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46227
46275
Bronson, 55, Succumbs to Heart Attack

Albert B. Bronson, 55-year-old businessman from Tamuning, died Wednesday night shortly after he collapsed while walking along the beach behind his residence, police reported yesterday.

Bronson was pronounced dead upon arrival at Guam Memorial Hospital at 10:20 P.M. by Dr. Jesus F. Paryna, a GMH physician.

Police said an autopsy performed yesterday morning reported heart attack as cause of death.

According to police, Bronson was walking along the beach with a family friend when he was stricken at about 9:45 P.M. Wednesday. The friend, whom police did not identify, immediately notified Mrs. Bronson who called the Tamuning Fire Station for an ambulance.

Police quoted Mrs. Bronson as saying her husband had been suffering from heart condition.
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Pacific Vegetation Project
S/o National Research Council
3101 Constitution Ave., N.W.
Washington 25, D. C., U.S.A.
1905
Alameda Co.
June 10, Hayward, Calif.
* Cultivated ornamental *

June 17, Honolulu, Oahu, K.
in lashed lawn, Wilder Ave., behind S.S.
1
91 Euphorbia prostrata
prostrate, green, not all purple
prostrate, rays yellow
1
92 Leyrrella

June 26 - Wake Island
brief stop during night.

Coconut and Pandanus
trees, trees 3-4 m. tall
have been planted across
from terminal bldg. Gossypium
growing here.

Thomsonia tuba abundantly
in flower at 4:30 a.m.,
somehow striped,
somewhat fragrant.

Inner sepals rather long
than outer. Stamens and
stigma well included.
A large depression,
perpendicular to 
excavation between
terminal and stone.
June 26 - Egyptian

Tamuning
around buildings

4. 197

Polynanops capillaris Hamilton & D.Don
planted as lawn, on coral gravel

94 Laguropha?
abundant on coral gravel

with

June 27, Lower fontaine
on slope of deep ravine

95 Adenanthera pavonia L.

96 Tectaria creata
common on limestone ledge

97 Chelydris
occasional on contact
between limestone and tuff

98 Glochidion
occasional on limestone
ledge in semi-shade

12 99 Phyllanthus
very common on cut
in limestone

4, 200 Glochidion
common in dense shady
inference thicket with scattered
large trees

14 01 Pterocarpus
one tree seen
1965 Mariana Is.

46202

Cananga odorata
common

June 27 - Agana
on gravel flats just
6 ft. off beach

3 Dendrella hystrix
occasional, with D. petra

1 04 Thauma castel ssp. candida

6 05 Hedystis cymbosa (L.) A. Camara

1 06 Alysicarpus occassional

8 07 Pastinachus

Guam
top 8 m. Tall.
flowers green.

2 m. very prostrate, rooting
at nodes, forming
thin close mats; flowers
white.

flowers white.

ascending & prostrate.
flowers white.

prostrate, forming
small mats; flowers

massive.

dense small tufts
culms spreading
to ascending.

main stems dead
and side branches
green. a very few flowering
leaves much larger
than on bushes in
volcanic area. fruit
very similar. young
leaves tend to be
glanssous lanmely,
older not. the leaf
Tree along Forty Diner
collected sterile in 1950
in fruit. is Stereopsis
1965 Mariana Is.

Delonix regia is in full bloom, is common variety. Some scarlet (usual) is orange-red.

On way to moth end on the Laguna-Wetland, Andersen noted no patches of anything like good pastures, except seen some Pandanus, scrub and general secondary thicket. No Pennisetum polygynum seen in open area – probably there but too young to be confirmed. Photinia is low and only beginning to sprout actively, no racemes.

Northwest - Andersen - Northwest field road; all secondary thicket with skeletal skeletons of large trees.

Northwest field area - Spaltholt's flowering. 
Oenothera not seen.

Batidion Point - forest is completely

Guam
Closed again - no sign of typhoon damage except number of dead or partly dead trees sticking up through canopy. One mention big tide apparently remaining of two seen in 1957. This may be this but a half-mile or so away, not certain. What seems to be the Senanther melochna was seen in 1957, still looks healthy, but too far away to be sure if it is this. The forest here seems to be about the best remaining in any easily reached place on the island. Pentella has reached here, in road. Pluchea odorata is abundant along road. Monardica and Mariqab very abundant, Triphasia with ripe fruit, Flagellaris with birds, Ficus mysticarpa, with green fruits.

Weather - sunny, with broken clouds, warm. East wind, humidity.
1965 Mariana P.

June 27 - Rhitidian Point
- Lighthouse on edge of cliff
- Nephrolepis biserrata
- Ficus altissima

June 29 - Town Heights
- Hosta undulata

June 30 - Trust Territory Compound
- NAS A g a r a
- Castilleja suberba
- Gomphrena dispersa
- Trinchesia
- Mitracarpus hintzii
June 28 - Weather - completely overcast in morning, intermittent rain.

June 29 - Sunny, moist broken cloud, N.W. Hard showers in afternoon, Calm evening. Wedelia tribulata around post office - sterile, apparently naturalized.

June 30 - Sunny, some clouds, gentle trade winds.

South end of Guam Bay at bottom of cliffs - small forest of buntings and Theophrastia on edge of lowest terrace - some Clethrum simplex, Wedelia bifida, Pistacia grata, Allphatherum typicum, a few small Thymus salvioides.

Bush of this Pandanus dubius and A. telmateia, very scantly.

2-step erosion ramp at base of terrace, well developed, nip almost it. The erosion ramp appears to be a very coarse and very hard beachrock.
July 1 - Mangilao

In secondary thickets

Jatropha podagrica

Colony of 20-30 plants

July 1 - east end of Harmon Field

Stachyurus spontaneum

Very common along the road on coral rock in open areas

July 2 - Harmon Heights

Plumeria obtusa

Planted in dwelling yard

Plumeria obtusa

Planted in yard

July 3 - same

Biddens leucanthus abundant in yards around houses

Guam

Shrub 2 m tall, dark purplish green, hairy green, flowers red, later slightly milky but transluscent

Very prostrate, forming thin mat, rooting at nodes, flowers white

 Erect close tufts, rhizomes short, thick, flowering cane to 3 m tall

Shrub 2.5 m tall, very lactiferous, calyxes white with yellow centers, fragrant

Singapore plumeria (H. May)

Herbs up to 1.5 m tall, rays white, disk yellow
July 3 - South entrance

36.0 a. m.

Cyperus sigulalis L.
locally common

23. Pashalum longistem
common

July 3 - Pitridian Point
platan near lighthouse
in dense scrubly
mixed forest on
rough limestone

20.24. Guzmania maxima
common

25. Senianthes melamii Memo
very rare, one tree seen

very rare, three seen

27. Psychotria
locally common

23. Cypripedium L.
common

29. Eugenia reinwardtiana
common

170 m.

loose clumps, culms
spreading, leaves
slightly, grayish green,
tufts, culms spreading.

160 m.

slender tree about
5 m. tall, flowers
with fleshy petiole,
greenish yellow;
fruit immature.

Tree about 14 m. tall,
3 dm. dbh. flowers
with calyx and corolla
greenish white, filament
white at base, margin
purple for most of length,
anther yellow.

10-12 m. tall, flowers
green.

Shrub 1.5 m. tall,
flowers white, fruit immature.
July 3 - Rittenhouse Point light

Area between road and cliff to north is dense closed mixed forest. Two Heritiera trees are about 100 m, 30'-2' of s. and one ferns about 300 m, 40'2' of s.

From p. 16

16:30 Eugenia menardtiens common in shrub layer.
3:31 Psychotria malaspa common in shrub layer
6:32 Psychotria malaspa common in shrub layer
9:33 Psychotria mariana batch locally common in small openings
7:31 44 Clusia xylon marianum

160 m

↓ shrub 3 m tall, fruit not quite mature, pale green.
    ↓ shrub 1.2 m tall, flowers white, fruit immature.
    ↓ slender shrub 2.6 m tall, flowers white, fruit immature.
    ↓ shrub 2.5 m tall, flowers white, fruit green, turning red.
    ↓ small tree, 12 m tall, fruit immature, each cell 2-lobed.
June 3 -
Information from the Guam mission girl at Stells of Minnesipo.
Young seeds can be taken in.

Cyperus cincinalis (Sedge) are pounded up to persistent sores in face; cleanse the sores in a few days.

The juice of boiled leaves of Mananakia charantins is drunk for ulcers, also to clean intestines in case of indigestion and gas. Leaves of "kanaloa" (other pain) are used for gas or asthma.

Barks of Thrinamia catappa, treated with heated coconut oil or other oil added, wrapped hot around strained ankles. Heart of base of dead banana stalk used to promote and cure deep ulcers.

Guam

Alman Hill said that in certain of the Matlock Is. it is believed that eating fruit of Manana citrifolia by a man has a contraceptive effect.

Joe Tunes says gab gab (Tacca leontopetaloides) tubers crushed and washed out of resulting flesh suspensions and for fever.
22  MARIANAS

July 4 - head of Coche Bay.
basalt road cut with
water seeping out -
Tetra valata occasional
in this cut.

Hot day, sunny with some cloud,
lighter at dawn, and
Jumullung Mangro's
and slope of Jumullung Mt.
has been burned
as well as the road
work - bad crossing
near have planted.

Along road off the
mountain a number
of Cyathea humilis
then Miscanthus and
edges of thicket.

Melastoma has white
flowers, Polygonum
paniculatum very common
in wooded places.

On limestone crag
to north of road is a
patch of thick scrub -
Aglaia, Elaeagnus,
Quercus, Pandanus, etc.

The limestone is very
dissected and rough.
The edges for a few
m. are lined with
Miscanthus, and
some clumps are
near on the top of the

Limestone ridge, leaves
quite wide. Melastoma,
Aglaia, Maesa, Piper
ghumamon, and an
unidentified shrub.
Opposite seared vines
are common in the
undergrowth. Frangipani
also very common, a
few in bloom. Main herb
some Pipturus. The
interior of the forest is
moosy and cool.

Many ferns, asplenium,
Bethisia, etc.

July 5 - high limestone ridg,
with, of Talofafa Bay and
the plateau at its base,
above the road, covered
by mixed forest, with
small cultivated
clearings up on the
ridge at flat spots.
One place, high on the
ridge, appears to be a
plugged sink-hole
with straight sides
with caves in them.

Many swifts flying
around this area.

Nemedia common on
flora of sink-hole.

Not sunny day, some clouds.

Hard rain toward evening at Mua'a.
July 5 - high ridgeline north of Talofa's Bay in scrubby forest on rough limestone

Ramalina?

on twigs of dead tree

37 Cycas cincinnati, common

3. Musuna gigantea, climbing in tree in small clearing in

39 Annona

tree in small cultivated clearing

same - just below edge of rough limestone cliff in pits and crevices

40 Hedycarya reticulata occasional

July 5 - 'Pirate Cove', about 1 mile of Talofa's Bay sandy beach

Cannaralia rosea

common

Sapindus tsjentsoa

common

Guam

shrub 1 m. tall, leaves 1-1.5 m. long; rhophyles and tracts erect in a central mass

extensive vine climbing in tree, upper part with fruit, dead shoots growing from lower parts

tree about 15-20 ft. tall, petals 3, erect, very fleshy, pale green

dwarf shrub, 10-15 cm. wide, crushed very disagreeable, flowers white

prostrate vine, flowers bright rose

shrub 2 m. tall, flowers bright yellow
July 4 - south peak of Mt. Tamalpais
in thick mucky scrub forest on rough limestone

46 2413 Macrea
6 common
2 44 Medinilla rosco - sterile flowers?
common
2 45 Moinita umbellata var. glandula
occasional, climbing in trees

shrub 1.5 m tall, fls. and fruit white. Prostrate vine.

Twining vine.
July 6 - Mt. Lam-lam
with informant, Joe Torres.

Papaya aniti - like guavamary
not used
Abac - Psidium guajava
Tintenchina - Caesrum dimum
Ipo - Alloceasia
Stems soaked and eaten
in times of famine.

Nama - aerial roots cut into
sections, split and boiled;
water drunk as antipyretic.

Murraya citrifolia
budding heads chewed
with betel nut. "lada"

Parralia solida
used medicinally.

The road, from the
Lam-lam-funneling. Mango's
taddle nut, to Lam-lam
is not passable - in
places partly washed
out and overgrown with
Miscanthus, Ponea melan,
Piper, Alloceasia, etc. in
places.

