi (1917), Okabe (1941).

F 26777. Commonly planted, seen after typhoon.

(E) Banana; (M) Kebran, Majol kebrang (old variety): Abul banana, Emorgargar, Lagatan (varieties introduced by Germans).

Zingiberaceae

(c\*Alpinia nutans (Andr.) Roscoe)

Engler (1897), Volkens (1903), as A. speciosa (Wendl.) K. Schum.

(E) Shell ginger.

(c\*Curcuma domestica Val.)

Kawagoe (1917), Okabe (1941) both as C. longa L.

(E) Turmeric.

Cannaceae

(c\* Canna indica L.)

Engler (1897), Schumann, and Lauterbach (1901), Volkens (1903).

(E) Indian shot.

(c\*Canna indica var. orientalis Hook. f.)

Okabe (1941).

(c\*Canna, ornamental hybrid)

Lyman 3.

Orchidaceae

(c\*Spathoglottis sp.)

Okabe (1941).

(E) Ground orchid.

(c\*Vanda teres Lindl.)

Okabe (1941).

This probably was Vanda X Miss Joaquim.

Casuarinaceae

Casuarina equisetifolia L.

Okabe (1941).

Lyman 7; F 39469. Planted on Jabor.  
(E) Ironwood.

Piperaceae

\*Peperomia pellucida Kunth

Koidzumi (1915) as var. obtusifolia, (1917); Yuncker (1938,1959),  
Okabe (1941).

Koidzumi in 1915 (det. Yuncker); F 39457. Spontaneous on Jabor.

Peperomia ponapensis C. DC.

Volkens (1903) as Peperomia sp.; Yuncker (1959).

F 26734, F 39443. Rare, growing on rocks in forest, found after  
typhoon on Mejurirek Islet.

(M) Dapidjoka.

Moraceae

Artocarpus altilis (Park.) Fosb.

Schumann & Lauterbach (1901), Volkens (1903) both as A. incisa  
Forst. [sic], Koidzumi (1917), Okabe (1941) both as A. communis  
Forst. f.

S 21696. Seedless form said, by Volkens, to have been introduced  
from Samoa. Important food plant.

(E) Breadfruit; (M) Mai (me) (Dadarkrak, farlahr, mefawan).

c#Artocarpus mariannensis Trec.

Engler (1897) (probably); Koidzumi (1917) as Artocarpus sp.

F 26758, F 26771. This is the species found wild in the Marianas  
and widely introduced in other parts of Micronesia, apparently  
hybridizes with A. altilis.

(E) Wild breadfruit; seedy breadfruit.

(c\*Ficus carica L.)

Engler (1897), Volkens (1903), Okabe (1941).

(E) Fig.

c\*Ficus elastica Roxb.

Okabe (1941).

Seen by Lyman, Mackenzie, and Fosberg. Planted on Jabor.

(E) Rubber tree.

#Ficus tinctoria Forst. f.

Okabe (1941).

Seen by Fosberg on Jabor after typhoon.

Urticaceae

(\*Boehmeria nivea (L.) Gaud.)

Volkens (1903)

Judging by the vernacular name give, "aremue", this probably is a misidentification of Pipturus argenteus.

(E) Ramie.

Fleurya ruderalis (Forst. f.) Gaud. ex Wedd.

Schumann (1888), Engler (1897), Schumann and Lauterbach (1901),

Koidzumi (1917); Okabe (1941) as F. interrupta Gaud.

Schnee in 1902; S 21699; F 26716, F 26761. Common generally.

(M) Nenkutikut, neenkotkot (nen gedeget i.e. bird's leg, Volkens).

\*Pilea microphylla Liebm.

Volkens (1903) as Pilea sp.; Koidzumi (1915, 1917), Kanehira (1935), Okabe (1941).

S 21670; F 26718. On Jabor, Kinajon, and Pinlep Islets after the typhoon.

(E) Artillery plant; (M) Likotot tot.

Pipturus argenteus (Forst. f.) Wedd.

Schumann and Lauterbach (1901), Volkens (1903), Koidzumi (1915, 1917),

Kanehira (1935), Okabe (1941) all as P. incanus (Bl.) Wedd.;

Kawagoe (1917), as P. velutinus Wedd.

S 21692, F 26753. Common on most islets, an abundant pioneer on land devastated by typhoon.

(M) Arme, aremue, armwe.

Procris pedunculata (Forst. f.) Wedd.

F 39442. In wet forest on Majurirek.

Proteaceae

(c\*Grevillea robusta Cunn.)

Volkens (1903).

(E) Silk-oak.



Polygonaceae

(c\*Antigonon leptopus H. & A.)

Okabe (1941).  
(E) Mexican creeper.

