



Raciborski - (H. Smith) 1851

15076

Heteropteris purpurea (L.) Kunth. Malpigh 1

woolly turning white to slightly yellowish
below, - calyx 5 parted persistent, 4000
with 2 glands each petal lanceolate
conspicuous, stamens 4 some outer longer, inner
filamentous, anthers yellowish, style
slender, stigma 2 parted, ovary
very small, lobes - petiole with 2 glands

15077

Trichostigma octandrum (L.) H. Walt. Malpigh 1

woolly turning white to slightly yellowish
below, - calyx 4 parted persistent, 4000
with 2 glands each petal lanceolate
conspicuous, stamens 4 some outer longer, inner
filamentous, anthers yellowish, style
slender, stigma 2 parted, ovary
very small, lobes - petiole with 2 glands

St. John's Garden

15078

Desoripias embryopteris Pers. 2

calyx 5 parted persistent, 4000
with 2 glands each petal lanceolate
conspicuous, stamens 4 some outer longer, inner
filamentous, anthers yellowish, style
slender, stigma 2 parted, ovary
very small, lobes - petiole with 2 glands

1-5-61

1. 979

Canna?

1

20' tree, branches drooping, fls cauliflorous
on younger branches, - perianth apparently 3 parted
lobes, stamens numerous (about 15), disc may be
small, white fruit very large, red-brown
inner yellow-orange juice bitter

Gage - 1-6-61

15080

Canna edulis

1

6' plant, fls red, frs red, mostly sterile, seeds rare,
2 per capsule. Layer thru fls - petals + stamens all
red -

15081

Canna edulis - Buchholtz

3

smaller plants to 3', bracts small, calyx lobes
pale, petals red, stamens 1 red, 2 yellow + 3 stamens
with streaks of yellow + white, frs green at maturity
seeds numerous

15082

Coladiscus

2

edge of edge of leaf, frs - equitant.
Blade brown.

15333

Ficus trigonata L.

2

Tree 20 m. affected by ...
about 10% ...
... ..

15334

D. ...

2

... ..
... ..
... ..

15335

Charanthes purpureus D. Don

2

... ..
... ..
... ..
... ..

15336

Scleria latifolia Sw.

2

... ..

15337

Syntherisma

... ..

FREZIERIA

11 FREZIERIA UNOCCATA (Sw.) Sw.

3

... around ...
...
...
...
...
...

13 GONZALAGONIA HIRVATA (Jacq) Senou.

2

Chlorina umbrosa (Sw.) Coza

Euphorbia trojana Urb3

...
...
...
...
...
...
...
...
...

15 PALCOVIA ROSA (Sw.) R+S.

3

...
...
...
...
...
...
...
...
...

Faint, illegible handwritten text at the top of the page, possibly describing a specimen or collection details.

SHIRAZ - TITLE FORM.

1521. *Palaemonetes pinnatus* (Sw.) R. S.

3

Faint handwritten notes and descriptions below the species name, including details about the specimen's characteristics and collection data.

Acc. 1000

15072

Acetaria MARTINICENSIS Jacq.

2

Shrub 15' tall, quadriflorous, with tubular corolla.

Calyx green, 4 parted, valvate.

Stamens 5, unequal, single stam. Stigmatic lobes 2,

longer than the tube. Fruit unilocular. Calyx green,

with 3 seeds developed.

15073

Symplocos MARTINICENSIS Jacq.

2

Shrub 15' tall, with tubular corolla, fruit purple.

Stamens 5, unequal, single stam. Stigmatic lobes 2,

15074

Ilex rostratifolia (Sw.) Guss.

2

Shrub 15' tall, with tubular corolla, fruit black.

Stamens 5, unequal, single stam. Stigmatic lobes 2,

15075

CLUSIA ALBA Jacq.

1

Shrub 15' tall, with tubular corolla, fruit yellow.

Stamens 5, unequal, single stam. Stigmatic lobes 2,

15076

Leiphanthes ANVILLA (Jacq.) Gilg.

1

Shrub 15' tall, with tubular corolla, fruit yellow.

Stamens 5, unequal, single stam. Style white, filament

stigmatic lobes 2, long.

1500

Cypripedium dilatatum L.C. Rich.

1

1501

Aspidistra laurina (Sw.) Walld.

2

1502

Cypripedium laurifolium Urban

3

1503

Galactia dubia DC

2

1504

Oreocarya nitidum (Jacq) Ktze

3

Coccoloba swartzii Muir.

2

Diospyros REVOLUTA POIR.

4

TABACONIA MONTANA CITRIFOLIA L.

2

"Hogwood" 15' ...

2

Empetrum Myricin splendens (Sw.) DC

2

Faramea occidentalis (Jacq.) R. Br. & G.

2

1099

Labellia cirsifolia LAM

2

Passiflora suberosa L.

2

Vernonia albicaulis Pers.

2

CONDALAGUINA HIRUTA (Jacq.) Schum.

2

1507 *GONZALAGUERIA HIRSUTA* (Jacq.) Schum.

4

Conocarpus *Raymondii* (Pitt.)

2

Casuarina septentrionalis Sw.

3

1511

Diospyros REVOLUTA PAUL.

7

The first part of the paper is devoted to a general
discussion of the theory of the origin of the
universe, and the possibility of a steady state
universe. It is shown that the steady state
theory is not tenable, and that the origin of
the universe is a necessary consequence of
the laws of physics. The author then discusses
the possibility of a cyclic universe, and the
possibility of a universe that is finite in
space but infinite in time. The paper concludes
with a discussion of the implications of the
theory for the future of the universe.

1881

15171

Conyza leptocoma (Hook & Arn.)

... ..
... ..
... ..
... ..

15172

Samarowia verticillata Griseb. & Link.

... ..
... ..
... ..
... ..
... ..

15173

Mimosa elongata L.

Sept 13

... ..
... ..
... ..
... ..
... ..
... ..
... ..

very few flowers, only style toward tip of style
of the ovary, the ovary is small, round, sessile
the pedicel is short, and the style is short.

Four flowers.

15121 *Solanum roseum* L. 2

small, round, sessile, pedicel short, style short.

15125 *Jacquinia acrocha* Vahl 2

small, round, sessile, pedicel short, style short.

15126 *Psidium tetymaloides* L. 2

small, round, sessile, pedicel short, style short.

15127 *Tabernaemontana pallida* Miq. 2

small, round, sessile, pedicel short, style short.

1015

EUPATORIUM TRIANGULARE Poitev.

3

Herb. ...
moderately
shiny

1020

Eupatorium triangulare (Jacq.) Nutt.

3

Herb. ...
pink, petals 5, ...
yellow ...
yellow ...

Psittacium

15120

Psittacium guadalupensis (DC) Howard

15121

Pitcairnia latifolia Solms

15122

MARILLA TACEMOSA Sw.

15123

Stylidium sideroxyloides (Sw.) Griseb. f. *eggenii* Loos

... ..
2

15125

ACOPHILA MARTINICENSIS Jacq.

... ..
... ..
... ..

15136 *Freem perforata* L. 3
tree 4-5' ...

15137 *Rapanea ferruginea* (DC & P) Gray. 2
tree 10' ...

15138 *Drypetes glauca* Vahl. 4
tree 15' ...