Not sunny day with
some clouds.
**Guam**

- **June 6.** Mt. Lamnam
  - Jasminum simplicifolium: in scrub or limestone
  - Psidium guajava: in scrub or rough limestone

- **48.** Torea
  - Common locally in trail

- **49.** Maesa
  - Common in open scrub

- **50.** Beiloisia mucronata
  - Epiphytic on trunk of Pandanus tectorius

- **51.** Genrostema micranthos
  - Rare in scrub forest or rough limestone

- **52.** Piper guatemalense
  - Abundant in understory in open scrub forest or rough limestone

- **53.** Ceratium linnatum
  - Common in openings in scrub forest or rough limestone

- **54.** Torenia sambucina, globata
  - Rare in scrub forest or rough limestone

- **55.** Pisonia umbellifera
  - Rare in open forest or rough limestone

- **405 m.** Liana, flowers white, fragrant, corolla falling readily.
  - Stems shrub 3 m. tall, "alas"

- **320 m.** Prostrate, forming loose mat, calyx yellow.
  - Shrubs 2 m. tall, fruit translucent white, soft, when mature, not much flavor, but a slightly refreshing taste.

- **small erect tree 4 m. tall**, flowers white, being within fruit green until delicious, when it turns blackish; seed more range.

- **1 - 1.5 m. tall**, ribs fruiting spikes, bristly-red, pendulous, soft and mushy.

- **Pseudosapum anitii**
  - Shrubs 2 m. tall, flower white, fruit black, "tintam china".

- **Shrub 2.5 m. tall**, flowers white, fruit immature.

- **Large tree 20 m. tall**, buds dull pinkish white, 10 stamen in 1 n. 2 open flower.
1905  Mariana Islands

46256  Cycas cincinnati. L.  common in scrub forest on rough limestone
7  57  Macaranga citrifolia L.  common in open forest on rough limestone

3cm  shrub 1 m. tall, unbranched, seed immature.

58  Ficus pubiaca var. subalata  common in forest on rough limestone

3cm  shrub 1 m. tall, leaves glossy, flower white, fruit not quite mature

59  Humata heterophylla  epiphytic on Ficus trunk
1  60  Medinilla rosea  grand. common epiphytic and on coral rock, in forest.

51  Parallia solida  common on trunks of large trees.

8  62  Vittaria. common on trunks of large trees.

6  63  Piper gebamense  C. B.  abundant in undergrowth of scrub forest on limestone
7  64  Marinda umbellata var. glandulosa climbing in trees in wooded ravine

8  65  Tagrea pubescens  var. infest in ravine on limestone, epiphytic on dead tree
6  66  Veramanthus virgatus  roadside

30cm.  woody twiner, flowers creamy white, fruit turning yellowish, apparently yellow when ripe.

shrub 1 - 1.5 m. tall

"pupular uniti"
JULY 8. South side of Talofa’i Bay, near mouth of
Talofa’i River, and boulders at foot of
limestone cliffs.
Vegetation an irregular
mixed scrub forest
of Leucaena, Hibiscus,
Guanaxie, Melaleuca,
Pandanus, tectonic
Ochna, opposite-podis,
Ceiba with a single
large Intsia Cunningham,
and with Hibiscus
Hibiscus near shore,
carica in openings
abundant
lounging
lounging
Otherwise no herbaceous
growth at all.
General height of
forest 5-8 m.
Much rotting wood
probably still remaining
from typhoon 1945. Fungi
abundant on this.

JULY 8. Asarate Bay,
just north of Talofa’i Bay.
Back of road coconut
plantation overgrown with
Kearvola, Leucaena and
Weizelia.
Limestone cliffs back
of that with tangled
Hibiscus tiliaceus, Mammea
corinera, Ochna tinnogata,
Hibiscus tristis, Pandanus
Pandanus, Triphasia, thebe.
Papstones argentaeus.
and in upper part
great spreading, gnarled
twisted "Heitiera longifolia.
"Proserpin" abundant in
rock.
About 4 or 8 trees of
Heitiera seen at perhaps
35-40 m elevation.
1965 Mariana Is.

with

July 8 - north side of Talofogo Bay, near mouth

46247 Citrus vulgaris [red]

1 plant on bare roadside

same on talus at foot

of limestone cliff, in scrub forest

13 63 Melaleuca multiflora

occasional

15 69 Guaria mariannensis

common

45 m

25 m

small tree 6-7 m. tall

tree 6-7 m. tall: flowers

with 3 outer petals

spreading, somewhat

thickened, 3 inner ones

very thick, erect.

Tree 5 m. tall - [otherwise same]

[Same = 46167]

July 8 - Asanito Bay

2 in dense tangled scrub forest on rough limestone cliff

6 72 Prosopis pedunculata

common on limestone ledges

15 73 Haritiera longifolia var. Kanib.

locally common

40 m

stems fleshy, plant up to 50 cm. tall

marked, twisted, widespreadingleaves

with almost no trunk

low-tangled, thorny

tree; big, immature

scrambling shrub

petals white, large, rotate
depressed shrub, sterile
1965, Marañas

46277 Eugenia

2. 78 Heritiera longifolia, Kark.
locally common

with July 9 - west side
NAS Agaña.
m. con.

7 79 Melochia
common in edge of
shrub-thicket on bare soil

with July 9 - 7 o'clock
Phanta

29 80 Cnidocidus mex.,
cultivated in gardens

3. July 10 - Agaña
Cordia sebastera
planted as street tree

twisted shrub, white
flowers, spreading
branching, twisted tree,
about 8 m. tall, 20 m.
across

shrub, 3 m. tall

twisted, very thick-stemmed
herb, stems with soft,
pith, lactiferous, petiole
with lines of stinging
hairs on upper sides;
perianth, white, salveyan.
"Rafogan", leaves and
stems cooked and eaten
as a vegetable, stems
peeled after cooking;
used especially with fish.

small tree 3-4 m. tall;
flowering abundantly,
corollas vermilion.
July 11 - grid - vegetable stand
    selling
    radishes
    eggplant - long slender
    peppers - a very narrow
    in about 4" long.
    yard beans

    iba - Avenho bilimb

July 11 - nanayan, in:
    edges of garden and
    in garden itself
    bamboo roots very
    common; green onions in
    garden.
July 11 - about 1 mile north of Inarajan

83 Cyperus flexilis
abundant in garden
occasional in lawn

July 11 - Inarajan

4 Clusia hexapetala
planted as ornamental

July 11 - ¼ mile west of Inarajan, in savanna, hill

86 Phyllanthus saffordii
abundant

87 Wilkesia exilipes

88 \text{returns?}

89 \text{occasional}

89 \text{Lucuma}
local around old farm, forming dense mass
1905 - Marianas Is

July 11 - Nimitz Hill
Asphodelus fleischeri
planted in garden

July 12 - Canigada
Phorion
planted in garden

July 21 - Mile west of Marianas

Teramium latilabium
wound scattered
bushes in "lattu site"
in savanna hills

July 22 - Marianas
Panicium
occasional in low hedge
around garden
July 13 - NAS Againa, Trust Territory Compound.
Spermacoce, common around buildings.

5 96 Lippia modesta L. common, planted as ground cover.

Mays says the two forms differ somewhat. He is using them especially 46295 as ground cover.

July 13 - NAS Againa, Mays Nursery.

4 97 Geranium sandwicense, planted as ornamental

3 98 Phyllanthus common weed.

Guam

Erect herb, leaves dark purplish, green above, flowers very small, whisht white 4-petals.

Prostrate, peduncled heads, purple, calyx white. "Serrate form" as H. Mays, local nursery and landscape man.

Prostrate, peduncled, erect, heads purple, calyx white. "Ento-leaved form" as H. Mays, local nursery and landscape man.

In extensive planting in NAS Againa, says they are very aggressive, overcoming competition, esp. the mowed.

Plant 2 m. tall, much branched, flowers white, fragrant. Introduced 6/4 Mays.
July 14 - 1½ mi. w. of
Mamaloa; m. of
Maunaloa Hill
Semi-abandoned
plantation - with
coconut trees, semi-
open undergrowth of
Gloridior, Cyasia,
Assuanica,
Sabinum ciliaceum,
coconut seedlings, etc.
Cineraria very
abundant, up to 2 m. tall. Growing
dense patches. Whereabouts
Euphorbia, common
Dendrella, solidis
Hymata diversifolia
Helvisia muruca
P pHloris lanceata
Vittoria engleri
some Polypodium sed.
Aspleniium sp.

June 14
May reported to have brought in
several small yuccas.
years he brought in
Clerodendrum indicum
(big one with purple flower).
Three plants, from Mussa
Don Juan, brought in
May; tried to establish
them. One died, 2 surviving.
If these one went to impale.
The other,
Clerodendrum bungei
brought in by Mayo in 1954.
Pangola grass planted
by Mayo below government
house, controlled erosion
very effectively.
Catastrophe gigas, white form, brought in
by Hawaiians, but distributed
Mayo.
Clerodendrum indicum
very showy, large clumps
of 1½ ft. spread, outside
white inside, long stamens,
threaded with underground
runners.
Acalypha sessiflora
green form, distributed by Mayo.
Gardens radicans
grows well here but so
far has refused to flower.
July 14 - I'nanajari, along road just back of town. Diospyros discolor well, doubtless planted.

July 14 1½ miles w. of I'nanajari, north of Umamit, w. of Andokrile, near I'nanajari river. Acrostichum aureum, in ravine bottom in muddy soil.

3 01 Cerbera dilatata, Mangle. Common in ravine forest, notches.

Guam

Tree 10 cm. max. tall. Leaves, hanging vertically, young ones reddish, in bud only.

5 cm.

75 cm.

Leaves crowded, several on thick, stiff, reclining, tangled, some steel, some partly fertile, lactiferous shrub. 7.5 m. tall, much branched, tangled. Flowers white, somewhat fragrant, sepals suborbicular, equal in width, petals very broadly oblong, red just within, throat just over twice as long, and twice as thick as tube, strongly fragrant, with 5 strong and irregularly developed folds or flaps within, lengthwise, above anther, which are at base of throat, ovate-acute, acute. Fruit pendent, immatures, green marked with whitish.
52 1965

Marianas
same - in old plantatin

46302

Asplenium fibrile

uncommon on trunk of
coconut tree

7 03

Humata heterophylla

common, epiphytic
on coconut and cycad trunks.

2 04

Vittaria

common epiphytic on coconut
and cycad trunks.

same - in thicket

5 05

Beculina

occasional

well july 14.

Maigo (plant brought in by Jose Tope)

Euphorbia hirta

(incorrect)

02

Phyllanthus

Olmagosa

tea made from this
and used for fever.

Very bitter. Topping
July 16 - saw woman
most near airstrip
with skirt of inhuma.

village at s. end - Madabuqhu
weedy Acalypha "climbing"
instead.

lowlands planted to
cocoanuts, with undergrowth
of banana, Codiaeum, small
breadfruit trees, etc.
Polypodium acroptum
very common on ground.

W of Ngariq - Opalia

Dendran - of airstrip.

Gleichenia savanna
with shrubs of several
arts - Acacia impessa,
Commersonia floribunda, Melinaea
Macaranga, etc.

Nedytis is very common.

Further mirabilis
patches of Dendran.

Thololol, W of Gachiwara
mustangs big in number
used meddamente.

Gachiwara - in village

Jarl

Adilek
Kenny V.

Hydropones

In the central southern
part of Yap - southwest
from Colonia to beyond the
airstrip are substantial
areas of savanna - much
of it Pandanus savanna,
with grass and especially
sedge, much of it with
Gleichenia and miscellaneous
bushes.

Higher in hills to the
north is forest. Forest
in low spots is largely
Campnosperma.

In the central part
of Famul-Faqul are large
areas of mature savanna,
with Myrtles
and typical savanna shrubs,
much of this badly
eroded. In the low
area back of the mangana
are fronts of Campnosperma,
etc. Patches of tranq,
choked with Cyatiphera,
with an occasional plant
of Colocasia. Tangponsa
cultivated around
village. No Alorodia seen.
1965

July 16 - Toanj, west of Madagascar
around dwellings in low flat coconut plantation

July 16 - west of Myanji
exotic banana

July 16 - new pond south of
Degilkan. Yap
in savanna

July 16 - Thol, 3/4 mi.
west of Gatajan
in roadside thicket

July 16 - Thol, a job, 3/4 mi.
west of Gatajan
in roadside thicket
1765 Caroline 8x

163.16 Tristellateis australasiae

Common

July 16 - Gachipa,

Village

17 Gallica Polygala paniculata

Common

18 Petulae samburnis v. Poelln.

Fab

twining climbing
in trees; petals yellow.

flowers white
July 17 -

Very disturbed burned area, probably formerly grassy, on small banks, soil thickly covered by "inches" some of it bare, with Helonias, etc. Alyssum, Selinum, Polypodium, Heliotropium, Vinca.

Rangium sedule - sowal

Gazil-Tomil savanna, also burned, now being mostly sprouting from base after being severely burned. Breynia, Lechenea, Helastorh, Gymnadenia, Blechnum orientale, Nepenthes, Commersonia, Geichenia, Phaleria, etc.

Cuscuta, coming up and flowering abundantly.