(c\*Coccoloba uvifera L.)

Seen by Mackenzie and Fosberg before typhoon.  
(E) Sea grape.

Amaranthaceae

(c\*Amaranthus blitum var. oleraceus Hook. f.)

Koidzumi (1915, 1917), Kanehira (1935) both as A. blitum L.; Okabe  
(1941).  
(E) Chinese spinach.

\*Amaranthus viridis L.

F 39473. Weed on Jabor and Kinajon.

(c\* Celosia argentea L.)

S 21669; F 26728. Planted on Imroj before the typhoon.  
(E) Cockscomb.

c\*Gomphrena globosa L.

Volkens (1903), Koidzumi (1917), Okabe (1941).  
Seen by Fosberg on Jabor and Majurirek.  
(E) Pearly everlasting.

Nyctaginaceae

Boerhavia diffusa L.

Volkens (1903), Kanehira (1935), Okabe (1941).  
These records probably refer to B. tetrandra Forst. or possibly  
B. repens L.

Boerhavia tetrandra Forst.

F 41418. Very local on Majurirek and Mejatto Islets.  
(M) Dapijdoka.

(c\* Bougainvillea glabra Choisy)

Seen by Mackenzie.  
(E) Bougainvillea.

Bougainvillea spectabilis Willd.

Koidzumi (1917), Okabe (1941).  
Seen by Mackenzie and Fosberg.  
(E) Bougainvillea.

c\*Mirabilis jalapa L.

Volkens (1903) as M. jalappa L.; Koidzumi (1915, 1917), Kanehira (1935), Okabe (1941).  
S 21674; F 26754. Planted around dwellings.  
(E) Four-o'clock; (M) Emen aur.

Pisonia grandis R. Br.

S 21678; F 26721, F 39482, F 39483. On most islets, important on Ribon and Lijeron.  
(M) Kangl.

Portulacaceae

\*Portulaca oleracea L.

Volkens (1903), Koidzumi (1915, 1917), Kanehira (1935), Okabe (1941).  
F 26708, F 39433. Ruderal on most islets.  
(M) Marmilyan.

Annonaceae

(c\*Annona cherimola Mill.)

Engler (k897), Volkens (1903), Koidzumi (1917).  
(E) Cherimoya.

(c\*Annona muricata L.)

Koidzumi (1917), Okabe (1941).  
(E) Sour sop.

(c\*Annona squamosa L.)

Koidzumi (1917).  
(E) Sugar apple, sweetsop.

Lauraceae

Cassytha filiformis L.

Volkens (1903), Koidzumi (1915, 1917), Okabe (1941).  
Schnee 34; Betche in 1881; F 26722. Parasite on various plants mostly in open places rather than in shade.

Hernandiaceae

Hernandia sonora L.

Volkens (1903), Koidzumi (1917), Okabe (1941) all as H. peltata  
Meisn.  
F 26778, F 41395. Occasional on most islets.  
(M) Bingbing (Bin-e-wing), pingping.

Capparidaceae

(c\* Capparis cordifolia Lam.)

Koidzumi (1917) as C. mariana DC.

Cruciferae

(\*Brassica acanthiformis Morel)

Okabe (1941).  
Seen by Mackenzie.  
(E) Giant radish, daikon.

Nasturtium sarmentosum (Forst.) O.E.Sch.

Volkens (1903), Koidzumi (1915, 1917) both as Cardamine hirsuta  
var. tenuifolia Volk.  
Koidzumi in 1915; F 39471. Weed in old botanical garden on Jabor.

Crassulaceae

\*Kalanchoe pinnata (Lam.) Pers.

Volkens (1903), Koidzumi (1915, 1917), Okabe (1941) all as  
Bryophyllum calycinum Salisb.; Kanehira (1935) as Bryophyllum  
pinnatum (Lam.) Kurz.  
S 21665; F 26752. Twenty years earlier (1883) not found on Jaluit  
(Volkens). Seen on Imroj and Kinajon after typhoon.  
(E) Air plant; (M) Jemata.

Rosaceae

(c\*Eriobotrya japonica Lindl.)

Volkens (1903).  
(E) Loquat.

Leguminosae

(c\*Albizia lebbek (L.) Benth.)

Okabe (1941).  
Seen by Mackenzie  
(E) Woman's tongue tree.

Caesalpinia bonduc (L.) Roxb.

F 41393. Very local on Enybor and Imrodj Islets, probably recently introduced in drift.

(c\* Caesalpinia pulcherrima (L.) Sw.)

Volkens (1903), Koidzumi (1917), Okabe (1941).  
S 21659; F 26769.  
(E) Pride-of-Barbados; (M) Jemata, Emenawa.