15139 *DIDYMOBANAX ATTENUATUS* (Sw) MARC. 2
tree 7-8' ...

15140 *Coccoloba swartzii* Muell. 3
tree of 11' ...

15141 *Cassipourea elliptica* (Sw) Poir. 3
tree of 15' ...

- 15142 *Samolites mapouriaoides* DC 2
 small, straggling tree of 10' ft. green
- 15143 *Eugenia lambertiana* DC 1
 tree of 10' tall white
- 15144 *Eugenia lambertiana* DC. 2
 large tree common along coast, fruit of
 12' of orange, turning brown, orange
- 15145 *Palaemonia procera* (Sw.) R. & S. 2
 tree of 12' tall, pale orange flowers
 in the forest
- 15146 *Samolites* 1
 tree of 10' ft. red, purple, orange-yellow
 flowers, style 1/2" long
- 15147 *Phyllanthus memoioides* Sw. 9
 small branched tree of 20' tall, leaves
 alternate, brown flowers white, for perfume

1890

Coronarius Sweet 3

...

15149 *Pilea obtusata* L. 1

... ..

15150 *Polygodium pectinatum* L.

...

15151 *Asplenium cristatum* Lam.

...

15152 *Cephaelis saraceni* Sw. 3

...

15153 *Begonia retusa* Schum. 2

...

15156

Chromolaena pinnata L.

3

Psychotria pubescens Sw.

3

Asplenium rigidum (Aubl.) Hart.

2

15157

Peperomia ^{*microcarinata* Naud.}
Guadeloupensis (C. DC.)

2

epiphyte, infl. green, roots, petioles & stem orange
when dried. H.

12158 *insipida* Willd. 2
[faint handwritten notes]

Stegana massoni Sav. 1
[faint handwritten notes]

12159 [faint name] 1
[faint handwritten notes]

Psychotria pubescens Sw. 2
[faint handwritten notes]

12160 *Cestrum laciniatum* L'Herit 2
[faint handwritten notes]

12161 *Besleria lutea* L. 1
[faint handwritten notes]

15704 *Urena caracasana* (Lag.) Studer

4

15706 *Piper aequale* Vahl.

3

15707 *Passiflora mapouinoides* DC

2

15717 *Physalis peruviana* ^{INEUS} (L.) Link.

3

15165

Trifolium trifolium (L.) Nutt.

3

Epiphyllum, ...
stem ...
leaves ...

15168

Conoclinium calyptrata (Dennis) D. Don

3

Stems ...
leaves ...

15170

Chloris umbrosa (Sw.) Cogn.

2

Stems ...
leaves ...

MARCGRAVIA UMBELLATA L.

3

Stems ...
leaves ...

15172

Limonium

2

Stems ...
leaves ...

TRANSFORMA ELLIPTICA Sw. 2

Eugenia lambertiana DC 1

GESNERIA VENTRICOSA Sw. 2

subincana Sw. 3

9.

DISPENS

at least one

8-10

Old Road, Blairstown 1/14/61

15177 *Acacia curraniana* Brit. & Killip 3

Tree 10' high. Leaves alternate,
pinnate, 5-7 pairs of leaflets.
Flowers yellow, fragrant.

15178 *Rauwolfia virginica* Pers. 2

4' shrub

15179 *Croton antiochiensis* Dwyg. ex Brit. 3

Shrub 4-5' high. Leaves alternate,
pinnate, 5-7 pairs of leaflets.
Flowers yellow.

15180 *Croton antiochiensis* Dwyg. ex Brit. 2

Shrub 4-5' high. Leaves alternate,
pinnate, 5-7 pairs of leaflets.
Flowers yellow.

15181 *Croton antiochiensis* Dwyg. ex Brit. 2

5' shrub. Pistillate flowers yellow.

15182 *Croton antiochiensis* Dwyg. ex Brit. 2

6' shrub similar to others but with pistillate
flowers yellow.

15183

Asterias *Daysoni* in Art.

5

Calliostoma ...

Calliostoma *Souley* - 1.10.51

15184

Navicula *recta* L.

1

... ..

15185

Gliceria *foveata* (L.) Spring. 3

... ..

15186

Cyprina *regularis* L.

1

... ..

15187

Synpterus *MARTINENSIS* Lag.

2

... ..

15188

Transvaemia *pedunculata* DC.

3

... ..

... ..
... ..
... ..
... ..
... ..

151029

Stenactinomyces (Sw.) Griseb. f. *eggerii* Dougl. 3
... ..
... ..
... ..

January 12, 1961

15190

... purpurea (L.) Benth.

6 sheets

filamentous ...

15191

Stoanera MASSONI Sw.

3

"Burrhead", ...

turns ...

15192

Anthracium ^{gouldingii} ~~tristemonum~~ Schott.

1

15193

Lycopodium tomentosum Sieber ex Underw. 3

...

15194

Polypodium snyderi Maxon 4

epiphytic ...

15195

CENURIA VENTRICOSA Sw.

2

...
corolla reddish ...

Labelia stracheyi Sw.

3

Cephaelis azollaria Sw.

1

Rhynchospora polystachya Vahl

2

Scleria latifolia Sw

2

NAMENS MERO
Schizanthus jacobina (Sw.) Merr

3

Cephaelis swartzii Sw.

1

15252

Phytolacca peruviana Kunth + Bouché

5

Common herbaceous perennial

Herbaceous

Saururus crotchi

1

Elysioglossum crinitum (L.) Christ.

Selaginella subtylositata Spring ?

15253

Pilea parietaria (L.) Blume

5

Common herbaceous perennial

Herbaceous

Wendlandia

2

Shrub (deciduous), ...
flowers white, ...
filaments white, ...

Palaemonia crocea (Sw.) R. & S.

3

Sclaginella flabellata (L.) Spring.

Perichloina guadalupensis (DC) Harvey

1

Trebouhina striosa Coen.

3

15212 *Botrychium grandifolium* (Jacq.) Kuntz

2

Epiphyte to 4' long, setae slight, wided,

213 *Trechomanes atatum* Sw. 2

Epiphyte on a small tree.

214

Trichomanes hymenophyloides v. d. B. 5

Epiphytic

215

Trichomanes melanosporum L. 3

Epiphytic

216

Pilea peristaria (L.) Plummer

Epiphytic

St. Leonard's Hill

217

Calopogonium mucronatum Presl

Epiphytic

Portulaca helimoides L.

Pilea marginata L.

Psittacium nudum (L.) Griseb. 1

Tillandsia recurvata L.

Peperomia (simplex Ham. var. aff.) myrtilifolia (Vahl) Benth
in rock - windward side

Triangulata (Jacq.) Willd.

Papposiphon papposiphon (Lam.) Kuntze 2

Papposiphon parviflorum Sw.

9.6.1930

246 *Hyptis pectinata* (L.) Cass

...

8 *Rocella beringensis*

7 *Ranunculus sub-carpatus*

Eragrostis ciliaris (L.) Link & G. 1

sphaerolatus Roth.

Ptilyragmona chrysophylla (Sw.) Link 2

Pterocaulon virgatum (L.) DC 1

Chenopodium squicifolium L.

... 15' tall + ...

25233a *Emilia coccinea* (Sw.) Sweet

Besleria argenteifolia Engelm.

Santania samana L.

Tephrosia venerea (L.) Pers.