Colonia
cult. Plant.
Clerodendrum thomsoni
Plumeria obtusifolia
Polyrias scutellata
Alyssum purpureum
Alyssum montanum
Iatrophia dianensis
Carnegiea gigantea
Cyanea cimicifolia
Cestrum nuxia
(Cestrum luteum, green)
Clerodendrum indium
Hedyelis coronaria
Manihot esculenta

Hedyelis, Myrtella, Mabiaea, Rhipheasandra, all common in adjacent unburned savanna, but not seen sprouting.

Scaevola and Commersonia seedlings in burned area.

Airinga - Mede

What appears to be Marattia graminea used for les.
"man man"
July 17 - 1 mile e. of Tegucigalpa.
*Tomil - Tegucigalpa*
in greenish savanna
on red soil.

46519
7. *Tremo*
common along road

5. 26 *Tremo*
common along road

Dioespyos peruba var.
in scrubby thicket

3. 22 Achosmus calostachys
occasional

6. 23 *Euzya nitida Koth.*
common

9. 24 *Myrtella bennigseniana*
common

27 *Dianella ensifolia* (L.) DC.

can.

1. 28 (rare)
in bare soil along road

1. 29 *Stackhousea*

rare in bare soil

3. 30 *Anisala*

common in burned area

Shrub 1 m. tall, stems
with unpleasant odor
when cut; flowers pale
green, fruit immature
same

Small tree or shrub 4 m.
tall, much branched;
fruit yellow turning red;
small tuft, stems
ascending & erect,
except shrub 3 m. tall
fruit immature to 1 m.
compact shrub, flowers
white,

except shrub 4.5 m. tall;
flowers white.

Flower blue.

Twiners, climbing on
dead shrubs; told only.
1965 Caroline 2s.

July 17 - Dalipetinau Dist.

near Yap High School, about 1/2 mi. of Colonia

eroded grassy savanna

Phyllanthus

common on bare ground

Salomonia cantonensis; soon
occasional on bare ground

Phyllanthus

common on bare ground

Vigna manihurr

involute on bare ground

Halonhago

typically abundant in bare ground

July 16 - near pond south

of Deihen, Yap

Nepenthes roraimae

occasional in

Gleichenia savanna

July 13 - same as 4/13/71.

Madre

July 12 - Mala's, near Kanifang

in rather dispersed village

area shaded by coconut trees.

Pteris trinervis

occasional

March 1982

invasive

March 29, Angiopteris erecta Hoffm.

near

yap

stems prostrate

flowers blue

erect, leaves

closing at tip, collectively

erect, flowers white.

erect

flowers brick-red &
greenish.

small erect clump

leaves grayish-green,

corncob-like.

shrimp about 3 cm thick, oval,

shrimp-like, stipe, erect

stipe stipulate, fronds spreading,

stout, pinna articulate
Red U.S. m. 1.7 inches

"gario" callarics

"Abách" Crabens
fruit said to be boiled
and eaten.

Tah - Cynthia
Men - Colocasia
Tol - breadfruit

Pan - bananas
("denai" in timi gqiyid)

Pan also in squash & pumpkin
"pan ayapamani" -

"guregu" = orange

Peperomia pellucida
Boiled & water used for
boils.

amuh - pep. pellucida

Biai = Asnorphyllyium
(spider, a octopus)

Relm - Tilibu

tern - biea

dem - Antrophyum

gab a gao - polyhot sco.
Caroline Is.

46.340 Callicarpa candidans (Gunn.) Turcz.

occasional on old rock platforms

Phyllanthus

common locally in slight open places.

Crateva

species Volh. common understory tree

V* small shrub, flowers white, "garlic" conical

with unpleasant stale onion

tree 5 m. tall, trunk wide often from base, petals white, turning yellow, stamens maroon, fruit (multiple) stringy, speckled with white, pendant, varying in cross section from round to square in somewhat oblong "abel" fruit said to be boiled and eaten, to have been much consumed especially after World War II. stems flexuous, plant said to be boiled and water used in treatment of boils, "amulets" stems fleshy, prostrate to erect, flowers white, coryzidal tube inflated.

small tree 5-10 m. tall, flowers dull whiteish, lined with brown, rhizome horizontal, short, thickly covered by roots and fronds, "tilibu"

not flat, closely adhering to bank, fruit immature, "K'ai" (meaning shade, a violet)

47. Peperomia belluloides H.B.K. common on rocks

48. Pilea microphylla L.

abundant on large rocks

Hedyotis biflora (L.) Lam.

occasional on large rocks

Ononis?

common, planted for hedges

47. Pteiris quadriaurita L.

common especially terrestrial

48. Taeniocephalum

occasional on mossy tree trunks
46 349
1 50 Digitaria
uncommon
very local, on large
mossy rocks.
2 51 Bisera hellegophora
occasional
52 Antrophyum catullatum
locally common,
epiphytic on tree trunks.
3 53 Psilotum nudum (L.) Beams.
very, epiphytic on tree trunks.
1 54 Dendrobium
very, epiphytic on tree trunks
55 Polypondium scolopendria
abundant, terrestrial
2 56 Nephrolepis biserrata (Sw.) Schott
occasional, on rock.
2 57 Passiflora adulisims
planted

erect shrub, flowers
delicate, decumbent or
erect.
sterile shrubs 2-3 m tall
"nay" or "len"

flowers orange.
rhizomes horizontal, creeping
extensively, spreads, and
(eaten by small
caterpillars), "job" or "gor"

vine, but only said to
have been brought-in
by agriculture dept. &
supply vitamins.
July 20, left Yap on M.S. Rogue at about 6:30 a.m.
weather completely overcast and rainy.
July 20
Arrived Ulithi at 7 a.m.
Alarmed Moogam 8:30.

Upon landing Moogam appears covered from end to end with coconuts except for short sand banks. An insuperably thick tangle of other trees shows here and there. Several boat-hour here and there along lagoons. No large vegetation or areca palms. Many young coconut trees under old ones along lagoons.

A small box sandbar 100 m. or so east of Moogam in reef.

Moogam

Phrynizaens suff. 'goyal'

Yap - Ulithi

Moringa oleifera "kol"
Callianthus "hutan"

Fruit eaten when dried. Used medicinally also to make wood for building (very hard, heated and applied for backache)

Muntingia calabura "tunic, drun". Fruit eaten Raw.

Carica - "papaya"

Zypogon tenuifolius "tun, during famine. Yap, tawu, bone.

Cinnamum - Machia

Sweet potato "parroni"

Phyllanthus harnasal "piki"

Pseudangusia atropem "poe, during Yap, tawu"

Musca "myth"

Cassia or "hialang" leave used for leis.

Catharanthus "with leaf set", into living pap. tree

Cataereg "rabor"
Blechnum - "yernal"

Chryseum - "pauiw" in half time

all grances - "fadet".

Pilea "humi"

Alocasia "felei" stem eaten

supa canoe - "malial"

Derm "tang "

Hebrosa hyd. "pina" in pap. un

Tilistead. "howal" used for medicine fruit eaten.

Plumeia rugs "soul" brought in sugar time.

Uwas

Francis - "minum" posts of boat house of coconut trunk. other guy perhaps not given her.
with
M. Evans July 20. - Moojepay Islet,
around dwellings in
village, shaded by coconut
fronds, locally common.

59. Catlicarpa cardicus, (Burm.f.)
once

61. Muntingia calabura L.

61. Gynia tennerpellois Tin.
forming dense carpets.
locally very abundant

61. Phyllanthus
locally common

63. Cassia occidentalis L.
locally common

64. Catheranta rhosus, L. & Don.
locally common

65. Ipomoea batata, (L.)uin.
planted

66. Calliandra speciosa, Voill.
common understory tree

67. Oenothera repens L.
occasional

68. Artemisia vulgaris L.

Ulitthi
Informant: Francis Uwas

plant purplish, calyx white.
"yowal" (name applied to
several small plants)

sprout sterile. "kata"

small tree, 4-5 m. tall. flowers
white, said to have been
introduced during war.
fruit said to be edible.
introduced during plantation

"hamatum yipi"

flowers yellow "kaiatinga"

leaves used for tea

dwarf shrub, flowers magenta

(white flowers form also here)

"mitho euppye" (creepers)

"hamatö"

tree 4-5 m. tall. petals
white, turning yellow.
stamens reddish, "ibelidh"

"fruit eater" "shich" (Tahitian).
prostrate, leaves white
beneath. "yowal" (name
used for several small plants)
aromatic herb, "jaro" built
used for tea because of odor,
also medicinally.
1945 Carolina 24
July 20, 1945

Aftermaico
Cassava
Tofino
Cortello
Agapinis monilis
Licaria nodiflora
Clephylthum
Tarce
Hymentolda
Thuessa "kar"
used to make lei
Epiphyllum "adulniang"
used for lei

Hymentolda "wathering"
Plants used for lei
Hortello

Patoa longicaulis "hame"
Toled with sugar and eaten
Grammicum antiquum
Humus nastum
Anacardia excelso
Hibiscus tiliacus

Lepturus "laiter"

Vienna "holo"

Momoro "devoe"

Melodri "anuana"
Eugenia "paria" fruit eaten when red otherwise.

The village is shaded by coconut trees with scattered breadfruit, with a few Canavalia, Mucuna, Hibiscus tiliaceus, Capivas, etc., as a very irregular, very open understory. Eastward from the village the coconut plantation continues, with a much denser understory of Premna, Hibiscus pipian, Medelia, Astrocaryum, Mucuna, Canavalia, Terminalia examinata, Ficus tinentini, Eugenia, etc. Polyposium, Albacasia, racemosa, nephrolepis, and many weeds cover the ground, especially near paths where Euphorbia, Wedelia, Vigna physoides, Clematis, and other grasses become abundant. Cassytha on the trails, as well as in the village, Zygia, Polypia nodiflora, and Centella, form mats.

In small clearings sweet potatoes are grown, Albacasia, and Xanthosoma violate.

This is the first place where I have seen Albacasia planted and tender sweet potatoes in small depressions with weeds thickened.
1. 70 Ficus carica Hance.
    local

2. 71 (misc.)
    local, on coral sand soil.

3. 72 Antocarpus altilis (Park.) Trel. (common)

4. 73 Citrus
    planted

5. 74 Euphorbus javanicus Houtt.
    common

6. 75 Antocarpus mariannensis Trel. common

7. +76 Chrysothamnus spicatus (Retz.) Trel.
    local

8. +77 Blechnum Brownei pubescens
    occasional

9. +78 Vernonia cinerea var. parviflora
    occasional

10. 79 Pilea microphylla
    common

11. +80 Cleomaria (L.) Gaertn.
    common


utchiatep

herb 1 m tall, flowers with red callys, yellow corolla, "kwe" - named introduced in Japanese time, so named because another plant with same shaped leaves, with this name.

shrub 1 m tall, flowers scarlet. "barbie" ( Assuming "flower need for lei"

"wum"

tree 1 m tall (other much larger), lacifera, young fruit cylindrical, dried flowers - "mai mai" monoeccious, small tree, sterile, young leaves - scent gray-green in tufts.

"fadul bulbo" large tree, "manol"

fruit seedy - creeping, fruiting calm erect. Introduced in Japan. "fadul" (spp)
1965 Caroline Dr.

4-28
Alcesias mariahuana (L.) S. & Z. occ. (planted at least in Assn. lot)

5-2
Cyperus myriophyllum Endl. rare

5-3
Oximum sanctum L. occ. planted

5-9
Hibiscus rosa-sinensis x selaginella? planted

5-25
Ficus tineciro Fort. rare

5-30
Eragrostis Tenella (L.) Murray occ.

July 28
Istlet on coral soil around building in village

5-87
Cassella asiatica (L.) Urb. common

5-88
Lippia nodiflora L. very common, (not seen in mangrove?)

5-89
Trichac procerum L. common to abundant locally

1-90
Emilia sonchifolia (L.) DC. occ. occasional

5-91
Euphorbia cyathophora Munro common locally

5-92
Hachypetal Jambacanci (L.) Vell. occ. occasional

6-93
Dentella africana Forst. locally common

Withi atcf
caulescent, "pellet" stem clothed and leaf
heads white
aromatic herb, "dancing"
shrub, flower scale, "flora"
sterile shrub, "hawai"
used medicinally
fruit eaten

Creeping
Creeping, forming mats, flowers white
rays white
heads purple
ered, base of tract red.
"abutilan" used in lei.
flowers light blue
very prostrate, flower, white
1965 Caroline Do.