(\*Canavalia ensiformis (L.) DC.)

Schumann (1888), Schumann and Lauterbach (1901), Volkens (1903),  
Koidzumi (1915, 1917), Kanehira (1935).  
Doubtfully this species, more probably a misidentification of C.  
microcarpa.  
(E) Jack bean; (M) Marlap.

Canavalia microcarpa (DC.) Piper

Okabe (1941).  
F 26691, F 39439. Occasional on several islets, climbing in thickets.  
(M) Marlap.

\*Cassia occidentalis L.

Engler (1897) (brought from Honolulu), Volkens (1903), Koidzumi  
(1915, 1917), Kanehira (1935), Okabe (1941).  
(E) Coffee senna.  
Seen by Fosberg.

(\*Cassia torosa Cav.)

Okabe (1941).

(c\*Clitorea ternatea L.)

Kawagoe (1918).

\*Crotalaria incana L.

F 39478. Abundant on bare ground in Jabor after typhoon.  
(E) Rattle-pod.

(\*Crotalaria longirostrata H. & A.)

Koidzumi (1917); Okabe (1941) as Crotalaria sp.

(\*Crotalaria mucronata Desv.)

Okabe (1941) as C. saltiana Andr.  
(E) Rattle-pod.

(\*Crotalaria speciosa Heyne ex Roth)

Volkens (1903).

c\*Delonix regia (Bojer) Raf.

Okabe (1941).  
Seen by Mackenzie and Fosberg. Tree in botanical garden survived typhoon but in poor condition.  
(E) Royal poinciana.

Entada pursaetha DC.

F 41411. Seedling from germinated drift seed.  
(E) Snuff box bean.

c\*Erythrina variegata var. orientalis (L.) Merr.

Volkens (1903), Koidzumi (1915, 1917), Okabe (1941) all as E. indica Lam.  
Seen by Fosberg. Survived typhoon in botanical garden.  
(E) Coral tree.

c\*Inocarpus fagiferus (Park.) Fosb.

Volkens (1903), Koidzumi (1917), Okabe (1941) all as I. edulis Forst.  
Seen by Mackenzie, and Fosberg. Tree in botanical garden survived typhoon.  
(E) Tahitian chestnut.

Intsia bijuga (Colebr.) O. Ktze.

Okabe (1941).  
F 26774, F 39437, F 39480. Occasional on several islets.  
(M) Kubok, Kubuk, kubuik.

p\*Leucaena leucocephala (Lam.) deWit

Okabe (1941).  
Lyman 8; Seen by Fosberg after typhoon on Jabor.

(c\* Phaseolus lunatus L.)

Koidzumi (1917), Okabe (1941).  
(E) Lima bean.

(c\*Pithecellobium dulce (Roxb.) Benth.)

Okabe (1941).

(c\*Samanea saman (Jacq.) Merr.)

Volkens (1903) as Pithecellobium saman (Jacq.) Benth.  
(E) Monkey pod, rain tree.

(\*Sesbania grandiflora (L.) Pers.)

Okabe (1941).

Sophora tomentosa L.

Okabe (1941).

F 26783. Rare, seen by Fosberg on Enybor Islet.  
(M) Kil'li, kille.

Vigna marina (Burm.) Merr.

Volkens (1903), Kawagoe (1917), Okabe (1941) all as V. lutea (Sw.)  
Gray  
S 21688; F 26739, F 41412. Common on beaches and in partial shade.  
(E) Beach pea; (M) Margnanjojo, Markunenjojo.

Rutaceae

c\*Citrus aurantifolia (Christm.) Swingle

Volkens (1903) as C. limonum L.; Okabe (1941) as Citrus sp.  
Seen by Mackenzie and Fosberg. Planted around dwellings.

(c\*Citrus paradisi Macf.)

Seen by Mackenzie.  
(E) Grapefruit.

(c\*Citrus reticulata Blanco)

Seen by Mackenzie.  
(E) Tangerine.

c\*Citrus sinensis (L.) Osb.

Seen by Mackenzie both before and after typhoon.  
(E) Sweet orange.

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Surianaceae

Suriana maritima L.

Volkens (1903), Kanehira (1935).

Not found recently, but in all probability present somewhere on the atoll, as it is a very common and widespread atoll species.

Burseraceae

(\*Canarium commune L.)

Okabe (1941).

(E) Canari nut.

Meliaceae

(c\* Melia azederach L.)

Volkens (1903), Koidzumi (1917), Okabe (1941).

(E) Pride of India.

Euphorbiaceae

c\*Acalypha wilkesiana Muell. -Arg.

Seen by Mackenzie and Fosberg. Planted around dwellings.