~~Leq.~~ *Justicia periplocaefolia* Jacq.

Pida cordifolia L.

Verbena flavida L.

Chamaecrista L.

Fl. 4/10/1883

242 *Hypochaeris pectinata* (L.) Poir.

243 *Hypochaeris amara* Schum. & Thonn.

244 *Aster lobatus* L.
L. 3 p. 24

245 *Amaranthus herbaceus* Mart.

246 *Amaranthus* Mart. L.

247 *Ficus virens* P. Mill.

248 *Plantago scandens* L. 2

249 *Digitaria sanguinalis* (L.) Scop. 3

250 *Setaria setosa* (Sw.) Beauv. ①

Chloris rufiflora Swartz 1

Paspalum laxum Lam. 2

Eragrostis ciliaris (L.) Link 3

Trichachne montana (L.) Vahl

Digitaria L.

Digitaria L.

Panicum maximum Jacq 2
~~*Setaria setosa* (Sw.) Beauv. 2~~

Setaria setosa (Sw.) Beauv. 5

- 707 Exp. 100 St. Croix
- 15258 *Dryopteris americana* var. *Caribaea* (Guss.) Presl
 prostrate shrubby fern
- 15259 *Polypodium frutescens* L.
 shrub ?
- 15260 *Conoclinium elegans* HBK
 shrub fl. white
- 15261 *Cassia sicyoides* L.
 fl. yellow, fl. buds red
- 15262 *Chrysophyllum peruvianum* Lam.
 small tree Leprot
- 15263 *Trichilia hirta* L.
 fl. yellow Melastom
- 15264 *Acacia macracantha* HBK Legum
- 15265 Legum
- 15266 *Ardisia obtusa* Desv.
 tree Myrsin

187, 188

St. Paul

1871 *Realgyna portoricensis* Muell. Arg.
shrub 5'

1872 *Coccoloba venosa* L.
small tree 10'

1873 *Coccoloba macrostachya* W. P. Wood
small tree 8'

1874 *Crustaceus scabra* (L.) Sav.
shrub 6'

Good Hope

1875 *Tournefortia laypala* L.
shrub - 3'

1876 *Melochia nodiflora* Sw.
shrub of 3'

East End of St. Paul

1877 *Persea*
shrub of 4'

1878

small tree

Melrose

11

Centropogon richardsonii Millsp.

leafy

12

Leucaena nilotica Delile.

shrub 15'

13

Centropogon discolor Willd.

shrub 15'

Centropogon ?

14

Ipomoea Stuebelii Millsp.

15

Centropogon microstachys Willd.

Centropogon ?

16

Centropogon hirta L.

guentheriana Stehl. & Threl.

17

Cyperus humilis (Vahl) A. Dietr.

Panicum ?

18

Centropogon scabra (L.) Lam.

19

Centropogon flavus L.

20

Centropogon frutescens L.

W. Stewart

15285

Solanum scaberrimum Andr.

Subsolanum, fl. white, fruit

15286

W. Stewart

Shrub 3', fl. yellow

15287

Hemelia patens Jacq.

6' shrub, fr. red & black

15288

Piper amalago L.

6' shrub

15289

Pogonatum macrodonum (DC) Walp.

spreading shrub, fr. red

15290

Cassia sylvatica Sw.

shrub 7'

St. Louis

15291

W. Stewart

20' tree

15276 *Sporobolus hederifolius* L.
Herbarium, Florida

15277 *Eragrostis maculosa* Poir.
shrub

15278 Cotton Gardens
Cenchrus ciliaris L.

15279 *Cenchrus flavens* L.

15280 *Cenchrus* ~~flavens~~ ^{Kingshall Post Office}
shrub
fruit present
cut grass

15281 Upper Town
Junca peruviana Torr.
floating

15282 *Coccoloba drumppii* Steud. ~~*Coccoloba drumppii* Steud.~~
rocky terrain

15299 *Cenchrus spectabilis* DC.
cut grass

Hawaii

15300

Styx

shrub of 4, fl. black, bracts clear white, some
green at base.

Kahala Mt., near Waipio overlook, Hawaii

15301

Excoecaria

15302

Mint

15303

Osmanthus

15304

Heliconia

Canaco 7/8/60

15305

Coccoloba swartzii
Mt. Chintofelberg

15306

Capparis linearis L.
Mt. Chintofelberg

15307

Passiflora foetida var. *montezumae* (Cham.) C. S. G.
Mt. Chintofelberg

Boronia

15308

Euphorbia

15309

Euphorbia

15310

Euphorbia

all on coastal limestone rocks

Canaco

15311

Crotalaria *Capparis tenuisiliqua* Jacq.

Bartados 6/29/62

- 15312 *Euphorbia oerstediana* (Kl + Garcke) Bois
shrub, to fleshy, no red. Coffee Gulley
- 15313 *Zingalagonia hirsuta* (Jacq.) K. Schum.
shrub in limestone gulley, fl. white - short style
Coffee Gulley
- 15314 *Zingalagonia hirsuta* (Jacq.) K. Schum.
5' shrub, woody, fl. white, long style
Coffee Gulley
- 15315 *Jasmenum*
vine, fl. white, fr. turning blue
Castle Grant
- 15316 *Zephyranthes eggersiana*
common in roadside ditch, fl. yellow
Waterford area
- 15317 *Smilax*
fl. red - Mahram

- 15318 *Aristolochia obovata* L.
fls. red-brown Tannen Hall Woods
- 15319 *Coccoloba venosa* L.
stems, adventitious shoots
- 15320
white flowered shrub of 2' Tannen Hall Woods
- 15321 *Pyrola mucronata* (DC) Urb.
arching, rarely viny shrub, fls. white, origin elevated
Tannen Hall Woods
- 15322
prostrate creeping, rays white Tannen Hall Woods Camp
- 15323
shrub of 9', no dark green, young - petals white
Tannen Hall Woods Melanton
- 15324 *Clusia plukenetii* Urb.
St. Johns Church ♂ fls.
- 15325 *Clusia plukenetii* Urb. ♀ fls. } St. Johns Church
15326 *Clusia plukenetii* Urb. fr.

Jan. 22, 1963 Puerto Rico Howard & Norling

- 15327 *Hedyosmum arboreum* Sw.
1+2 ♂ tree of 20', upper green - El Yunque near La Mina
& adventitious short leaf (a)
- 15328 *Hedyosmum arboreum* Sw.
1 ♀ small tree of 12', very green, style white, mature
fr. white - El Yunque, near La Mina
- 15329 *Margarita sentenii* Urb.
3 vine in tree at roadside Km. 20 El Yunque N.P.
filaments white, calyx rose-orange, nectaries same
to dark green above, pale below
- 15330 *Ceston poecilanthus* Urb.
1 tree of 15', filaments cream, fr. green $\frac{1}{2}$ " diam.
to lighter below not noticeably scaly all green
- 15331 *Stemodia Piptocarpha tetrandra* HBK.
1 vine in tree, to gray-brown below, green above
fls. white.

Rio Blanco area

- 15332 *Cochlospermum verticillatum* (Willd.) Spreng.
1 tree of 20', keel-like, fls. golden yellow, nearly
completely double.