**Panicum ambiguum**
- Common
- Very local

**Potentilla**
- Common

**Cyperus compressus**
- Common

**Euphorbia dentata**
- Locally common

**Hedyspernum nepicosum**
- Local

**Vigna trilobata var. major**
- Common

**Alysicarpus**
- Rare, in small mat

**Mammee odorata** (Raf.) Kost. Kots.
- Rare

**Carica papaya**
- Very common

**Widdinia bigelia** var. Melochia
- Occasionally

**Premna obtusifolia** R. Br.
- Very common

**Uthiri atoll**
- Culms procumbent
- Fleshy, brownish green
- "Bagmi" boiled with sugar and eaten
- Very tufted, culms spreading

- Leaves, rather glaucous, plant decumbent.
- "Jati" creeping vine, flower yellow, "holo"
- Prostrate, flower flesh color

- Specimen from sterile shrub, 1 seeding, 6 ft. high, flat, apparent, still battered by typhoon, almost leafless, "hovee"
- Small soft, stemmed tree, "papaya" "baamun"
- Stippled, flat, "jati" shrub 3 m. tall, feet, skin white, distally, "aroma"
- Shrub, flower green, "rai"
Carry the California l. common, parasitics on many other plants.

Terminalia sasensis Red. occasion

Melochia occasional

Wedelia biflora (L.) Dc very common

Neptunia hispida occasional, growing on side of rotting coconut trunk

Pseudoficus selostemata very common

Hymenocardia littoralis (Jacq) planted

Pipturus argentus occasional

Hedychium nudicaulis locally common planted

Xanthosoma violaceae planted

Aechmopanthes very local

Ulithi Atoll

Leafless vine, stems very green (or at all yellow) flowers white, fruit immature "hit" whole plant eaten by children shrub, fruit immature "hit"

Shrub 2m tall flowers crimson, white distally, fruit immature sprawling expanse herb, resin odor, "yat-yat"

Prated, erect, "mara"

Pond, erect from ground creeping rhizome, pond mostly mult. large than entire plant in specimen leaves distichous, basal scales 1.5 m, high, with compressed somewhat edge sharp flowers white, "washing" flower used for tea, most inferior have some flowers broken off shrub, sterile "ama" fernie eaten said to be very sweet stems fleshy, "ama"

Petiole and veins stipule leaves glaucous, "ya
1965 Caroline 30.

4.17 Physalis
common

5.18 Solanum nigrum L.
occasional

6.19 Phyllanthus amarus
common

6.20 Eugenia
rare

7.21 Achyranthes
locally common

8.22 Physalis
locally common

8.23 Phyllanthus
rare, no plant seen

6.24 Acalypha
rare

4.25 Oenothera gynanthes, mutabilis R.B.

4. + 26 Dactylroxenus aegyptiacus (L.) Will.
local

1.27 Conyza canadensis v. multid. (not) CC.
local along trail

31.28 Taxa lent Metaloides, (L.D.) R.K.
locally common

7.0.29 Fitomisia flexuosa
occasional

4.30 Eleusis?
very local

4.31 Digitaria
very local

Ullumi at 4.

stems green, flower umbel.

flowers with central rays, tips of lobes yellow, flower white, ripe fruit black

true to m tall, some tendency to caudex, long stems with
tails up to 1 m tall

embarbied shrub

creep

prostrate, leaves white beneath, flowers pinkish

culms thin, spreading &
ascending

creep

scapes almost 2 m tall,
leaves very complex,
6 dm. across, "noemi
slub 2 m tall, fruit
immature, "kawan"
creep.

culms ascending.
Caroline Is.

40432
1471 242
Convolvulus tricolor, R. S.
common very locally
Euphorbia purpurea, (Euphorbia)
common in open cultivated
Physalis angulata, L.
common in open cultivated
Euphorbia chamaemii, (Euphorbia)
common in sand. 10% of beach
Penicillus acutifolius, F.A.
Dormula perennis, benth.
abundant in full sun
Euphorbia chamaemii, (Euphorbia)
common
Polyphyllum sclopendrix
common
Triumphia procumbens, F.A.
abundant, forming mats.

Within atop

Euphorbia chamaemii, (Euphorbia)

1.8 m tall; flowers greenish yellow with

small tree 4 m tall.

July 15 - Arr. Islet
on the lagoon side of
a high lagoon beach ridge

Euphorbia chamaemii, (Euphorbia)
common in sand. 10% of beach
Penicillus acutifolius, F.A.
Dormula perennis, benth.
abundant in full sun

prostrate, leaves white

shrub 1 m tall, rather

prostrate, flowers white

prostrate, flowers white, elongate

to some meters, flowers

deep rose purple

spread, shrub, leaves white, beneath

spread, shrub, leaves white, beneath

prostrate, flowers white, elongate

flowers yellow

small tree with prop roots

1 m tall, fruit from ground beneath

flowers purple.
Within atoll

Shrub 1.5 m. tall: Capella lobes edged with pink, otherwise white.
Shrub 2.5 m. tall: leafy, fleshy, frost green; flower white, in stages from bud to young fruit in different cyms, "che" small tree, sterile.

Shrub 3 m. tall, flowers white, fruits small, all stages, "che" fruit eaten raw with mick.

Shrub 1.5 m. tall, spreading, leaves greenish white beneath, nifty fruiting receptacle white, soft fleshy, prostrate with ascending branches. Flowers yellow, sterile, small tree.

Prostrate, forming a low mat. Small tree leaves pale beneath. "Hultra" unbranched seedling 0.7 m., herb 0.7 m. tall, base of leaf white.

Laeaeola taccada (fam.) Robb, occasional on top of ridge.

Transectia argentea L. f., common.

Pisonia grandis R. B., near top of ridge, local.

Moringa citruspolis, common, near top of ridge.

Pipturus argenteus, very common, locally forming mani compound from

Triumphetta procumbens Fam. f.

Barringtonia asiatica (L.) Kuy, near on top of ridge.

same - inner part of west end of islet.

Hourea involuta (fam.) R. B. f., common locally.

Fibiscus tilicaceus, occasional in thicket.

Lecaeana longiculata (Low) Whit, rich after seedlings only seen in clearing.

Euphobia cyathophora, Mure, occasional, with red frms.
1905 Caroline D.

Yucca Filamentosa (Schlecht.) Don. occasional
Melostra
very common in thicket on slack gravel
Fleurya nudiflora
common on slack coal yard
same - on seaward beach ridge
Hedysarum albidii-punctata (Owens) 706.
small colony on rocks on inner slope
Callicarpa candicans (Gamble) Hull
common in scrub
common in thicket
Guerardia teretifolia (Parks) L. rather rare
same - in front wall
in front outer beach
Fippius nodiflorus (L.) Rich.
tall
Timbistylis cymosa R. Br.
very in thick herbaceous vegetation under coconut
Parthenium samoensis (Benth.) in cultivated clearing, common
Cyperus juranicius ?? in clearing

Within itself

stem twine

shrub 1.5 m tall, flowers with red center, petals white distally, bushy herb, stems fleshy, bright red.

Plant spreading, leaf thinly fleshy, corolla white.

shrub 2 m tall, leaves white beneath, flowers white, twine, corolla magenta, with

stems decumbent to strongly ascending, flowers white, said to have

rostabs, fleshy, flowers yellow.
1965  Caroline Is.

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1  61  Nicotiana tabacum L.  occasional
1  62  Plumeria rubra L.  occasional
1  69  Diospyros occasional
2  70  Calophyllum inophyllum rare
2  71  Cucurbita maxima common

---

shrub 1.5 m tall, sterile.
herb 1 m tall, sterile.
shrub 1.5 m tall, sap milky, stems 2 cm thick, small twigs, stems narrowly ovoid, sterile, small tips, sterile.

extensive vine; leaves gray, spotted; flowers orange, fruit with somewhat narrowed neck, fruit straight, pedicle suddenly expanding to 2-3 times diameter, where it attaches to fruit. "calaba" shrub to 1 m tall, astringent, sterile.
shrub 2 m tall; leaves dark maroon, sterile

small tree, somewhat yellowish, green, sterile.
shrub, much branched spreading shrub.
feathery, much branched leaves; flowers crimson, herb 0.6 m tall, with very strong disagreeable odor, flowers many, shrub 2 m tall; leaves very yellowish, green, sterile.

---

1  72  Polyalthia longifolia (L.) Henn. planted as hedge
1  73  Pseuderanthemum cannabifolium var. atropurpureum (Hill) F. D.

Plants

1  74  Ixora cinnamomea (Park) Fab. planted
2  75  Iridium quijope L.  planted, he says
4  76  Mirabilis jalapa L.  planted
1  77  Tagetes planted
1  78  Manihot esculenta  planted
1945 Caroline Is.

Omar Islet. - east end
is surrounded by a
very high boulder ridge,
certainly in places up
to 5 m. high, at least.
In places on both lagoon
and seaward beaches,
the slope of the ridge
are bare and black
in other places covered
by a mat of vegetation
- chiefly.

---east side

- of lagoon -

Two tiny islet in separate
sacral of reef, the
northem one apparently
gravel, with some
debris accumulated in
it but no plants
visible.

The southern one is
mostly sand, built up at least 1-2 m.
more gravel at ends,
has a small group of
townpottic with 2
taller emergent
from it, 2 coconut
seedlings on the sand
platform which is much
larger than the townpottic
grave.

Utirii Atoll

July 21 - Juliiy Islet
West end has high
sand dunes on south
side, probably 3 m.
Cassowary used as baby food
Mother cleans it up for baby
"nilul" (Eda) "nilul" is the
infant
Calepygillum "fitory"
Dennia "ian"
wood for canoe paddle

On south side, at least,
the beaches are sandy.
Two broad flat short
series of beachbroken south
side.
A strip, asphalted, now
west end from n.e. to s.w.
Cyrtospermum, with
some Colocasia, netvax,
indigio, teteri, elieina,
Alternanthera, Ceratplax, etc.
A hulster-thighed curlew
in open area.

A brown body, almost black about head.
A flock of common noddy
flying near second islet.
500 m. north, circling very close
to water, several others flying
in pairs over the lagoon further
away.
July 22 - Galgalap Islet. High sand dunes.

1. 81 Cassytha California L.
   Generally common, sl. pegs.

4. 82 Squalus repens var. repens
   Rare on top of.

4. 83 Cassalpinia Indica
   One plant seen on slope of.

Same - in open or partly
open ground around.
Form coast guard statin.
Now high school.

84. 84 Sphacelium Virginicum L.
    Locally common.

85. 85 Anuranthus viviide L.
    Occasional.

86. 86 Cephalis thyrmifolia L.
    Very local.

87. 87 Cephalis chamac Yez L.
    Very local.

With: Atoll

culms caespitors, spreading.
Descendant, slightly
ascending.
Low shrubs 0.8 m. tall.
heads purplish, at roots.

green leafless vine.
flowers white, ptilinum
"ilul" or "ilul" vine.
and chewed plant fed
toabies, chewed first.
y by mothers.

long stolons
sterile vine.

Plants badly trampled.
prostrate, grayish green.
prostrate, stem red.
leaves green.
Heliotropium capitatum, despairs
20. Chrysogonum aciculatum. (Reg.) Thun.
71. Ficus tenuistipula. Frost occasional in thicket.
91. Desmodium canum. Abundant along path
same - in rather low moist ground near airstrip.
71. Ixora flabellata. Abundant.
12. 96. Scoparia sphaerocephala common in meadow of Pasalun dite
With at.
flowers white
20. canes 1 m. tall. "mabie" prostrate, sepals erect.
flowers orange.
shrub 1 m. tall, fruit pale green. prostrate & erect, flowers dull reddish.
prostrate. Tlf. ascending, all seen sterile.
Plant with long handles from a large fasciated plant 1 m. tall. (all seen fasciated heads white.
I matted prostrate stems, erect branches. clumps 1 m tall.
same as #40498 but certain clumps with shaggy spike, viviparous.
Echinochloa crus-galli
occasional in mud
03

1965 Caroline 21.
106

Cyperus into?
very common
same - in Caspia marsh
2 01 Cenotaphion Thalictroide
occasional submerged
3 02 Alternanthera repens
occasional in mud
03 Echinochloa crus-galli
occasional
2 04 Bidens pilosa L.
Plants seen on bank of
2 05 Colocasia esculenta (L.) Schott
common, planted
06 Cyperus esculentus L.
abundant, planted
07 Ludwigia octovalvis (Pau)
Common

Eclipse alba (L.) Hassk.

July 24 - Anchored inside last entrance to lagoon.
mechanic is get a line.
left for Yap 1/2 a.m.
to get radio repaired.
Arrived Yap 130 p.m.
July 25. Rained hard
in afternoon.
This week has been
abnormally rainy both in
Ulithi and Yap.
1965 Caroline Do.

July 25 - Dakkebimawa Dist.

- near Yap High school, garden
- Castanopsis incana (l.) Gaertn.
- occasional in sparse brush along road

July 25 - outskirts of Colonia
- around dwelling
- and garden patches

- Santaneca camara var. aculeata (l.) Mart.
- near in thicket

- Hedychium coronarium Roxm.
- locally common in wet ground
- Psidium guajava L.
- occasional

- Pachystachys crenata (l.) Will.
- one plant seen

- Alpinia mutana (Andr.) Roem.
- planted

July 25 - ridge above Nimua,

- n.n.w. of Colonia
- thicket and grassy slope

- Polyodium verscendens • Roem. & Schult.