(E) Joseph's coat; beefsteak plant.

c\* Codiaeum variegatum (L.) Bl.

Volkens (1903), Okabe (1941).

Schnee in 1902. Planted around houses in Majurirek.

(E) Croton.

(c\*Euphorbia bojeri Hook.)

Volkens (1903), Koidzumi (1917) both as E. splendens Boj.

Schnee 23.

(E) Crown of thorns.

Euphorbia chamissonis (Kl. & Gke.) Boiss.

Koidzumi (1917) as E. sparmannii; Kawagoe (1918), Okabe (1941) both as E. atoto Forst. f.

Koidzumi in 1915; F 26686, F 26698, F 39438. Common in plantations, surviving after typhoon on leeward islets.

(E) Beach spurge; (M) Berau, Perau.

(\*Euphorbia cyathophora Murr.)

Koidzumi (1917), Kawagoe (1918), Okabe (1941) all as E. heterophylla L.  
(E) Dwarf poinsettia.

\*Euphorbia glomerifera (Millsp.) Wheeler

F 41402a. Weed on Jabor, rare.

\*Euphorbia hirta L.

Volkens (1903), Koidzumi (1917), Okabe (1941) all as E. pilulifera L.  
F 26717. Ruderal on several islets.  
(E) Hairy spurge.

(c\*Euphorbia neriifolia L.)

Okabe (1941).

\*Euphorbia prostrata L.

Kawagoe (1918).  
Schnee 27 (or 124); F 26714, F 39463, F 41402. Ruderal around  
villages.

(c\*Euphorbia pulcherrima Willd.)

Okabe (1941).  
Seen by Mackenzie.  
(E) Poinsettia

\*Euphorbia thymifolia L.

Koidzumi (1915, 1917), Okabe (1941).  
F 39470, F 41399. Ruderal around villages.

(c\*Euphorbia trigona Haw.?)

Kawagoe (1918).

(\*Jatropha sp.)

Okabe (1941).

(c\*Macaranga tanarius (L.) M.-A.)

Koidzumi (1915, 1917).  
This record and the following do not sound likely but it is not  
clear what the plants may have been.

(c\*Macaranga tanarius var. glabra Muell.-Arg.)

Schumann & Lauterbach (1901), Volkens (1903).



(c\*Manihot esculenta Crantz)

Okabe (1941) as M. utilissima Pohl  
(E) Tapica, Cassava.

\*Phyllanthus amarus Schum. & Thonn.

Koidzumi (1917), Kanehira (1935), Okabe (1941) all as P. niuri L.  
/sic./  
F 26719, F 41394. Weed, especially in cleared ground.

(\*Ricinus communis L.)

Engler (1897), Volkens (1903).  
Seen by Mackenzie  
(E) Castor oil bean.

Anacardiaceae

(c\*Mangifera indica L.)

Koidzumi (1917), Okabe (1941)  
(E) Mango.

Sapindaceae

Allophylus timorensis Bl.

Schumann (1888); Engler (1897) as A. cobbe (L.) Bl.; Schumann & Lauterbach (1901), Volkens (1903), the latter both as A. timorensis and Allophilus cobbe (L.) Bl.; Koidzumi (1915, 1917), Radlkofer (1932), Okabe (1941); Kawagoe (1918), as A. cobbe f. racemosus (L.) Engl. and A. cobbe f. rheedii (Wight) Engl.; Radlkofer (1932) also as A. ternatus (Forst.) Radlk.  
S 21689; F 26688, F 26692a, F 26773, F 41410. Common, generally, in thichets and forest.  
(M) Ketak, kutak, kudan

(\*Pometia pinnata Forst.)

Volkens (1903).

Tiliaceae

Triumfetta procumbens Forst. f.

Schumann (1888), Schumann and Lauterbach (1901), Volkens (1903), Koidzumi (1915, 1917), Kawagoe (1918), Okabe (1941).  
Schnee 41; S 21694; F 26700, F 26743. Common generally.

Malvaceae

(c\*Gossypium peruvianum Cav.)

Okabe (1941) as G. brasiliense Macf.  
(E) Cotton.

c\*Hibiscus esculentus L.

Okabe (1941) as Abelmoschus esculentus (L.) Moench.  
Seen by Mackenzie and Fosberg. Planted on Jabor.  
(E) Okra.

(c\*Hibiscus mutabilis L.)

Seen by Mackenzie.  
(E) Variable rose

(c\*Hibiscus rosa-sinensis L.)

Volkens (1903), Koidzumi (1917), Okabe (1941).  
Schnee in 1902  
(E) Hibiscus.

#Hibiscus tiliaceus L.