15333

2

Eugenia cuneifolia DC

herb of roadside ditch, rosette forming, fls white

2 km. W. of Abovite

15334

Syzygium jambos (L.) Alston

5-6' tree, filaments all white, calyx & hypanthium
rose-brown

15335

1

Securidaca virgata Sw.

arching hanging vine, ls green, fls rose-pink
ly. white & yellow, fr greenish brown
4 km. E of Abovite

15336

2

Veronica borenguenis Urb.

climbing or scrambling herb, ls concave, fls
lilac

15337

2

Cestrum macrophyllum Vent.

arching shrub, scrambling branches, ls lighter below,
fls yellow-green, filaments with appendage

2 km W of Antonito, Park Co 1/22/62

15338

✓

Daphnopsis americana (Mill.) Johnston ssp. *Caribaea* (Griseb.) Nees.
shrub 9', ls slightly paler below, fls green, immature

15339

✓

Daphnopsis americana (Mill.) Johnston ssp. *Caribaea* (Griseb.) Nees.
shrub 4-5' tall, bark & foliage with rank odor
corklike green at base, cream at apex, yellow in throat &
voucher for preserved material

15340

✓

Daphnopsis americana (Mill.) Johnston ssp. *Caribaea* (Griseb.) Nees.
tree 20', dbh 3" many trunks, staminate with
few small green immature fruit

15341

✓

Trichilia pallida Sw. *Saprotaxoneae*
Tree 15', ls very dark green, noticeable rumples
fls greenish white

Marcav fruit 1/23/63

- 15342 ✓
Breutlandia purpurascens Urb
small like *portulaca* shrub to 12', fls white, ls rigid
spring
- 15343 1
Near Park site, fruit fruit descending
Marcavaria rectiflora T & G
epiphytic climber, stemms white, nectaries elongated
green
- 15344 1
Mekania stenocoma Britton
suberoseous vine, ls rugose, fls white
- 15345 3
Coccoloba ~~rectiflora~~ pyriformis Desf.
tree 1 foot, 15', fls in bud, cream,
- 15346 2
Heterostegium ~~tenaxifolium~~ laevifolium Vent.
suberoseous, succulent vine, ls ligulate below, fleshy,
fr. orange when mature
- 15347 ✓
Rondeletia portulacina K & U
tree 15', ls ligulate below, fleshy, midrib red
below, fr. green
- 15348 1
Guarea ramiflora Vent.
small shrub + branched, 15', fr. brown

Maricao forest, P.R. 1/23/63

- 15349 *Syconanthus Lisianthus laxiflorus* Vahl
1 High climbing herb, fls clear yellow, calyx green
- 15350 *Justicia spectabilis* Jacq. Acanth
1 Herb of trail, corolla cream, stamens 2
- 15351 *Lycopodium linearifolium* L.
epiphyte, foliage yellow-green
- 15352 *Vernonia sericea* L.C. Rich
2 climbing herb, lvs turning purple below, dark green above,
fls lilac
- 15353 *Cordia Tabernaemontana schumanniana* Vahl
1 diffusive of forest, fls bright scarlet, calyx greenish white
to 15'
- 15354 *Dendropanax Laurifolia* (Mack) Don + Pl. Acanth
2 tree of 20', fls yellow-green, stamens white
- 15355 *Podocarpus coriaceus* L.C. Rich,
2 tree to 50' lvs bright green below, fleshy pedicel bright scarlet
seeds purplish

- 15356
 43
Melicope chrysophylla Poiré Sapot
 tree of 30' fr. 1 in when mature, rusty pubescent
 to golden brown below
- 15357
 2
Lucina Terebinthina resinosa (Vahl) Sprague
 common tree to 30'; stipules brown like,
 fr. blue-black
- 15358
Pantheus racemosus (Walt.) Makino Archid
 terrestrial, roots on short stem, scandent, dry areas
 fl. yellow-green, lobes pinkish white
- 15359
 2
Corymbia pauciflora DC Legum
 low shrub to 5', stem flowering in leafless condition
 petals rose-purple in age, pink when young
- 15360
 3
Simarouba tomentosa (Lam.) Hippocit
 shrub wood like, mat, petioles & young bark red-brown
 lacquered in look, fr. bright red when mature
- 15361
Ocotea leucocarpa (Sw.) Mez Laurac
 small tree to 15', fr. green

Municipio forest - K. 10-11 Sanja Grande T

Municipio

- 15362 *Besleria Urbanii* Greenman
1
vine, scrambling herb, no fruit
- 15363 *Calycogonum Kingii* Cogn. Melantom
4
stem compact shrub, to dark green, bulbous,
fls white - to 10'
- 15364 *Allophylus crassineris* Radlk.
3
shrub or small tree to 15', fls green
- 15365 *Drypetes?* *Papaver feruginea* (Rau & Parn) May.
2
tree of 15', branches spreading, petals cream, stamens
with red, stamens 4
- 15366 *Veronica sericea* L.C. Rich
2
erect herb to 6', fls lilac
- 15367 *Elephantopus mollis* HBK. Comp
2
scabrous plant, fls pale lilac, some white
- 15368 *Paspalum sexflora* Sw.
1
herbaceous vine, hanging, fls cream-yellow,
to soft persistent

15369

Epipactis atrorubra L.

Terrestrial, long com. like stems, fls. rose-purple

Km 8 Sungai Gombu to Mancis

15370

Polygala paniculata L.

Herb of roadside, fls. white

1

15371

Thunbergia fragrans Roxb.Herbaceous vine, fls. white, fr. green, twisted
calyx white-striate

1

15372

Rhynchospora alba (L.) Kuntzround-like branches reaching 12', corolla
greenish-yellow, base yellowish below

3

15373

Rondeletia

erect, stout shrub to 8'; fr. green

✓

15374

Veronica sericea L. C. Rich

scrambling herb, branches spreading - Km. 5 seeds

2

15375

Parthenium hysterophorus L.

roadside herb, fls. white,

✓

Coast 5 m W of Ponce

- 15376 *Cassia polyphylla* Jacq.
3 upright shrub, fls bright yellow, compact to 5'
- 15377 *Chrosodendron aculeatum* Kunth
1 coastal shrub of 4' arching branches, fls white
fr yellowish 5
- 15378 *Scaevola leucocarpa* (Lam.) de Wit.
1 shrub of 8' fls white - variegated
- 15379 *Scaevola Menziesii* quinquefolia (L.) Hall.
2 trailing vine herbaceous, fls yellow-white,

San German - Santa Ana Maria Univ. Campus

- 15380 *Helmicondria sanguinea* Pritz
2 cult. shrub, 8' long arching branches, calyx shell
orange-green, corolla red.
- 15381 *Scaevola purpurascens* Broom
ls red-purple below, green above, fls pink
- 15382
fls white, ls red below, green above, stems 4

Salinas de Lajas 1/24/63

15383

Sporoxia stenactis Millspaugh

1

Shrub acacia vines on shrubs, fls bright red

15384

Thyana Tharionia portoricensis Radlk.

2

Shrub on rocky coast, to 15', fls white, fr green

15385

Styngophyllum leucopodium (HBK) Small

Stems 2, fls bright yellow, tough vine, climbing
fr. red

Playa del Ponce

15386

Bumelia americana L.