- Fanerocystis triplinervia R.Br.
- common

- Parasha aristulaca Font. occidental

---

- sprawling, sparsely branched shrub
- pinkish tinged, slender, manon

- slender shrub 2 m. tall; flowers orange-red
- rank herb 1 m. tall; flower white, deliciously fragrant
- shrub 3 m. tall; much-branched
- sterile vine climbing
- in tree

- rank herb; many
- flowered from base; calyx and corolla white; petals pink, dually stamined; red with deep yellow margins

---

- caesitosa; upper part of
- spineless flowering base part
- caesitosa
July 26. Rain, though not hard, all morning.
On road bet. high school and Colonio is a coconut with spicate inflorescence, said to be another introduced island.
Trail from Niman up to beacon on way to Mt. Matadeo starts in gardens and taro patches, around house, with breadfruit and mango trees, clumps of bamboo, etc. A short distance up they are often grassy slopes and thickets.
Cerbera manghas common - crottle tuber gradually dilated into throat, no abrupt division, throat not plicate within, fruits usually single, occasionally double, red when ripe, pendent, eye of flower black, red.
Grassland all the way to beacon being much less rapidly invaded by shrubs and trees. The following were seen in grassland:

**gap**

(Not including thicket and forest patches in ravine.)

* Hectodolada
* Rhododendron incanum
* Hibiscus tiliaceus
* Pedelia biplopa
* Premna atrafolia
* Osmosia?
* Pandanus tenax
* ordinaril, strand speces

The top of the hill is marshly, cut by channels into hummocks, with steep tangle of Hibiscus tiliaceus, Heliconia, Ascarina, and especially Andrographis, some Euphorbia umbellata.

Patch of forest dominated by Garseinia (2), which has slender trunks 10-15 cm dbh. wide spreading just about in lower 3-4 dm., reproducing abundantly in an shaded. Also long and Psilotalis in undergrowth of Garseinia foliage.
1965 Caroline's
4 45 17 Firmistylis
1 occasional among grass
6 18 Ixia casei Karne common in thickets
19 Dealyphaea
6 19 Macrunda carolinensis common, invading grassland
5 20 Rhus common in thickets
6 21 Jaceaemum common in grassland
6 22 Andropogon? dominant in grassland
1 23 Firmistylis occasional in grassland
6 24 Diospyros virginiana var. in thickets
6 25 Hibiscus Tiliaceus I. common in thickets
24 July 25 — Rima, in outskirts of Colonia along trail in wet ground
4 26 Lindernia antipoda (L.) Abt. common
26 27 Ludwigia hyssopifolia (L.) cv. "113" very common
130m
shrub 2.5 m. tall, flowers scarlet.
shrub 2 m. tall.
40m small tree about 5 m. tall, spreading, fruit black.
60m — trailing stems, inflorescence ascending
tangled culms, fruiting once erect, ascending
large shrub, 4 m. tall, stiffly branched, this plant extreme in smallness of leaves, fruit
30 m flowers light purple on a pale, erect, flowers yellow.
July 26 - upper slopes of hill north of Niman, 2.5 W. of Colonia in dense patch of low forest

46528 Melochia
edges of

5 29 Melochia
edges of

54 30 Macaranga carolinensis common in edge of

33 31 Ipomoea triangularis Volk officinal in undergrowth

3 32 (gutty) Garcinia dominant in - - seedlings abundant

4 33 Trichosanthes on tree trunks

1 34 Psychotria common in undergrowth

43 25 Psychotria same

3 24 Psychotria same

4 37 Psychotria same

July 26 - same, top of hill in shingly grassland surrounded by bushet

1 38 Spathoglottis occasional terrestrial

1 29 Spathoglottis occasional terrestrial

shrub 4 m. tall, flowers bright pink

shrub 3 m. tall, flowers white.

small tree 5 m. tall

shrub 3 m. tall, flowers all fallen, fruit flesh, fleshy

small tree 8 m. tall, with spreading properties; upper leaves much smaller than lower; sterile.

shrub 1 m. tall, fruit immature.

same, flowers white.

same

same

-170 m.

- - flowers pale magenta-pink.

- - flowers white.
1965

24540 Scorpoda taccada (Great) D.R.S.
occasional
3
41 Premna obtusifolia R.B.
occasional
1
42 Andropogon ?
dominant grass
7
43 Eleocharis
common
9
44 Wedelia bifida (L.) D.C.
common in edges
of thickets
16
45 Glochidion
common
7
46 Osneria
common
3
47 Fimbriatys.
common in marshy
ground
8
48 Nephrolepis Heterota (F. Matt.) 1976
very common

July 26 - Dalipolinae Dist.,
near Yalp High school
of Coleman
in cleared, disturbed
soil around new dwelling
7
49 Fimbriatys.
corymb R.B.
common
1
3
50 Myriophyllum calabura.
occasional

Tab

shrub 1.7 m. Tall, flowers
white, fruit white.
shrub 2.3 m. tall, flowers
very pale green, fruit
blue. Leaves when ripe
erect.

stems weak but erect.

shrub 2.3 m. Tall
leaves pendent from
Mandirra, fruit immature.
shrub 2 m. tall
flowers whitish with
some veins.

stems weak but erect.

"pah"

shrub, v. 5 m. tall, petals
white, fruit immature.
"pela"
Vernonia cinerea var. pennipes (08/07)
locally abundant

252 Mimosa pudica var. very common generally

253 Firmbristyli occasional on bare soil

41 54 Euphorbia recurvifolia Bl. very common on bare soil

65 55 Firmbristyli tristachya R. Br. very common on bare soil

27 56 Carex odorata frequent occasional on bare soil

4 57 Firmbristyli of dichotomous L. rare on bare soil

31 58 Mimosa pudica common

73 59 Ipomoea littoralis Bl. common in weedy places

Yay
heads bright purple
woody stems procumbent
ascending leaves green very sensitive; flowers bright purple
"manifest"
small tuft, erect, "push"

erect tip arching off"milly"
flower white, "bulbulia"
capillary, culm erect, basal part of spikelet sheathing seeds and scale, sterile part of flowering "push"
very prostrate, sterile radiating from a root crown; flowers yellow
"dan'nil"
"guruguch" a "guruguch"

"tangles, stems prostrate ascending leaves + stems green leaves somewhat sensitive touch; sterile "pali'ana" twine, corolla purple, "dil"
Mimosa - palang
Fimbriatyla guiquetik
Cerberis da mil
Fimb. mil. prah
Euphorbia tululuai
Zinth. prah
Mim. pudica dani
Derris dili
Martingia pelang
Fimb. epim. prah
Vanuatu mamii
name from "Tul a Tean", chief of
"Tuna Village,
May
A large tree of
Ravenalad madagascarica
at old Japanese Agriculture
station site. Said to be
over, the island.

Helminthostachyzyphania
brought in.

Ficus elastica in Colo.

What appears to be
Mimosa involucra, but is
not at all purplish. is
common, forming very
unpleasant tangles.
All seen are sterile at
this season. (#46558)

The Mimosa prudica
here is much more
robust, woody, and
quite prickly, compared
with the plant. The
branches tend to be ascend-
(#46552)
July 27
Pandanus savannic with Leaevela and grass 105 3-4 ft high
Pandanus tectorius - up to 3 m tall, irregularly spaced, 2-3 m
Calophyllum inophyllum scattered saplings
Leaevela taccada - very common
Decaspermum guttatum common occasional shrubs
Commersonia hastiana occasional shrubs
Melastoma occasional small shrubs
Macaranga occasional small shrubs
Rhus rare small tree
Glochidion occasional small tree
Vernonia occasional shrub
Timmer occasional shrub
Hedyotis common small shrub

Yab
herbs, Sphagnotrichum
Andropogon? - dominant grass
Rhynchopora annua
Helicia
Hyptis capitata
Neptunia
Byzozodium scoparium
Dasystipa californica
Byzozodium cernuum
Plectranthus
Rochytocheta triangularis
Mimosa pudica linn.
Gleichenia linearis
Hepthera mirabilis
Tacea dentotetabola
Tumiflora
On bare area
Dinera
Andropogon
Andropogon
Lepturus
Phyllanthus
Phyllanthus
Glochidion
Euphorobia
Phyllulaca paniculata
Castalytha
Rhychnapora annua
Euphorbia rosmariniana
Gleichenia linearis
Hepthera mirabilis
Tumiflora triaspicula
Alpinia
Cunniliga ochridae
Further along road Pandanus is much thicker, shrubs also more numerous. Locally, in more open areas Hypochoeris cavanum is abundant, even dominant. In depressions are forests, principally of *Eichospermum* and *Pandanus*. A few spindly shrubs of *Decaisnienia*, *Leandra* and other savanna species. Water seeps out over the ground at least after rain. Very little ground cree. Many vines - *Cassytha*, *Hemera*, *Calothugonum*, *Asclepias*, etc. In edges *Adenia* spp., *Lindera*, *etc.* are very green. 7 h 30 Am.

July 23 - Left camp for within 6:30 a.m. Weather hot, intermittently sunny, intermittently thinly overcast, a shower a few in sight. Arrived about 8:30 at endcamp.

Shrub 2 m. tall, old leaves red, fruit immature. Shrub 2 m. tall, old leaves turning red, flowers white, abscissa fruit green, hander shrub 1 m. tall, flowers purple. Shrubs 1 m. tall, leaves bright green, bullate, flowers dark blue.

Sparsely branched shrub, rather reclining to ascending flowers purple. ( وعدة)

Decumbent stems from root crown, low shrub, 0.3 m. tall, flowers white, pistil red, inner yellow.

Rhizome buried. (Plant out of, bare area much larger and more complex). Shrub 1 m. tall, flowers white, pistil of inner yellow, caecithor, some heads ciliated, non-ciliated, male, sterile. Plant erect.
1965  Caroline’s

46572  Aphermacoce
  2  common on bare soil
  2  Podranea (Maurandia dodecandra) (Koo) Mee. occasional
3  74  Halothamagi
  common on bare soil
1  75  Andropogon
    occasional on bare soil
12  76  Gomphopus tenuifolius Cass.
    occasional on bare soil
4  77  Phyllanthus
    local on bare soil
4  78  Andropogon?
    abundant
78  79  Ophiopogon
    locally abundant, especially on bare soil
48  80  Curculigo orchiidea, Jacob’s
    very common on bare
    clay shot.
6  81  Phyllanthus
    very common on bare soil
47  82  Eleutheris
    common in water-filled
    trenches.
48  83  Euphorbia
    very abundant on
    hilltop, especially
    on bare ground
1  84  Salomonia cantonensis
    occasional on Careground
4  85  Physalis
    common on bare ground

Yab
  plant, erect, purplish;
  flowers white.

  erect, flowers reddish;
  stems.
  rays yellow.
  protost.

  small tusks, calms
  erect, flowers pink.
  flowers yellow,
  about at surface of
  soil.

  erect, branches
  arching at tips; flowers white.
  flower blue.
  erect, flowers yellow,
  no brown area in center.
1945 Caroline II.

4658 Scleria
34 common
2 87 (fungus) on Scleria

July 27 - ½ mi. N.E. of pond near Perihan in 2nd secondary forest of
in wide stream valley
1 38 Desmochilum heterocephalum

1 39 Spathoglottis occasional in grass near

1 89 Spathoglottis occasional in grass near

1 90 Spathoglottis occasional in grass near

1 91 Schizaes dichotoma common under Trees
1 92 Schizaes occasional under Trees
1 93 Lindsaya emiliana common under Trees
1 94 Pschaenium occasional in grass at
5 95 Scleria occasional

7 296 Pandanmus tectonicus Park abundant

Yap
50 m.

50 m. smaller grain greenish yellow.

20 m.

Pandanus and Helonias
branched herb 1 m. tall. flowers bright purple flowers pale pink, column white, lip crimson with yellow prominence flowers white except for yellow prominence lower part of lip.

Leaves curled

Stems ascending

Stems ascending, sharply angled.

Tree 5 m. tall.
1965 Caroline Dr.

July 27 - Luex (Lucas)
- Village, southeast of Lantij
- In semi-cultivated
- Secondary forest around
- Dwellings

46.57: Bambusa arundinacea
- Common (Red) will.

2 93 Thelypteris
- Abundant

2 99 Centrochlaena lappacea
- (L.) Demm.
- Occasional

46.60: Dictyosperma alata
- L.
- Occasional

2 01 Tectaria crenata
- Occasional

2 02 Angiopteris erecta
- Hoffm.
- Occasional

4 05 Hedyotis?
- Occasional

2 04 Spermacoce acyloades
- Bum.
- Occasional

45.05: Lindera
- Common on wet earth, ledge

5 3 06 Dictyosperma pentaphylle
- L.
- Occasional

7 3 07 Lygodium cinnatum
- Common

4 08 Lygodium cf. floridicum
- Occasional

Yap

- Stems close together,
- Erect and arching at top,
- 10 m. tall, dark green,
- Up to 5 cm. thick.
- Branches erect, from horizontal rhizome, arching at top.