Volkens (1903), Koidzumi (1915, 1917), Kawagoe (1917), Okabe (1941).  
Schnee in 1902; S 21686; F 26720, F 41379, F 41403.  
(M) Law (lca, roh).

c\*Hibiscus (ornamental hybrid)

Seen by Fosberg.

(\*Malvastrum coromandelianum (L.) Garcke)

Volkens (1903).

(Sida fallax Walp.)

Volkens (1903), Koidzumi (1915, 1917), Okabe (1941); Kawagoe (1918),  
as S. cordifolia L.  
Schnee in 1902; F 26776.  
(M) Kio

(\*Sida rhombifolia L.)

Volkens (1903).

(\*Thespesia populnea (L.) Sol. ex Correa)

Seen by Mackenzie.

Bombacaceae

(c\*Bombax ellipticum HBK.)

Seen by Mackenzie

c\*Ceiba pentandra (L.) Gaertn.

F 26760. Planted on Jabor.  
(M) Bulik.

Guttiferae

#Calophyllum inophyllum L.

Engler (1897), Volkens (1903), Koidzumi (1915, 1917), Okabe (1941).  
S 21699; F 26725, F 26788. On most islets.  
(M) Lues, ligwait, rukehah, lukweij, luej.

Caricaceae

c\*Carica papaya L.

Engler (1897), Volkens (1903), Koidzumi (1917), Okabe (1941).  
Planted on most islets.  
(M) Kinabu, Kehnap.

Passifloraceae

(c\*Passiflora edulis Sims)

Kawagoe (1918).  
(E) Passion fruit.

(c\*Passiflora foetida L.)

(Kawagoe (1918).

(c\*Passiflora laurifolia L.)

Seen by Mackenzie.

Cucurbitaceae

(c\*Citrullus vulgaris Schrad.)

Seen by Mackenzie.  
(E) Water melon.

(c\*Cucumis melo var. conomon Makino)

Okabe (1941).

(c\*Cucumis sativus L.)

Okabe (1941).

Seen by Mackenzie and Fosberg. Planted on Imrodj Islet.

(E) Cucumber.

c\*Cucurbita moschata var. toonas Makino

Koidzumi (1917) as C. mexicana Duch.; Okabe (1941).

Possibly still grown, but not identified with certainty since the typhoon.

(E) Squash.

c\*Curcubita pepo L.

Seen by St. John; F 26703 possibly goes here. Cucurbits are still commonly planted, but what species is not positively known.

#### Lythraceae

Pemphis acidula Forst.

Schumann (1888), Schumann & Lauterbach (1901), Volkens (1903),

Koidzumi (1915, 1917) Kawagoe (1918), Okabe (1941).

F 26711. Common on rocky, very saline areas.

(M) Kengi (kōnge)

#### Punicaceae

(c\*Punica granatum L.)

Engler (1897), Volkens (1903).

(E) Pomegranate.

#### Sonneratiaceae

Sonneratia alba J. Sm.

F 26690, F 41391. Collected south of Jabor in 1946, gone from there after typhoon, but still common in swamp on Jaluit Islet.

(M) Pulabl, kinpat.

Rhizophoraceae

Bruguiera gymnorhiza (L.) Lam.

Schumann (1888) as B. rheedii Bl.; Engler (1897) as Bruguiera sp., Volkens (1903), Koidzumi (1915, 1917); Okabe (1941) as B. conjugata (L.) Merr.

F 26738. Abundant in swamps on most islets.

(M) Jong (djong) (Shon). (E) Mangrove.

(Rhizophora mucronata Lam.)

Koidzumi (1917).

(E) Mangrove.

Combretaceae

Lumnitzera littorea (Jack) Voigt

F 26742, F 41390. In mangrove depressions.

(M) Kimum, kimeme.

(c\*Quisqualis indica L.)

Volkens (1903).

#Terminalia catappa L.

Engler (1897), Schumann & Lauterbach (1901), Volkens (1903), Koidzumi (1915, 1917), Okabe (1941).

F 26763. Planted around villages.

(M) Kotal, kutil.

Terminalia samoensis Rech.

Koidzumi (1915) as T. litoralis Seem.; Kawagoe (1918), as Terminalia sp.; Okabe (1941) as T. saffordii Merr.

S 21684; F 26723, F 39436. Found on several islets, especially leeward ones.

(M) Kung, Ekung, ekkin, kikin.

Lecythidaceae

Barringtonia asiatica (L.) Kurz

Engler (1897), Schumann & Lauterbach (1901), Volkens (1903), Kawagoe (1918), all as B. speciosa Forst.; Koidzumi (1915, 1917), Knuth (1939).

S 21667; F 26736. Uncommon, survived typhoon at least on Imroj and Mejat'to.