2

"agua caca" - small shrub of 8', fls white
Fading cream, odor sweet, stem 4', at at 2
leaves, tube fenestra greenish

Km 226 Salinas Grande to ~~Salinas~~ ^{Suana}

15387

Trichelia hirta L.

roadside tree to 15', fr brown, arils red

15388

Coccoloba coccolobifolia Mart.

2

2.5' tree, fls heavy, rusty below, dark green above,
fls white

Playa de Jerayonilla

- 15389 *Cyperus laevigatus* L.
counted wet spot in sand - scattered plants
- 15390 *Elocharis geminata* (L.) R+S
large clump plant same area
- 1/25/63 Maranguy
- 15391 *Suriana guatemata* Poepp. & Endl.
3 introduced tree widely planted roadside + coffee
fls. white
- 15392 *Suriana Montezuma speciosissima* Seem. & Mac.
1 tree of 50' fls. red-orange, style maroon, yellow
oblv 18", fr. green, stipe brown
- 15393 *Suriana* sp. L.
1 roadside tree to 20', fls. yellow
- 15394 *Suriana guatemata* Poepp. & Endl.
1 20' tree, fr. brown

15395

✓

Hibiscus tiliaceus L.

woody bushy tree to 25', fls clear yellow, no black
Tummy orange red, capsule opening

Boguen Toro Negro

15396

✓

Gongolagumia hirsuta (Jacq.) Schum.

erect shrub 7', fls white

15397

✓

~~Tournefortia~~ *Urera lobata* L.

coarse herb to 8', fls pink, wood red

15398

✓

Gongolagumia hirsuta (Jacq.) Schum.

5' woody herb, fls purple

15399

✓

Urera baccifera (L.) Gaud.

coarse herb to 10', infl. axis rose-purple

berry white

Some of jeep trail to Toro Negro

15400

✓

Peperomia alata R & P

woods, on rocks next to fall

Boquete de Toro Negro

15401 *Betula corymbifolia* HBK
1
fl. yellow no rays, reddish wood

15402 *Eugenia Canadensis* L.
2
wood? of old road cut, fl. white

15403 *Guaphalium Americanum* Mill.
2
old road cut, heads golden,

15404 ~~Cyperus~~ *Elenchium flaccidum* (Rehb.) Urban
wet areas edge of woods, scattered plants

Trails at top of Toro Negro - stunted forest

15405 *Persea caroliniana* May. Lauraceae
tree of 15'; fl. yellow, fr. green

15406 *Rapanea ferruginea* (R + P) May
3
tree of 15'; fr. green

15407 *Psychotria*
epiphyte on trees at forest floor, pedicels yellow
fl. white, fr. black

- 15408 *Eupatorium resiniflorum* Walt. Comp
 v
 shrub 5', fls white, to racemose
- 15409 *Zyonia rubiginosa* (Burr.) Small
 4
 tree 20', densely bushy top, fls white
 young leaves red scurfy
- 15410 *Ocotea leucocylon* (Sw.) Mez Lamson
 sprawling tree to 15', fls white
- 15411 *Zygocarpus aequalupianus* Spring.
 epiphyte hanging
- 15412 *Clusia*
 1
 terminal, edges greenish yellow, corolla yellow
- 15413 *Marcgravia sintenisii* Walt.
 2
 abundant, fls white, nectaries orange red
- 15414 Lamson
 small tree, fls white, to dark green glaucous above
- 15415 *Citharexylum canaliculatum* L. Lamson
 2
 shrub about 12', fls with orange throat

15416 *Panicum croceum* (Sw.) R+S
✓ compact shrub or small tree to 12', pedicels orange-red
corolla yellow

juv. road to top
15417 *Psychotria guatemalensis* (DC) Howard
epiphyte, pedicels ^{pale white} red, corolla white
style? corolla hairy below anthers

15418 *Calycosonium squamulosum* Cogn. Malabar
3 tree 20', petals white, fr. red-purple-brown

15419 *Schradia exotica* (Gmel.) Standl.
4 epiphyte vine, fl. white, petals 4-5, style
green showing

15420 *Dialyporum giesonii* Brit. & Wils. Arab.
3 small tree of 12', fl. yellow, fr. green, petals green

15421 *Chasia minor* L.
1 dominant tree at crest of hill - to 20';
juv. not conspicuous, fr. greenish yellow

- 15422 *Manglietia* sp. nov.
shrub 10', fl. white, pedicel, fr. green
- 15423 *Pilea youngianensis* (Urb.) B+W.
shrub, fl. white, ♀ reddish
- 15424 ~~*Pilea*~~ *Sepanthera microsepandra* (Cronq.) B+W.
epiphyte, fl. yellow-green
- 15425 *Stelis Sepanthera schenckii* Rol.
epiphyte, fl. orange-yellow, center blood red
- 15426 ~~*Palaemonia*~~
Psychotria crocea (Sw.) R+S
understory shrub 10', fl. yellow-orange
- 15427 *Psychotria*
epiphyte, pedicels red, fl. white, styles 2 or 3
berry black
- 15428
3 *Daphnopsis philippiana* King & Urb.
♂, 6' to slightly lighter
- 15429
2 *Daphnopsis philippiana* King & Urb.
♀, fl. ^{yellow} green, tinged white at base, 4-5'-

15430 *Clusia grandilactis* Stahl
long vine, fr. green

15431
3 *Tabebuia rigida* Urb.
shrub of 12', fr. green

15432
3 ~~*Clusia*~~ *Cestrum macrophyllum* Vent.
tree of 20', geminate, corolla bright red.

RA 143 C of Tor Negro

15432
✓ *Mataheia sintenisii* (Schub.) Woods.
herbaceous vine, fl. red-brown

15433
1 ~~*Columnea*~~ *Altophinctes ambigua* Urb.
epiphyte, corolla red part, corolla yellow, fr. persistent

15434
Diplazium (*Pteridaceae*) *montana* (Sw.) Seem. *Orchid*
same orchid, epiphyte also terrestrial in *Pteridium*
fl. white

15435
4 ~~*Styrium*~~ *Symplocos panicata* Kunz & Urb.
shrub of 12', rusty part, fl. white,

- 15436 *Calyptroanthus Bonplianus* Koenig Sapot
 3 shrub of 10', pedicels strigulate, fls white
- 15437 *Myrcia splendens* (Sw) DC Myrtac
 2 shrub of 10', buds white
- 15438 ~~Myrcia~~ *Pogonia cordata* L.
 herb. vine, fls yellow-green
- 15439 *Chromolaena* ~~umbellata~~ *umbellata* (L.) Chav. ?
 shrub of 10', composite, fls lighter below, fr
 green!