- Vine climbing in trees stems.
- Stems erect.
- Stems almost erect, 3 m. tall
- from cam-like rhizomes
- Fragrant when broken.
- Scrambling thick, flowers white.

- Vine climbing in brush and trees.
- Climbing in trees.
- Fruits fleshy, distally, then
- Sterile again.
- Climbing in trees.
July 29. Falaknuma. I forgot plantations with some trees.

Tree:
- Acacia
- Canara
- Hibiscus
tiliae
- Carica
- papaya
- Calotropis procera
- Ficus
- bengalensis

Shrubs:
- Diplopterys
- agrestis
- Premna
- obtusifolia
- Novemba
- citrifolia
- Terminalia
- samarum
- Fumaria
- Thunbergia
- nobilis
- Melochia

Herbs:
- Alpinia
- macrocarpa
- Vigna
- mungo
- seedling abundant
- Melanthera
- sandreeds
- leaflets
- Euphorbia
- chamissonis
- Euphorbia
- cyathophora
- Wedelia
- diastema
- Hesperocytis
- nodiflora
- Cassytha filiformis
- Thorogood
- prunatum
- Seminum
- indicum
- Pennisetum
- pectinatum
- Eragrostis
- bokue
- Festuca
- filiformis
- Cypripedium
- victoriae
- Regelia
- macrophylla
- Phyllanthus
- amarus
- Euphorbia
- hispida
- Bidens
- hamiltonii
- Helianthus annuus
- Neorhamphotheca
- cyathophora
- Papaver
- somniferum
- Cynanchum
- vicinum
- Tephrosia
- vicina
- Euphorbia
- nuda
- Leontodon
- aciniformis
- Schlegelium
- (vicious)
- Pennisetum
- green awng
- Musa
- sapientum
- (cult.)
- Musa navainum
- (cult.)
- Diplisus
- compositus
- (cult.)
This pits -
ridge of earth a
rider built up with
rude stone wall, central
part with mud piled
up almost to surface
of water, deeper ditches
along sides.

Cyrtospermum

Gomphocarpus
abundant - Cyrtospermum
tall, tall, 3 m. tall, 2.5 m.
petiole + sepals
smooth, perfect
cylindrical. A slight
articulation just below
blade, but 6-teade
ereed.

weeds:

Echinocyclo
Alternanthera
Blechnum
Ludwigia octoval
Blechnum geniculatum
Cyperus tenuifolius
Cyperus jamaicensis
Biscutiti, cyrno, cyrno
Blechnum pinnatum
Digitaria
Phyllanthus amarus
Vigna mungo
Parrina obtusifolia
Adeccia

Paspalum vagum
Beach ridge about 5 m above hi. Along n. coast 7 tidal cobbles to boulder lined below with sandy beachrock. This very coarse, shows signs of considerable abrasion, not lying. Reef flat no more than 10 m wide here.

Photos 1) view or erosion ramps.
2) view of beach ridge.
3) eroded part of beach not in water.

1) point 1 in case channels with eroding pebbles in them in water.
2) view of erosion ramp with beach rock remains.
3) pebble beach.
4) boulder ridge.
5) plot from top of ridge.
6) ridge.
7) veg plot & erosion ramp.

From top of ridge along ridge all toward toward west, as run over a little east.

With the man

Boulder ridge covered by a mixture of Wedelin, Callianass, Clam, oyster, mussel, and Terebratula. On sea part, Terebratula multivalves, small tectates, pedolithic algae, small tectate, polygonal scalpel. On ramp, tectate, echinoid, fucoid.

- headspace
- common
- sugar cane
- milk
- Aleatori- gelat
- lentil
- Chilean yoth
- fish, any, strong fish
- pink salmon
- tunafil
- hulaf, beach mud for cloth, fi. landers
- hot, man, chowder
- tahuya, nabiki

A Withi man said that Callianass estimates were not here in Japanese time, but came since.
1905 Caroline B.

Within forest

- Jama: casis, bacchus
- Peach: red
- Dico: *Tal
- Cate: already, fungus, cooked a new when it
- Lippia: said to have come during W.W.I
- Cali: no, pigs, not eaten
- Casi: no, not eaten
- Casi: casis (ground)
- Dico: red
- Casi: casis

Small number of reasonably healthy livestock young Acaci cattle in village, in sheltered place, about 3-4 mi tall (not collected)
July 29 - Talalay Island

- Under coconut trees
- Near two pits
- Common along path
- Near two pits

1. 10 Hedychium coronarium Korth.
2. +11 Barania tenuisecta (L.) K.K.
3. +12 Allophyllum timonensis
4. 13 Casuarina equisetifolia L.
5. +14 Dinosia tenuiflora L.
6. +15 Homalotheca Bl.
7. 16 Eugenia aequata
8. +17 Caesalpinia pulcherrima (L.) L.
9. 18 Citrus aurantiifolia (Christm.) Sw.
10. Bougainvillea spalida
11. +19 Thevetia peruviana
12. 20 Clerodendrum inerme (L.) Gaertn.
13. +21 Pseudanthemum carthesium

- Flowers said to be white "chinua"
- Small sterile tree, "hul" Wood and for canes and picture
- Woody shrub 5 m.
- Tall flowers white "tatae"
- Tree 10 m. tall "laloa"
- Sterile vine "galau"
- Sterile vine "chew" "rear" leaves used for food
- Small tree "harat" fruits said to be small, green or red, eaten
- Flowers scarlet
- Tree 4 m. tall, fruit greenish yellow when ripe
- Small tree, flowers yellow
- Shrub 1.5 m. tall, flowers white with many stamens and style, "haku"
- Shrub 4 m. tall, leaves maroon, flowers bright crimson
Plants of THE CAROLINE ISLANDS

Capsicum frutescens L.

Locality Falalap Islet, Ulithi Atoll

Occurrence Planted under coconut trees in and around village.

Date July 29, 1965 Alt. 1-3 m

Coll. F. R. Fosberg No. 46627a

Remarks "mix" (sheet mixed with another collection)

Sterile vine, "tong" tubers eaten.

Shrub 3 m. tall; flower white, fruit pink; when ripe, eaten.

Sterile vine, "tal" tubers eaten.

Digitaria Comm. in sweet potato patch

Orangum Comm. on galley, banana "trunks."

Wilkesi Windvar sams - on beach ridge

Melochia Occasional vines, midn. of

Yamoea tuba (fluence) For common m
Plants of THE CAROLINE ISLANDS

Capsicum frutescens L.

Locality Falalap Islet
Ulithi Atoll

Occurrence Planted under coconut trees
in and around village.

Date July 29, 1965 Alt. 1-3 m
Coll. F. R. Fosberg No. 46627a

Remarks "mig" (sheet mixed with another collection)
Dioscorea alata L. planted

Muntingia calabura L. planted

Dioscorea excavata planted

Artemisia vulgaris Specimen discolor

Olecrania oppositifolia occasional

Capsicum frutescens L.

same in coconut breadfruit land with sweet potato and taro patches.

Asmansanthus occasional in open or semi-shade

Digitaria common in sweet potato patch

Gomphocarpus (gomphus) common in valley, banana 'trunks'.

Wind-ward, south

Melochia occasional on inner side of

Ipomoea tuba (hedgehogs) Day common on

Withi Atoll

Sterile vine, "tory" tubes eaten

Shrub 3 m tall, flower white, fruit pink when ripe, eaten

Sterile vine, "tal" tubes eaten

Aromatic, "irana" small tree, flowers white, "mo" "mig" (sheet music will ankles)

Branched herb, 1.5 m tall, stems and fringes of staminaldiscs cily pink

culms decumbent to ascending white

Shrub 1 m tall, flower with crimson center, white edges.

Tangled vine; flowers white, closing at 11:30 am.
Caroline V.

**Hedystis albido-punctata** (Men) Forb.
- common in open areas in outside of
- **same** - near airstrip

**Cyperus compressus**
- occasional along roadside
- **same** - in taro pit

**Cyrtosperum chamissoni**
- planted in mud

**Lewithi CALT**
- prostrate, leaves firm, sub-fleshy, cordate-white

**acaulent**; leaves
- bright glossy green; 2 to 3 m tall; leafy cylinder, with 5-10 cm articulation, just below blade; blade end, 1-1.5 m tall; curved at summit; spadix firm, fleshy, brown-green; outside spike apparently of uniform flowers; "bula"

1. **Digitaria**
   - occasional in mud

2. **Eleocharis indica** (L.) Gaert.
   - common in mud

3. **Fimbristyli himalaica**
   - rare in mud

4. **Paphianthus amans**
   - rare in mud

5. **Blechnum broomei f. pubescens**
   - common in water

6. **Cyperus brevifolius**
   - very common, submerged

7. **Clidemia geniculata**
   - caespitose, head green
1965 Caroline Is.

same - on ridge of earth beside rain-fall
46643 Ficus foetida var. carolinensis

1 44 Phyllanthus amarus
common

same, along road in coconut plantation
44 + 45 Terminalia samanensis Red;
occasional in undergrowth

same - on bare coal
gravel in full sun.
3 2 46 Nostoc commune
abundant

same - on bare boulder
ridge of coarse coal rocks.
3 2 47 (blue green algae)

Utthi Atoll

shrubs and seedling
only seen

shrub 3 m. tall, flowers
white. Fruits immature.

dark dull drab green,
gelatinous, bladder-like.

staining rock very dark.
July 30 - Left Ulithi at 10:15 a.m. through pass between Begof and Maj Islet.
Begof has no visible plants, is merely a tiny sand bar with considerable debris, almost submerged at high tide.
Maj has a small grove of palm tree and two coconut trees.
A brown boat fishing near Begof.

Outside we headed east. On right ahead are Bululub and Bisjei Islets with a small one between them all apparently well vegetated. No details yet.
Aerial view of distance are Gielap I. and Jan I. also well vegetated. No details yet.

Then glasses from several miles north these islets are located on extensive white sand flats (even at rather high tide - they are rather well covered with coconut but seem to be predominantly natural vegetation, with coconut emergent from it. Nowhere do the coconut seem to form a closed canopy. The small islet between them has fewer coconuts. The reef between the three seems to form a continuous line of green and treeshy. The small islet to the east is merely a sand bar with no vegetation, almost connected with Bululub.

Gielap I. islets from the m.w. scarcely seem to be connected with a breaking reef from east the reef is clean.

Jan.

Jan has quite a few coconuts emergent from native forest, but not a complete canopy.
Gielap I. has coconuts only on the east, third, dark emergent tree (headfruit?) in center native forest in east half.
The native forest appears to be Tournesol or Arnhem, the tall trees in center could be either Casuarina or headfruit, perhaps. The coconut in the west end are, in one spot, very yellow. Veg. slopes gradually from east on gielaf, extends far to east. Appears to be lagune water, east of the two islets for some distance.

Photo: Julaf, Jan. gielaf, Jan. 13th, 11
then one of both islets at F11.

Arrived at Fai I about 9.30 a.m. amber has to sit still on beach, slight wave at the south end, a long way in the middle, a medium at north end. There are covered by a low tide reef flat backed by a sand flats with coconut plantations. A house in center, between there are vertical cliffs 3-10 m. high, mostly undercut between tide.

Top of island has coconut plantation, but between cliff edge and coconut is a strip with very low vegetation, then shrubs, then Pandanus, Barringtonia and several other trees. The low vegetation zone is discontinuous, appears to be grass, shrubs are Tournesol and probably trevola. At south end the cliffs do not have a grass zone, are rougher, seem to have Pandanus dactylas as well as trevola, and a wood shrub flat. Flat at south end has many building under coconut tree. Broad reef flat extending south, runs left in beach and out on exposed reef flat.

Went ashore at 3.15 p.m. at s.w. corner of island. Over broad reef flat, an almost indiscernible channel through outer edges of reef that is partly protected from the west by a projection of the reef under wave break. There a notion of an algal ridge. Much of reef flat seems to be a platform of large "reef" corals, Turbinaria, Acropora, coral reef, seen at E11. Trees very low. Beach here is sandy but with large patch of beach sand much avoided, turf and tea.
July 30 - Village on plateau, south end of island, around dwellings under coconut trees.

46643 Oximex canum L. in garden

1 + 49 Hymenocallis littoralis (Jacq.) Haas. species

1 50 Citrus grandis (L.) Osb. planted

1 51 Citrus sinensis Or. planted

2 + 52 Cuscuta filiformis Pulcherrimo planted

1 + 53 Wm. Smitha odorata (Retz.) Kost. one tree seen

1 + 54 Hernandis zonaria L. one tree seen

1 + 55 Capsicum frutescens L. uncommon

1 + 56 H. longiflora (L.) Don. very local

2 + 57 Palicourea conjugata. Begg weed in path.