(M) Wop (oup).

(c\*Couroupita guianensis Aubl.)

Okabe (1941).  
(E) Cannonball tree.

Melastomaceae

(\*Miconia sp.)

Seen by Mackenzie. A very unlikely record.

Cactaceae

(c\*Cereus sp.)

Okabe (1941).

(c\*Epiphyllum oxypetalum Haw.)

Okabe (1941).

(c\*Opuntia sp.)

Kawagoe (1918), Okabe (1941).

Onagraceae

#Jussiaea suffruticosa L.

F 41406. Found in taro pits on Pinlep Islet.

Araliaceae

c\*Brassaia actinophylla Endl.

Kawagoe (1918), Okabe (1941) as Schefflera sp.  
Seen by Mackenzie and Fosberg. Planted on Jabor; has strangeler habit.  
(E) Octopus tree.

(c\*Polyscias filicifolia (S. Moore) Bailey)

Okabe (1941) as Aralia filicifolia Chr. A plant reported by Kawagoe (1918) as Nothopanax sp. may belong here.  
Lyman 5.  
(E) Panax.

(c\*Polyscias fruticosa (L.) Harms)

Kawagoe (1918).  
F 26787. Seen by Mackenzie.  
(E) Panax.

(c\*Polyscias guilfoylei (Cogn. & March.) Bailey)

Koidzumi (1917) as Aralia guilfoylei Cogn. & March; Kawagoe (1918)  
as Nothopanax guilfoylei (Cogn. & March.) Merr.  
Lyman 9; S 21656.  
(E) Hedge panax.

c\*Polyscias scutellaria (Burm. f.) Fosb.

Koidzumi (1917) as Nothopanax cochleata Miq.; Okabe (1941) as  
Nothopanax scutellaria Merr.  
S 21656; F 26786. Survives on Majurirek, planted in village.  
(E) Panax.

c\*Polyscias tricochleata (Miq.) Fosb.

Okabe (1941) as Nothopanax tricochleatum Miq.  
F 26781. Planted on Pinlep.  
(E) Panax.

#### Umbelliferae

Centella asiatica (L.) Urb.

Okabe (1941).  
F 26731, F 39434. Ruderal on several islets.  
(M) Maruko, madiko.

(c\* Oenanthe stolonifera DC.)

Okabe (1941).

#### Oleaceae

c\*Jasminum sambac (L.) Ait.

Seen by Fosberg. Planted on Kinajon Islet.  
(E) Jasmine.

#### Apocynaceae

\*Catharanthus roseus (L.) G. Don

Schnee 29. Growing in cemetery on Pinlep, after typhoon.  
(E) Periwinkle.

c\*Cerbera manghas L.

Volkens (1903), Koidzumi (1915, 1917) both as C. lactaria Ham.;  
Okabe (1941).  
Seen by Mackenzie, Fosberg. Planted on Jabor.  
(M) Kitjebar, Kejbar.

c\*Nerium indicum Mill.

Okabe (1941) as N. odorum Sol.  
F 26785. Planted in villages.  
(E) Oleander.

c\*Nerium oleander L.

Volkens (1903), Koidzumi (1917).  
F 26730. Planted in villages.  
(E) Oleander.

Ochrosia oppositifolia (Lam.) Schum.

Okabe (1941) as O. parviflora (Forst.) Hensl.  
F 26735. Survives on northwest end of Imroj Islet.  
(M) Kijbar, kejbar.

c\*Plumeria rubra L.

Okabe (1941) as P. acutifolia Poir.  
S 21671; F 26726. Planted in villages.  
(E) Frangipani; (M) Meria.

(c\*Vinca major L.)

Volkens (1903).  
May have been a misidentification of Catharanthus roseus.  
(E) Periwinkle.

Asclepiadaceae

\*Asclepias curassavica L.

Volkens (1903).  
F 26727. Seen after typhoon in cemetery on Pinlep Islet, also  
planted on Imrodj.  
(E) Milkweed.

Convolvulaceae

c\* Ipomoea batatas (L.) Poir.

Engler (1897) introduced from Kusaie; Volkens (1903).  
F 26748. Planted on Mejatto Islet.  
(E) Sweet potato.



Ipomoea littoralis Bl.

Engler (1897), Schumann & Lauterbach (1901), Okabe (1941) all as I. denticulata Choisy.  
Schnee in 1902, Schnee 8; S 21683; F 26765, F 39455. Persists at least on Jabor and Pinlep Islets.  
(M) Lodjeringin Kidjerik.

Ipomoea pes-caprae ssp. brasiliensis (L.) Van Ooststr.