S. side of Yangon river valley at 16 mi 22.2
Loves property 1/26/63

15440

Tradescantia elongata Meyer

Cult. vine, petals 3, sheathing leaf base red-purple

15441

Passiflora coracina Aubl

vine, cult., calyx orange red, petals bright red
corolla deep purple, inner white

15442

Ficus lentiginosa Vahl

tree 30' standing, fl. yellow green, ovules flat

15443

Calathea lutea (Aubl.) Meyer

herb to 1 1/2' long, blades & petioles equal,
sheath bracts brownish, corolla yellow

15444

Marcgenia rectiflora Tr. & Pl.

fl. clusters erect corolla green, filaments cream,
fr. brown, climbing vine

15445

Schlegelia Schlegelia portuensis (Vahl) Bur.

arching vine along river, corolla white outside
rose purple inside

- 15446
3
Miconia guianensis (Aubl.) Cogn.
wide branching small tree 15', petals white,
ls tawny below
- 15447
1
Samanea speciosa Vent. Placourt
slender small tree 12', fls cream, fruit
- 15448
3
Palibegia monetaria L.f.
arching woody vine of river bank, fls on old wood
white, fr. green
- 15449
5
Hirtella rugosa Pers. Rosaceae
small tree 15', with contorted drooping branches
fls under outer leaves, all rose colored
- 15450
3
Trechus pallidus Sw.
small under story tree of 12', branches spreading
fr. green
- 15451
2
Foetidium portoricensis Woodh.
river bank vine, fls red
- 15452
2
Tabernaemontana citrifolia L.
river side tree long arching branches, ls curved over
fls greenish white

N. side of Younger, Jan 22.2 1/28/62

- 15453 *Securidaca virgata* Sw.
1 in river, hanging from rocks
- 15454 *Heliconia bifurcata* Cav.
1 bank of Mill river, the purple-lobes, deep purple
at base, stems in whorls along culms
- 15455 *Borreria verticillata* (L.) Mey.
2 in river bed fl. white, subject to flooding, in narrow
- 15456 *Eleocharis yunguis Britton*
1 in river bed.

27/63

Km 19 to river

15457

✓

Ardisia bracteata (Nees) Mey.

scandent tree, 30', calyx brown, fr. green
lax, pink

15458

Meliosima herbertii Rolfe

erect tree, 40', fr. green lax, short
subscarp

15459

3

Cassythia elliptica (Sw.) Poir.

fruit tree 20', dbh 5", fr. young fr. green

15460

3

Agave laurocarpa Wurf.

tree 30', dbh 16", abundant milky juice,
fr. green, air red

15461

3

Azora ferrea (Jacq.) Benth.

Solan.?

slender tree 15', dbh 3", fr. green 2 bracted,
lax, lax

15462

4

Rhodia ^{potanensis} acuminata (Spring.) Tr. & Pl.

fruit tree to 15', l. dark green above, yellow-green below
rigid, fl. yellow, corolla lobes broad

N. side El Yungas - Km 19 to river 1/29/69

15463

2

Chorizanthe heterotrichum cynosuroides (Wendl.) Urb.
common large shrub, fls. white, fr. yellow-green
young leaves bright pink colored

15464

2

Anthurium scandens (Aubl.) Engl.
epiphyte, suff. bright green

15465

2

Cestrum macrophyllum Vent
forest tree, long spreading branches, fls. yellow
stems greenish, fr. green

15466

2

Colerium Tulae Urb
epiphyte, corolla pink-orange.

15467

1

Asplenium Gymnosiphon portoricensis Urb.
leaves white, stiff

15468

4

Chamissoa altissima (Jacq.) HBK
climbing vine, ♂, petals white prominent

Phytolacca

15469

3

Chamissoa altissima (Jacq.) HBK
climbing vine, perianth white crystalline, seed
jet black ♀

- 15470 *Eleocharis elegans* (HBK) BrS
wet hillside, 3-4'
- 15471 *Castanea Wallemia purpurascens* (Vahl) Mez
✓
small tree 15', fr. brown, ls. clustered & separate clusters
- 15472 *Begonia decandra* Pav.
✓
common wet hillside, flowers white, perianth red
- 15473 *Psychotria brachiata* Sw. Rub
fr. brilliant blue, sprawling shrub 8'
- 15474 *Polanthes fruticosa* (L.) Ktze
✓
erect herb to 3', fls. white
- 15475 *Freziera sintonensis* Warb.
✓
wide spreading tree 20', open fls., ostiolar slightly
clustered red
- 15476 *Solanum portoricensis* (Vahl) Aub.
fls. white, herb 6'
- 15477 *Coffea ~~arabica~~ arabica* L.
small shrub, fr. red

S. Smith & Younger Nov 22. 8

- 15478 *Lobelia portoricensis* (Vahl) Walp.
i Shrub to 5', fls. red brown
- 15479 ~~*Hemipeltella*~~ *Miconium amygdalinum* (Lam.) Wro
v spreading shrub to 12', fls. yellow white
- 15480 *Psychotria berteriana* DC
shrub to 15', fls. white, all styles exserted, infl. yellow
green
- 15481 *Odontomeria strictum* (Vries) Ktze. Acantth.
i Cult. shrub on rocky bank, fls. bright red. Vistonia
- 15482 *Prescettia oligantha* (Sw.) Small. Orind.
Terrestrial, fls. reddish, no leaves
- 15483 *Lobelia robusta* var. *portoricensis* (DC) McV.
white fls. Shrub to 6'
- 15484 *Begonia nelumbifolia* Schlecht. & Cham.
v woody rollia, fls. white, ls. peltate

- 15485 ✓ *Dioscorea sarmentosa* Sw
scrambling herb, fls white, to 15'
- 15486 ✓ *Rourea surinamensis* Miq.
high climbing woody vine, fls red-orange at top
- 15487 ✓ *Coccoloba sylvatica* Sw.
fls yellow, 10', velvety thicket
- 15488 ✓ *Coccoloba sylvatica* Sw.
fence row tree, 12', fls green
- 15489 ✓ *Farewellia occidentalis* (L.) Richt.
shrub or small tree, fls green, 15',
secondary woods
- 15490 ✓ *Coccoloba arborea* (L. C. Richt.) Vahl
fence row plant, 12', fls yellow
- 15491 1 *Moradobbia Rudolphia volubilis* Willd.
vine, fls on old wood, fructs colored

Melander to Boston Dome 1/28/23

- 15492 *Daphnopsis phillyriae* K + U.
1 shrub tree 15', dbh 3", ♂ fls white
- 15493 ~~Platanus~~ *Septentria schenkioides* R. f
epiphyte, fls yellow-orange, purple in center
- 15494 *Hedyosmum arboreum* Sw
1 shrub tree 15' ♀ fls green
- 15495 ~~Dioscorea~~ *Rajania cordata* L. ✓
2 herbaceous vine, fls yellow-green
- 15496 *Hemitelia rugosa* Oer.
1 compact arching shrub, 4-5', fls pink
- 15497 *Platanus* ~~aristata~~ *aristata* Hook. orchid
epiphyte, fls brown-purple
- 15498 *Daphnopsis phillyriae* K + U.
♀-fruiting specimen, shrub 10-12', main color t.
crushed foliage
- 15499 *Hedyosmum arboreum* Sw.
♂, tree of 25', center dark yellow

- 15500
1
Daphnopsis philippiana K + U.
small shrub or tree, 9', fl. green
- 15501
Miconia pachyphylla Cogn. Miconia
shrub of 9', petals pale purple
- 15502
1
Daphnopsis philippiana K + U.
♂ fl., 4', fl. cream
- 15503
Miconia pycnanema Urban
shrub of 9', stem deep red purple, ls pale below
veinlets white with central red line, fl. purple
- 15504
2
Seleznivella Kingii Hieron.
epiphyte in cloud forest
- 15505
1
Daphnopsis philippiana King + Urban
shrub of 6', fl. green
- 15506
2
Bacopa procumbens (Mill.) Griseb. Scroph.
prostrate shrub strongly rooting at nodes, fl. yellow
may be introduced weed
- 15507
1
Calyptroanthus Kingii Kierulff Myrt
fr. red, 3' shrubs