4 + 58 Lycaena Hopei. Nance one bush seen

July 31 - inland from south end of island in cultivated sweet potato field

2 + 59 Clusia rosea acuminata local in edges of

Fairs

aromatic, flower purple

stature 1.5 m. tall

flowers white, sterile shrub.

small tree, sterile.

shrub 2 m. tall

flowers scarlet.

small tree 8 m. tall, sterile.

tree 15 m. tall, sterile.

shrub 1 m. tall, flower white

large shrub 4 m. tall, flower scarlet "flax"
1965 Caroline T.

1. Vigna marina (Burm.) Mey.
   common

2. Patula* [samoensis] var. foetida
   occasional

3. Ipomea batatas
   abundantly cultivated

4. Phyllanthus urinaria L.
   very local

5. Boehmeria diffusa var. mutabilis
   occasional

6. Paspalum conjugatum gay
   occasional

7. Acalypha humifusa Willd.
   common

8. Polygala paniculata L.
   common

9. Phyllanthus amnus
   occasional

10. Oxalis corniculata L.
    occasional

11. Sida microphylla Cav.
    occasional

12. Euchus aestivus L.
    common

13. Emilia sonchifolia (L.) D.P.
    common

    common locally

15. Paspalum dilatatum
    rarely

    local

17. Dioscorea esculenta var. fasciculata
    planted

FAIR

4666. Phyllanthus 343 Amananthus
4666. Acalypha pracera
4667. Acalypha 381 Euphorbia
4668. Acalypha 383 Euphorbia
4669. Melochia crenulata

WE AIN'T MAD AT NOBODY -- WELL, MAYBE THERE MIGHT BE ONE OR TWO.

flowers yellow
flowers purple
caesito, erect
erect
culus ascending
wine climbing on bush.
sterile
WE AINT MAD AT NOBODY -- WELL, MAYBE THERE MIGHT BE ONE OR TWO.
1965 Caroline Z.

1  44  Vigna marina (Linn.) Nutt.
2  51  Portulaca ramosa var. poehlii
      occassional
3  52  Ipomoea batatas
      abundantly cultivated
4  53  Phyllanthus urinaria L.
      very local
5  54  Boehmeria diffusa mutabilis
      occassional
6  55  Paspalum conjugatum Berg
      occassional
7  61  Acalypha lanceolata Willd.
      common
8  62  Polygala paniculata L.
      common
9  63  Phyllanthus amarus
      occassional
10  64  Oxalis comiculata L.
      occassional
11  65  Lida microphylla Cav.
      occassional
12  66  Cemochoe aetnana L.
      common
13  67  Emilia sandifolia (L.) D.P.
      common
14  68  Digitaria insularis var. lineata
      common locally
15  69  Paspalum dilatatum
      rare
16  70  Andropogon intamating R.B.
      local
17  71  Dioscorea esculenta var. fasciculata
      planted
18  72  Dioscorea esculenta var. fasciculata
      planted

19  73  Paspalum dilatatum
      very local
20  74  Andropogon intamating R.B.
      local
21  75  Dioscorea esculenta var. fasciculata
      planted

22  76  Paspalum dilatatum
      very local
23  77  Andropogon intamating R.B.
      local
24  78  Dioscorea esculenta var. fasciculata
      planted
Cassia occidentalis — occasional

Desmodium triflorum (L.) Dc. — occasional

Physalis angulata. — locally common

Phyllanthus emarginatus. — locally common at edge of

same — in coconut plantation on plateau

Premna obtusifolia R.Br. — common

Rhoeas spathacea — common around tree pit

Cyrtosperma chamissonis — planted in moist tree pit

Blechnum brownei var. pubescens — weed in moist tree pit

Hedyotis caryophylla (L.) lam. — occasional in clearings

Terminalia catappa. —

Callicarpa candida (Frum. s.) occasional (several plant represented in collection)

Mussaenda pendula — occasional

Dioscorea bulbifera — occasional

Mussaenda pendula — occasional

Fair, erect, 1.5 ft tall, flowers yellow

Prostrate, forming mat, branched heads.

Small understorey tree, fruit immature spreading by rhizome; leaves fleshy, brittle, dark purple beneath, tracts, purple. Erect, 1m tall, sterile.

Small sterile tree.

Dwarf shrub 0.4 m tall, flowers rose-pink.

Small tree 5 m tall, enlarged calyx, white, extended sterile wing.

Large shrub 6m tall, enlarged calyx, lobe, white, sterile bright red yellow
Caroline Dr.

1. **Hibiscus ciliatus L.**
   - Common
   - 1945

2. **Ipomoea littoralis Bl.**
   - Common
   - 1946

3. **Cassytha filiformis L.**
   - Common
   - Parasitic on various hosts
   - 1947

4. **Melochia compacta Hook.**
   - Common
   - 1948

5. **Vigna radiata (L.) R. & S.**
   - Common
   - 1949

6. **Veronica cincinnati (L.) Less.**
   - Common
   - 1950

**Fais**

1. **Small tree or m. tall**
2. **Twine; sterile**
3. **Stems green; flowers white**
4. **Shrub 3 m. tall; flowers deep crimson in center; white outer part**

**Pulcherr**

1. **Small tree; sterile**
2. **Scape 1-1.5 m. tall**
3. **Fruit, turning reddish**
4. **Flowers purple**

**Scale and leaves, erect, sterile**
1. **Tree 1 m. tall; sterile, lactiferous**
2. **Small shrub, only see, sterile**
3. **Fonds, erect**

**Rhabdophyzi (L.) R. & S.**
- **Occasional**
- **Abundant**
1965 Caroline Is.

**Moringa oleifera** L.
-abundant, especially young plants.

**Melochezia compacta** Hochr. 
-occasional

**Calophyllum inophyllum** L.
-occasional

**Hovea corollata**
-occasional

**Centella asiatica** (L.) Urb.
-very local

**Achyranthes aspera** L.
-common

**Cladodendrum speciosissimum**
-occasional

13 (grass)
-dominant plant

14 **Hibiscus abelmoschus** 
-uncommon

July 30
-west coast

Yellow, west coast near south end of island in dense scrub forest back of cliffs.

**Pandanus tectorius** L. 
-abundant, locally dominant

**Barringtonia asiatica** (L.) Kay 
-abundant, locally dominant

**Fairs**

-shrub 3 m. tall, leaves glossy, flower white.

-shrub 2.5 m. tall, flowers white with red cent, small sterile.

-prostrate, mostly sterile.

-prostrate, rooting at nodes.

-repeatedly branched bush.

-2.5 m. tall, flowers scarlet.

-sholone, prostrate above ground, branches erect, to 1 m. tall, sterile.

-spread the tree 5 m. tall.

-tree, 5 to 3 m. tall, flowers from ground beneath.
Ficus tinctoria: check, occasional in undergrowth, common.

Pipturus argenteus: common.


Allophyllum tinniens: rare.

Pandanus dubius: dominant on ledges.

Wedelia biflora: (L.) O. C. common.

Fimbristyliis cymosa R. Br. common.

Heliotropium anomalum: very common.


Fair

- Small sterile trees.
- Small 4 in. tall.
- Medium 3 m. tall.
- Extensive vines, stems slightly angled, but definitely not wavy; sterile, sterile, sterile, sterile, sterile.

Coarse, heavy shrub 3 m. tall; sterile; leaves to 2 m. long, mm.

Prostrate, extensive; leaves succulent; tufted; stiff.

Prostrate dwarf shrub, flower white, leaves fleshy; large dense tussocks of fibrous base, 6-3-4 dm tall; completely sterile; leaves glabrous.
1965 Caroline Is.

1. *Hedyotis albida-punctata* (L.) abundant

29. *Tournesol argent* (L.f.) common

30. *Leaevia tenebr*T (Leqtn.) common

31. *Hedyotis albida-punctata* common on rough limestone

32. *Asplenium adiantoides* (L.) C.B.C

Paspalum strictum

4. *Hedyotis albida-punctata* common abundantly

Fairy, or somewhat fleshy, calyx white, shrub 1.5 m tall, leaves frosty green, fleshy, flowers white, shrub 1 m tall, flowers and info fruit white.

Platation with scattered small trees & shrubs:

*Maunha citrifolia*

*Antarcturus*

*Eugenia aquae*

*Carica*

*Terminalia catalpa*

*Melochia*

*Brerella obtusifolia*

*Calophyllum indicum*

*Randia corymbosa*

*Leaevia*

*Musa sapientum*

*Cleodendrum specularium*

*Hibiscus tiliaceus*

*Ochna* specifolia (woody)
On the ground, Tacca and Alaoeis (especially the common, and Morinda seedlings.) In openings are planted sweetpotato and Alacaria. No tobacco, a Malabaor seen, but these are known to be raised here, to be seen in quantity.

In one such clearing a coarse erect grass is dominant (4673), but more was seen fertile. Adenanthus was common with it.

Along the west side of the plateau, back from the side of the cliffs is a strip of rather low forest, dominated mostly by Barringtonia asiatica, locally by Pandanus tectorius. It is 0.10 m. wide. Its inner edge is largely Ipomoea, Premna, Wedelia, Morinda, etc. Where the outer edge of this comes to the cliff, or near the north west corner, the cliff edge and ledge are occupied by Pandanus durbins forming a comes.

Fairy, rigid scrub. The cliff is of rough limestone and bad rock in it here. Timbra, Stylos synnew, Hedyotis albido-punctata, and Wedelia.

Further north, the outer edge of the forest zone is both as much as 50 m. from the edge of the cliff. The edge is largely Pandanus, but with a fringe of Leava, and scattered Toona ephedra. The ground here is pitted with limestone of extreme sharpness, but the cliff rather thin, rather than pinnacles. This is covered locally with a pure stand of Erythrina destichum, locally with a mixture of Heliotropium anoninae, Hedyotis albido-punctata, and Wedelia biglong with scattered shrubs of Leava and Toona ephedra, and with a strip of ranging width just back of the edge, in the spray zone when the weather is at all rough, of an grass that form.
dense, extremely firm tussocks, with fibrous, masses of leaf and culm bases up to 3 dm. high, and 2 dm. wide, with erect linear glaucous leaves up to 2.5 dm. long. This is at this season entirely sterile, but in almost surely the hydrolysis collected on Chote Point, Guam in 1903.

In the interior of the plateau are large open fields planted to sweet potatoes. These are many acres in extent, back of the village that is at the top of the escarpment in the middle of the south end. The soil in these fields is, at the surface, at least, composed of peat and smaller spherical pellets of earthy material - probably the phosphate that was mined by the Japanese. A considerable assortment of weeds is common in these fields.

The village is densely shaded by coconut trees and the honour

are surrounded by citrus, canica, musa, lancea, myriocallis, and other planted ornamental and edible plants.

One small Cyperus sput without water, was seen in the interior. Remains of a narrow gauge railway, running the foot of the escarpment, back of the beach.

We had to leave between 5 and 6:30, so the reconnaissance was indeed hasty. To the east along the south coast, beyond the village, are more cliffs, and an area of sloping lighter green vegetation. This was not identified.

Collected about 32 species.

In addition, Michael got

Eleurias indica

Amaranthus

Eragrostis tenella

Pilea microphylla

Plumea rhiza

Polybia sangiiaria

P. quelpohei

P. retie
July 31 - Sanmote to Sanmote.
Wind is southwesterly, something over 10 knots. Pelican says this is normal wind direction for July & August. Trade wind at rest of the year.

At sunset, just west of Farallones, high cirrus clouds moving from north to northwest across new moon.

Saw a brown booby (immature of species) circling around boat for a few minutes, probably looking for fish.

Aug. 1 - Passed Alimaras, with 2 islets, at about 7:30 but did not see it until 8:30 past that. I could only make out for certain that it is wooded.

Elatos ahead. One large islet on north side, one a two tiny ones from it. Of these, the one farther to east has only a few trees. Pelican says there are no people on Elato, and an entrance to the lagoon. From a bit closer, another tiny inlet can be seen, much farther to southeast. Then another
Faité, a fairly large islet far to the northeast. The tops of trees barely visible
between the two tiny islets farther to the south.

Then more trees far between the big islet and the first one to the south. The
two seen are obviously across the lagoon.

From a bit farther on a tiny islet, much smaller
than any of the others, can be seen between the first
and second counterclockwise from the larger one. Looks like
only one or two trees.

Then, far in the distance dead ahead, another fairly
large islet can be seen. Pique's Landwich itself.
Later, Landwich I. can be seen in distance bef. Faité and Pique.

High overcast over the
entire sky. Very threatening
weather to the west.

From north Flats Islet
looks like a solid broad-leaf
great with coconuts emergent
from it.

All three islets of Landwich
are well wooded, Faité
and well planted to coconut.
Faité seems, from the north,
to have a dense broad-leaf
understory under an
almost complete coconut
canopy.

A large boulder on reef
about 1/4 the way from Pique
toward Faité.

Something probably cor-
sponding to Riquinipalao I.
can be seen on the S.W. reef
but apparently has no
vegetation. Late appears forerock.