Engler (1897), Schumann & Lauterbach (1901), Volkens (1903), Koidzumi (1915, 1917), Okabe (1941) all as I. pes-caprae (L.) Roth  
Koidzumi in 1915; F 26709. Persists on Jabor; seedling from beach drift on Ribon Islet.  
(E) Beach morning-glory; (M) Markinenjojo.

Ipomoea tuba (Schlecht.) Don

Engler (1897) as Calonyction speciosum Choisy; Schumann & Lauterbach (1901), Volkens (1903) both as Calonyction bona-nox (L.) Boj.; Kawagoe (1917) as Ipomoea sp.; Koidzumi (1915, 1917), Kanehira (1935) both as I. grandiflora Lam.; Okabe (1941) as Calonyction album (L.) House.  
Koidzumi in 1915; S 21680; F 26685, F 39460. On several islets.  
(E) Moonflower; (M) Marlap, Marbelle, marpele.

Boraginaceae

Cordia subcordata Lam.

Volkens (1903), Koidzumi (1915, 1917), Okabe (1941).  
F 26696, F 26724, F 39421. On most islets, especially at top of lagoon beach.  
(M) Kōno.

Tournefortia argentea L.f.

Schumann (1888), Schumann & Lauterbach (1901), Volkens (1903), Koidzumi (1915, 1917); Okabe (1941) as Messerschmidia argentea (L.) Johnst.  
F 26699. Found generally. A widespread atoll species.  
(M) Kirin.

Verbenaceae

Clerodendrum inerme (L.) Gaertn.

Volkens (1903) as Clerodendron sp.; Okabe (1941) as Clerodendron inerme Gaertn.  
Schnee in 1902; F 26733. Said by Volkens to have been introduced from Ponape /but occurs generally in Marshall~~s~~/.  
(M) Uleg, Uledj, wuledj.

(c\*Lantana camara var. aculeata (L.) Mold.)

Engler (1897), Volkens (1903) both as L. aculeata L.; Okabe (1941)  
as L. camara L.  
Seen by Mackenzie.  
(E) Lantana.

Premna obtusifolia R. Br.

Kawagoe (1917) as Premna sp.; Okabe (1941) as P. gaudichaudii  
Schauer  
F 26732, F 26789. Occasional in thickets on most islets.  
(M) Kaar

\*Stachytarpheta urticifolia Sims

Koidzumi (1917), Okabe (1941) both as S. dichotoma Vahl.  
F 39476, F 41383. Occasional on Jabor.

Labiatae

(c\*Coleus scutellarioides L.)

Okabe (1941) as C. blumei Benth.  
(E) Coleus.

(c\*Ocimum basilicum L.)

Okabe (1941).  
This report is possibly based on O. sanctum L., though O. basilicum  
is occasionally planted in gardens in other atolls and could  
possibly have been here.  
(E) Basil.

#Ocimum sanctum L.

Volkens (1903).  
S 21658; F 26755. Said by Volkens to have been introduced by  
missionaries. Commonly planted around dwellings.  
(M) Katrin.

(c\*Plectranthus graveolens R. Br.)

Volkens (1903).

Solanaceae

(c\*Capsicum annuum L.)

Engler (1897), Schumann & Lauterbach (1901), Volkens (1903).  
(E) Chili, red pepper.

(c\*Capsicum longum L.)

Volkens (1903).

Possibly refers to a form of C. frutescens L.

(\*Nicotiana tabacum L.)

S 21672; F 26707.

\*Physalis angulata L.

Volkens (1903) as P. minima L.; Koidzumi (1915, 1917), Kanehira (1935), Okabe (1941).

F 26710. Ruderal on several islets.

(c\*Solanum lycopersicum L.)

Okabe (1941) as Lycopersicum esculentum Mill.

(E) Tomato.

#Solanum nigrum L.

Engler (1897), Schumann & Lauterbach (1901) both as S. oleraceum Dunal; Volkens (1903) as S. nigrum L. and S. oleraceum Dunal; Koidzumi (1915, 1917) as S. oleraceum Dunal.

F 39475. Persisting at least on Jabor and Pinlep Islets, ruderal.  
(E) Nightshade.

#### Scrophulariaceae

c\*Angelonia angustifolia Benth.

Seen by Fosberg, planted on Imroj.

#### Bignoniaceae

(c\*Jacaranda filicifolia Benth.)

Seen by Mackenzie.

(E) Jacaranda.

#### Acanthaceae

(c\*Barleria cristata L.)

Okabe (1941).

(c\*Beloperone guttata Brandeg.)

Seen by Mackenzie.

(E) Shrimp plant.

\*Blechum brownei f. puberulum Leonard

Okabe (1941) as B. pyramidatum (Lam.) Urb.  
F 39472. Growing on Jabor.