- 15508 *Ceanothus sinterianus* Urb. Ginger
woodlike shrub to 4', fls. to lighter below
in cloud forest
- 15509 *Trachomanes rigidum* Sw.
2
filmy fern in moss on floor of cloud forest
- 15510 *Bacopa stricta* (Schrad.) Rob. Mint
shrub to 4', cloud forest open areas, fls. white
- 15511 *Sporoclea repens* Jacq.
2
climbing vine, fls. fuchsia colored, axillary branches
forming tendrils for climbing
- 15512 *Meryoria santonii*
vines - climbing, veins orange red
- 15513 *Tabeaia rigida* Urb. Beign
1
tree in cloud forest, abundant, to 20', fls. fuchsia
- 15514 ^{*Borengianus* Urb.}
Cordia nitida Vahl. (aff.) Borog
west tree, 15', fls. green

- 15515 *Micropholis ^{garciniifolia} rubra* Prinn Agrost.?
tree of cloud forest to 20', fl. white, fr. green
- 15516 *Ocotea squarretata* Mez. Lauraceae
4 common tree of cloud forest, to 25', fl. yellow
fr. green caps brown
- 15517 *Eugenia borinquensis* Britton Myrt.
4 tree of cloud forest to 25', fl. white, calyx red
fr. red, 1 seeded
- 15518 *Goncalys portuensis* (Vahl) DC Sm. Vaceariae
1 epiphyte shrub, young foliage brilliant, fls
rose at base, white at apex
- 15519 *Miconia pachyphylla* Cogn. Rubiac.
1 shrub of 8', fls purplish
- 15520 *Dysoxylum philippiana* K & U.
1 shrub of 8', fr. light green - suitable for cuttings
- 15521 *Platanthera ~~leucantha~~ leucantha* Cogn.
epiphyte, fl. orange

Seignette Beach 7/29/63

- 15522 *Eriothalic frutescens* L.
erect shrub 8'; fls white, petals 4-5, fr. black
to some brown - smooth
- 15523 *Kalstroemia*
scolding plants, fls yellow, fr. yellow green
- 15524 *Cyperus penicillatus* (Lam.) Willd. Sedge
sandy area back of beach

La Mina Falls Trail - El Yunque

- 15525 *Pleurothallis recurvifolia* R. Br.
epiphytic orchid, fls yellow
- 15526 *Pleurothallis velutipes* Rolfe. - somewhat suffr.
15526 *Pilea* sp. *marginalis* (Juss) Wedd.
on rock,
- 15527 *Bumelia hamiflora* Vent.
tree of minor ht, to 15'; fls cauliflorous, red,
fruit brown, seeds red
- 15528 *Psychotria brachiata* Sw.
shrub of 5' fr. bright blue

- 15529 *Psychotria uliginosa* Sw.
shrub 6'; fl. bright red
- 15530 *Comocladia glabra* (Schultz) Spreng. Arumaceae
wood like shrub 25'; fl. bright red
- Mt. Button trail 16 - El Yunque
- 15531 *Alpinia antillarum* R+S.
shrub 5 ft, bracts & rachis coral red, fls. white
- 15532 *Miconia foventata* Cogn. Melastom
shrub 8'; ls. dark green above very rugose veiny
below, pubescence dark red, patches white
- 15533
1 *Andinia lequilleria* (Brit.) Abreu
shrub of 10'; pedicels red, fls. green
- 15534
2 *Brunneria laeta* (C. & G.) Blake
fls. white with purplish edges, fr. orange
erect shrub 6'

Mt. Butler trail 16 El Yunque

- 15535
✓ *Cynilla racemiflora* L.
erect slender tree 15'; old fruit
- 15536
1 *Geomium Trichilia pallida* Sw.
slender shrub, fls greenish-gray
- 15537 *Rhynchospora Eleocharis floccida* (Rich.) Vahl
terrestrial in wet place
- 15538
5 *Daphnopsis philippiana* K + W
shrub to small tree 12' dbh 2" ♂ fls white
or cream, fr. green turning white
- 15539
✓ *Bumelia lactea* Kun + Vahl
arching shrub to 12'; fr. green
- 15540
✓ *Hillia parasitica* Jacq.
epiphytic woody shrub or vine, fls white
petals 5-6, fr. green
- 15541 *Ageratum conyzoides* L.
purple fl. shrub at tower - seeds

15542

Polypodium tripuratum L.
epiphyte

fern

15543

Psychotria malcolmsii Vahl
shrub of 8'; fl. buds white,

15544

Nephrolepis philippinensis K. & U.
shrub of 6'; ♀

v

April 1 - La Mina Falls Trail

15545

Hirtella

shrub of 8', fls red, fr. bright red, wedge shaped

15546

Guarea

fruit tree, 15', fl. carulefluous, red, fr. orange brown
axis red

15547

Deplanesia

fruit shrub, to 12', fl. white

15548

Conocladia

wood-like shrub to 8', fl. pink.

15549

Elysiptomum ~~*fasciculatum*~~ ^{*agardum* (Kaulf.) Schott.} ~~*crinitum* (L.) Christ.~~
epiphyte

15550

~~*Polypteron*~~ *Nephrolepis* *montana* (Vahl) C. Chr.
epiphytic

15551

~~*Alsophila*~~ ? *Thelypteris* *decussata* (L.) Prout & Taylor
up to 6 feet long very soft. terrestrial

15552

~~*Alsophila*~~ *Pteris* *arborescens* L.

lvs. 3 divided. lateral ones unequal, divided at base.

- 15553 *Bolbitis microthamnosifolia* (Sw.) Alston
fern Terrestrial.
- 15554 *Dennardia elliptica* V.C. Sm
Terrestrial dimorphic, nodes.
- 15555 *Vittaria remota* Fee
Vittaria ? epiphytic.
- 15556 fern epiphytic. *Asplenium cernuum* Lam.
- 15557 *Tectaria triplata* (L.) Cav.
terrestrial
- 15558 *Blechnum occidentale* L.
terrestrial
- 15559 *Asplenium pseudorectum* Hieron.
fern epiphytic.
- 15560 fern Terrestrial. *Thelypteris sancta* (L.) Ching. det Taylor
- 15561 fern epiphytic *Polypodium chinensis* L.
- 15562 *Diplazium reticulatum* L.
terrestrial.
- 15563 *Cladophoglossum* ? Terrestrial

- 15564 *Belagimella Krugii* Hieron.
terrestrial
- 15565 *Polypodium ? discimile* L.
terrestrial
- 15566 fern *Polypodium choodes* Spreng.
terrestrial
- 15567 ~~Polypodium~~ *Alandra articulata* (Sw.) Presl.
epiphytic
- 15568 fern. *Polypodium molleminum* Fée
epiphytic drooping very soft.
- 15569 fern
terrestrial
- 15570 fern *Polypodium curvum* (L.) Kunt.
terrestrial
- 15571 fern *Trichomanes rigidum* (Sw.)
filmy on wet banks