Along said strip entire
bar, extending along the
reef from Pique I. toward
Faité about the length of
Pique and, not quite
connected with it apparently.

N.W. side of Pique has
considerable broad-leaf under-
growth, esp. toward N.E. little
near point. N.W. side toward
N.E. has solid Tournespatoia
forest. Some Pisonia near
center, almost as tall as
corncuts. Coconut, if one
is the Tournespatoia or N.E. part.
Boulder ridge and rather
open vegetation on east
shore. Bushland less green than
Tournespatoia.
Bar sand bar on reef between Lamotrek Island and its passage.
Several small bars and reefs exposed on south reef about 1/4 x 1/3 the way.
From Saint George Passage. These will vary in number and extent with tide.
Observations made about 8 a.m.

Cardia, P. manu trees around landing.
Cotula, Xanthosoma, Syzygium...
Fruiting subsp. fruts near Broadfruit emergent over coconut canopy.

Callicarpa - Ligita

Hed. biffen "hupuaa"

Pulaua san. hop.

Nia tab. fobae

Ip. rot. hamato

Famed. spm. puhan

Vpaya pugm pamu

Plumea lenur

Cath. sof. puhum

Oximm mun. whamung
1965 Caroline Is.

- Hydrochloric chainini
- Moss (leuophyra) pogo
- Pand. dubius pahó
- Fed. cam. chabulubu
- Algina pu. telán
- Cununci ránju
- Spara wów
- Camna punun
- Cyph. anderson amphibiliophod
- Ceratopteris martini
- Thelepturus hamara
- Lindernia white
- P. arripita
- Polygonum armed
- tan pit
- Col. & Cyst.
- Hymenocal. círis
- Pseudendwith habuí
The center of the islet is a great land marsh, not obviously excavated, surrounding ground peaty, Cyperus being dominant. A great many weeds. Coconut plantations, nearly has quite a few Breadfruit trees and many shrubs, e.g. Iremo, Callicarpa and Manindo. Pandanus dultius rare. Berringtonia rare in edge of marsh.

Toward east end of island the ground gets sandy, coconut less common. Breadfruit still common. Understory of Manindo, Allaphy, Callicarpa, Iremo, Pipturus becomes more dense and tall. Pandan and Manindo tree size. On s.e. corner, Guettardia forms forest, but is in singularly poor condition. Seabolla thickets, 5-10 m. and Trinifortia fringe top of beach on boulder ridge.
1945 Carolin Is.

This thicket very dense. Polyodium not very common everywhere. There has been much brush-cutting, burning, etc. Around taro pit a Hibiscus hybrid is very abundant, also H. stellaceus.

Along beach ridge Townsendia reaches at least 15 m tall; Guettarda 10 m.

Hernandia xhadi

Endimnis mungan

Cantho tiri

Thelesperis pulu

Bunium sone

Taren mohunso

In evening as we were going down the lagoon toward the pass we saw a great flock of Season birds, apparently fishing in the lagoon, probably between 100 and 200 individuals.
1965 Caroline Is.

**Lamotrek Atoll**

- Ipomoea batatas (L.) Poir. cultivated
- Aeschynema curassavica L. cultivated
- Mirabilis jalapa L. planted
- Euphorbia cyparissias Murr. weed, locally abundant
- Euphorbia cyparissias Murr. common weed
- Croton pendulus (L.) Beau. common locally
- Phyllanthus cinnamomum common locally
- Polyscias fruticosa planted
- Nicotiana tabacum L. planted
- Periploca angustifolia rare, in fact a turf
- Osmoxylon cinnamonomum planted
- Catharanthus roseus (L.) Don. common
- *Jasminum* species abundant locally
- Plumeria rubra L. occasional
- *Fuchsia* cymosa R.M. rare

- creeping & ascending, stem "lamot"
- much branched habit from base, flowers red, corolla range
- much branched herb, flowers crimson, stem, red at base
- "wamahi"
- "pogumuma"
- "punii"
- "walpanhi"
- shrub, 1 m. tall, sterile
- "hojero" herb, 1 m. tall, corolla bright rose pink
- erect tuft, "tabac" aromatic herb, 3 dm. tall, English, "wharum" herb, 4-5 dm. tall, corolla bright rose pink, "punii" forming cushions, "pogumuma", "pogumuma" shrub, 3 m. tall, lactifers, sterile, "hini" "pobu"
1965 Caroline Dr.

1. **Patulaea samsonii** v. **Poelln.**
   - Common locally on bar
     coral gravel
   - Rare on bar coral gravel

1 50. **Hedystis biflora** (L.) Lam.
   - Rare on bar coral gravel

1 51. **Alocasia macrorhiza**
   - Common

1 52. **Zephyranthes rosea**
   - Planted

1 53. **Gomphia globosa** L.
   - Planted

7v 54. **Tagetes**
   - Planted

1 55. **Cucurbita maxima**
   - Planted

1w 56. **Caesar'sonia pulcherrima** (L.)
   - Planted

1 57. **Xanthosoma violaceum**
   - Planted

1 58. **Xanthosoma sagittifolium**
   - Planted, in dry land

2 60. **Pteris tripartita**
   - Occasional

2 61. **Colophyllium mopsophyllum**
   - Occasional

1 62. **Hernandiopsis**
   - Rare

1 63. **Polyodium vestopendia**
   - Common around base of trees

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**Hemiconc atlzy**

- Prostrate, fleshy, flowers yellow, "holf"
- Flowers white, "hispurna"
- Plant with leaves to mm tall, bright green, erect, sterile, "jithin" flowers, thin, fruit immature, "pigata" seeds, magenta, "uni"
- Herb to 7 m tall, with nectar, flowers orange, extensive creeping leaves, spotted, fruit depressed, globose, pedicel abruptly expanded at attachment to 2-3 times it diameter,
- Shrub to m tall, flowers scarlet, "maripin" petals, purple, petal edges green, "rotard"
- Shrub, sterile (other see that were trees & mm tall)
- Leaves glossy, sparse, on hold
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1965 Caroline Dr.

Pseudanthemum camphoriferum
occasional

Rugginia gagea
occasional

same, on boulder
ridge at east end
of lagom beach

Tournefortia argentata, Lt. E.
common, locally dominant

1 + 67
Vincetoxicum herbaceum, ssp. trilobatum
very local at top of
cobble beach

4 + 68
Terminalia sarmentosa, Red.
common in forest

5 + 69
Leucaena leucocephala (Quart.) Rox.,
common in forest

2 + 70
Quettardia speciosa, ssp.
common in much of forest

1 + 71
Barringtonia asiatica (L. King)
occasional at edge of
sand beach

72 + 72
Cardia subcylindrica, Low.
common

3 + 73
Hesperoecia littoralis Bl.,
locally common

4 + 74
Cassia Ciliifolia
locally common

75 + 75
Hemocallis littoralis (Vog.) facet., occasional

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Samotrich Atoll

shrub 2-3 m. tall, green;
flowers white, "halimi"

small tree 6 m. tall,
fruit immature

large tree in smaller bunches,
"halimi" fruit eaten

small tree 5 m. tall, other
flowers much taller; fleshy,
"halimi" fruit, green; flowers
white

very local at e.
substrate, fertile, "halimi"

shrub 3 m. tall, fruit
immature, "halimi"

shrub (5 m. tall), other
flowers, yellow, "halimi"

tree 5 m. tall, sterile,
large shrub, all seen, sterile,
"halimi"

tree 6 m. tall, sterile,
"halimi"

creeping and twining;
flowers purple;
tangled leafless green
stem, yellow, white, sterile, "halimi"
Fleurya undulalis
occasional
1 + 78 Theophras pilulnea (L.) K. Krause, seen once

2 + 78 Condranthes erecta (L.) K. Krause, very local

5 + 29 Teca pentaphyllos (L.) K. Krause, very local

5 + 88 Triumfetta procumbens 7.1 locally common

5 + 24 Stenotaphrum microstachyum locally common

same in intertidal coconut headjut frut

4 + 88 Lepturus repens common

5 + 83 Manningia citrifolia, abundant in understory

6 + 81 Allophyllum temneum (L.) K. Krause, common in understory

7 + 85 Inocarpus magiferus (Pohl) 1788 occasional

5 + 86 Piper

6 + 87 Pfeuma obtusifolia R. Br., very common in understory

7 + 88 Wedelia biflora (L.) DC. locally common in thin place

8 + 89 Ficus enneostigma rare, on coconut trunk

see tree

allsee sterile "mokumbi" prostrate with ascending branches, flower yellow, mostly seen sterile "mora" forming a mat

forming a loose mat, mostly sterile

small tree, flowers white, fruit fleshy, white, ripe red

large shrub 3 m tall, flowers white, "ma","a" "twino"

large tree, allsee sterile aromatic vine, sterile "olbow" aromatic small tree flower and fruit green "mwa"
elongate tangled herb, heads yellow "ut" "popo"
4720 Crinum y. asiaticum. l. occasional
1 +71 Polygala scolopendria, Buns. abundant, climbing on bases of coconut trees
2 +72 Ficus tinguiri, Forst. rare
3 93 (more) common on coconut trunks
5 94 Nephotelis, ef., bicart. very common, terrestrial occasional on coconut trunks
3 +76 Vigna marina, (Burm. f.) Marn. common
4 +87 Clerodendrum incinme, (L.) Jack. common in forest and peaty edges of taro swamps
87 98 Callicarpa candicans very common
43 99 Allophyllus impennis, Bl. common in undergrowth
4680 Artoxcarpus altic, (Dahlg.) Fed. dominant or cosubordinate in tree
2 01 Artoxcarpus maniamea, Tree dominated or cosubordinate
3 +02 Pisonia grandi, H. Beck occasional
4 03 Ficus argenteus common
2 +04 Carica papaya l. common
1 05 Cateura, speciosa, Volk. occasional

Lamotke, et al.
herb, 1 m. tall, all seen sterile. "inf." "shishiki"
sterile shrub "swan"

mounds, erect. "hamer" a "handa"

creeping & twining vine; flowers yellow, "hot."
arching shrub, 1 m. tall, small white, stamens maroon, "haloe"
shrub, 1 m. tall, flowers lavender-pink, "digita" shrub, 1 m. tall, flowers white, fruit immature, "mai" small tree (.4 m. tall) other seen enormously large, tree 30 m. tall, leaves fished up on ground beneath large stilt tree, "hali" shrub, 3-4 m. tall, "ama" unbranched tree, 4 m. tall, milky, flowers white, "pauwa" small stilt tree, "afin"
1905 Caroline Fr.

1 Polygala
2 Polygala abundant on old fallen partly burned breadfruit trunk
3 Pandanus dubius new in treaty a many tiny swamp
4 Pandanus antipoda common weed
5 Cyperus brevifolius rare
6 Hedychium coronarium locally common
7 Canna very local
8 Cyperus odoratus occasional
9 Pteris tripartita occasional
10 Alpinia purpurata local
11 Ludwigia rectori very common
12 Lachnanthes officinarum common, plants
13 Cryptostigma abundantly planted
14 Chrysocephalum prostrata occasional

sterile young tree 4 ft tall
- yellow, showy, "spring"
- herb to 1 m tall; flowers white, very fragrant.
- herb 2 m tall; flowers yellow, showy, "spring"
- herb 2 m tall; influences deep crimson, no flowers.
- leaves 0.5 m. tall; blade erect, bright green
- mature influences crimson; "burn"
46820
Cyperus polytrachys L.
occasional

3 24 Curcuma domestica
common

4 22 Ceratopteris thalictroides
common

3 29 Vernonia cinerea var. pauciflora

1 24 Colocasia esculenta (L.) Schott
commonly planted

9 25 Bacopa?
abundant

9 26 Hibiscus tiliaceus L.
very common in edge of

canal

6 27 Nephrolepis
on coconut stump in
edge of

7 28 Baningtonia acerifolia
occasional in edge of

7 29 Hibiscus rosa-sinensis var. glaber
very common in edge of

3 30 Acrotichum arenosum L.
occasional in edge of

7 31 Burquiria gymnosperma
several trees seen

8 32 Polygonum minus
very common weed

all seen sterile, rhizome yellow, aromatic

flowers: "marja"

fruit: green and "maria"

heads huge, "chamiteva"

sterile, flowering

stem succulent,

not much excreted, "barbola"

tree 6 m. tall, flowers
yellow.

fronds erect, arching,
luxuriant.

3 m. tall, racemes
pendant, flowers pink, fruit fleshy, very
bluntly square in
cross section, "sar"

shrubs 1-1.5 m tall.

flowers scarlet, "pucchi" erect, 1 m. tall, "hapaoha"

tree 6 m. tall; calyx
bright red,

stems decumbent and
ascending; flowers
furnished white, "omd"
name on coconut trunks in dense plantations

14 0877  (lichen)
1 34  (lichen)
1 35  (lichen)
2 36  (moss)
2 37  (moss)
1 38  (Trentepohlia)