\*Hemigraphis reptans (Forst.) Engler

Volkens (1903), Koidzumi (1915, 1917), Okabe (1941).  
F 39461, F 41384. Ruderal on Jabor and Pinlep; uncommon.

pc\*Pseuderanthemum carruthersii (Seem.) Guill. var. carruthersii

Okabe (1941) as Eranthemum eldorado.  
F 26782, F 39423. Planted and persisting around dwellings and  
former dwelling sites.  
(M) Ulej.

pc\*Pseuderanthemum carruthersii var. atropurpureum (Bull) Fosb.

Lindau (1915) as P. jaluitense Lindau; Okabe (1941) as Eranthemum  
atropurpureum Bull.  
F 26729, F 39424.  
(M) Ulej.

(\*Ruellia sp.)

Volkens (1903).

Rubiaceae

\*Dentella repens Forst.

F 39458, F 41397. Ruderal on Jabor.

Guettarda speciosa L.

Volkens (1903), Koidzumi (1915, 1917), Okabe (1941).  
F 26692. General on most islets, one of the most widely distri-  
buted atoll plants.  
(M) Wot, Wlott, utt.

#Hedyotis biflora (L.) Lam.

Okabe (1941) as Oldenlandia sp.  
S 21660; F 26768, F 26784. Ruderal on several islets.  
(M) Glarkio.

Hedyotis corymbosa (L.) Lam.

F 41398.

(#Ixora casei Hance)

Volkens (1903), Okabe (1941) both as Ixora sp.  
Schnee in 1902; S 21666.  
(M) Kajiru. (E) Ixora.

(\*Ixora fraseri Hort. ex Gentil)

Seen by Mackenzie.

#Morinda citrifolia L.

Volkens (1903), Koidzumi (1915, 1917), Okabe (1941).  
Schnee in 1901, Schnee in 1902; S 21690; F 26687. In the interior  
of most islets.  
(M) Nin, Nen.

(#Randia cochinchinensis (Lour.) Merr.)

Okabe (1941) as R. racemosa F. Vill.

#### Caprifoliaceae

(c\*Sambucus mexicana var. bipinnata (S. & C.) Schwerin?)

Okabe (1941) as Sambucus sp.

#### Campanulaceae

\*Hippobroma longiflora (L.) Don

Seen by Fosberg on Jabor in 1958.

#### Goodeniaceae

Scaevola taccada (Gaertn.) Roxb.

Engler (1897), Schumann & Lauterbach (1901), Volkens (1903) all as  
S. Koenigii Vahl; Krause (1912), Koidzumi (1915, 1917) Okabe  
(1941) all as S. frutescens (Mill.) Kr.; Fosberg (1961) as S.  
sericea Vahl.  
S 21691; F 26702. Abundant at tops of beaches, especially seaward  
beaches, and less so in interiors of islets; one of the common-  
est of atoll plants.  
(M) Kunnat, Kenat.

#### Compositae

#Adenostemma lavenia (L.) O. Ktze.

S 21661; F 26767. In interior of Kinajon Islet, formerly on Imroj.

\*Ageratum conyzoides L.

Volkens (1903), Koidzumi (1915, 1917), Kanehira (1935), Okabe (1941).  
F 39485. Said by Volkens to have been introduced from Ponape.  
Ruderal, on Jabor.

(c\*Cichorium endivium L.)

Seen by Mackenzie.  
(E) Endive.

(c\*Coreopsis basalis (Dietr.) Blake)

Okabe (1941) as C. drummondii T. & G.  
(E) Coreopsis.

(\*Spilanthes iabadicensis A. H. Moore)

Seen by Mackenzie.

\*Synedrella nodiflora (L.) Gaertn.

Volkens (1903), Koidzumi (1915, 1917), Okabe (1941).  
F 39477. Ruderal on several islets.

c\*Tagetes sp.

Seen by Fosberg, planted on Majurirek Islet.  
(E) Marigold.

\*Vernonia cinerea (L.) Less.

Volkens (1903), Koidzumi (1915, 1917), Kanehira (1935), Okabe (1941).  
S 21700; F 26750, F 39484. Ruderal, on several islets.

Wedelia biflora (L.) DC.

Schumann & Lauterbach (1901), Volkens (1903), Koidzumi (1915).  
Kawagoe (1917), Kanehira (1935), Okabe (1941).  
S 21675; F 26693. Very common, abundant in open places.  
(M) Markuwewe, markebuebue, moredjit, merguebit.

c\*Zinnia elegans Jacq.

Seen by Fosberg, planted around dwellings on Jabor.  
(E) Zinnia.

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