- 15572 fern *Thelypteris angustifolia* (Muhl.) Presl
terrestrial.
- 15573 fern *Thelypteris altiorita* (Sw.) Presl det Tuzon
terrestrial
- 15574 fern *Alsophila beringiana* Maxon
terrestrial
- 15575 fern *Alsophila beringiana* Maxon
small tree fern cortex - 1 ft. tall.
- 15576 Luquillo Beach.
Cruzera
white fls. mat forming on sand.
- 15577 *Selaginella Krugii* A. S. P.
Terrestrial

April 2 - Martinson Property
at Kilometer 22.2

- 15578 fern, ~~terrestrial~~ *Thelypteris angustifolia* (Willd.) Presl
Terrestrial
- 15579 *Alpinia purpurata* (Vahl) K. Schum.
Cultivated, 10' high, fl white. Bisipernous
- 15580 *Coccoloba pyriformis*
Riverbank tree 12' tall, fr red when mature
- 15581 *Lycopodium toxiphium* Sw.
Epiphytic
- 15582 *Miconia*
Riverside tree 15', fr rose-purple
- 15583 *Eleocharis glauca* (Poech.) Urb.
Cracks in rocks in riverbed. Foliage rigid
- 15584 *Clusia*
Scandent river-edge tree, juice white, fr
red-orange at apex.
- 15585 *Pitcairnia angustifolia* (Sw.) Presl
Terrestrial along river. Inflorescence, fl + fr red-orange

15586 *Papyrus*

Cultivated aquatic to 2' tall.

15587 *Passiflora solutis* Swin.

Cultivated vine; bracts 3, green; petals green on keel, white inside; corona purple at base, white at edge.

15588 *Freyenettia multiflora* Max.

Cultivated shrub 2' tall, bracts pale orange, fr green

15589 *Achyranthes*

Cultivated herb, stems tufted, leaves dark red, middle areas bright red, stems red, fl clusters white.

15590 *Casuarina*

Cultivated tree 40' tall, pistillate fl bright red.

15591 *Fosteronia*

Riverbank plant. Arching vine, inflorescence + fl bright red.

15592 *Solanum macrodon* L.

Eggplant, cultivated herb to 3' tall, fl pale purple, stamens bright yellow, fr yellow.

15593 *Clidemia*

River thicket disjunct shrub to 5'. Calyx ~~to~~ lobes 5. Fr pale lilac when fresh.

594 *Schlegelia*

Riverbank vine forming dense tangles, fr yellow-green

Palma 4/3/63

15595 *Hirtella*

riverbank tree to 20', petals white, filaments purple

Playa de Cocaten 4-3-63

15596 *Piptadenia acuticarpa* (Vahl) Urb.

shrub to 12', many trunks, ls glossy, fl brilliant yellow

15597

Pithecellobium

perennial, foliage orange-green, with red, fr. green
stem red purple - on sand

15598

Katzenbergia

rare herb, fls yellow

15599

Reynoldsia

beach edge plant to 3', fls yellow-green, fr. yellow
to fleshy

15600

Cordia alliodora

roundish tree to 20' dbh 12' fls yellow
fr. red-orange

Seymour Beach

15601

Katzenbergia

perennial fleshy herb to 2' long, fls yellow
fr. green - rounder fr. red

April 5

El Yunque Peak &

- 15602 *Miconia*
shrub 10 feet - infl. & calyx reach red, petals white
- 15603 *Ilex nintensis* (Walt.) Britton
fls. white - berry red. Shrub → 2 feet.
- 15604 *Hedyosmum* ♂
shrub 10 feet - spikes yellow.
- 15605 *Hedyosmum* ♀
shrub 10 feet - spikes green
- 15606 *Dioscorea Rayana cordata* L.
vine - fls. yellow green.
- 15607 *Begonia*
fls. white - stems bright red.
- 15608 *Paratithis*
shrub - fls. pale lilac

15609 *Limociera*
tree to 15 ft. fls. white. frs. purple.

15610 *Acotea spatulata* Mez
shrub to 8 feet.

15611 *Hornemannia*
climber with arching branches.

15612 *Brunfelsia*
petiole specimen only.

Pico del Este

April 5

15613 *Urticaceae*
fertile parts white.

15614 *Trichelia*
small tree. fls. greenish white.

15615 *Polypodium asplenifolium* L.
epiphytic, soft hanging.

15616 *Aloplectis ambigua* Vahl.
fleshy epiphyte - Corolla yellow - Fr. white - Calyx red.

15617 *Coluccia aloplectis ambigua* Vahl.
epiphytic. Bracts pale - Corolla yellow

15618 *Antlurium dominicense* Schott
epiphytic. Bract yellow green.

15619 *Habenbergia portoricensis* Mez.
epiphytic. Fr. green.

15620 *Eleocharis yungasensis* Britton
large clump.

15621 *Cyperus*

15622 Grass. *Pennisetum purpureum* Schum.

15623 epiphytic fern *Polypodium Neesii* Maxon

15624 *Blechnum exaltatum* (Fée)
terrestrial dimorphic fern

- red.
- 15625 ~~Clypeanthus~~ *Myrcia splendens* (Sw.) DC.
Shrub 7 feet - fls. white
- 15626 *Miconia*
Small tree - 12 feet, fls. white.
- 15627 *Furcraea*
- 15628 *Daphnopsis*
Shrub 8 feet. white fls. fragrant.
- 15629 *Lycopodium meridionale* Chodat & Spegal
closely appressed to the ground, very brittle.
- 15630 *Polypodium jubaeforme* Kuntz.
epiphytic fern.
- 15631 Lamac. *Ocotea leucorhiza* (Sw.) Mez
- 15632 fern *Polypodium amplifolium* L.
epiphytic.

15633 Carex

15634 Ageratum

fls. lavender.

15635 ~~Sida~~
~~Sida~~

Pool on Dennis' Trail

15636 Ardeazita

20 ft. forest tree.

15637 Parathesis

fls. lilac. Shrub to 7 feet.

15638 ~~Myrcia~~ Mikania pachyphylla Vahl
Vine. fls. white.

15639 Cyperus

15640 Octodesmia montana (Sw.) Britton

Orchid. fls. white. epileptic.

15641 fern Polypodium ~~hirsutum~~ Maxon
epileptic.

- 15642 fern *Polypodium Laciniosum* Jenm.
epiphytic.
- 15643 Pilea
epiphytic.
- 15644 ~~Calceolaria~~ ~~montana~~ Schott *Calceolaria bicolor* (Lam.)
roadside escaped?
- 15645 tree fern *Cyathea brookii* Maxon
trunks to 8 feet tall.
- 15646 Pilea
terrestrial. Infl. purple.
- 15647 *Cochlidium minus* (Jenm.) Maxon
fern epiphytic.
- 15648 *Polypodium duale* Maxon
fern epiphytic.
- 15649 *Campylacentrum pygmaeum* Cogn.
Orchid epiphytic.

15650

Pezizospora cypripedii (Curt.) Mont.

15651

Ocotea spatulata Mey.

fr. 1 inch diameter, $1\frac{1}{4}$ long.

East of T. 1

1565 *Senecio malagasicus* Jacq
var. *malagasicus*

1566 *Senecio malagasicus* Jacq
var. *malagasicus*

Family

1567 *Compelia zanzibarica* (L.) HBK

Compositae

1568 *Ficus benghalensis* L.

~~1569 *Ficus glauca* L.~~

1570 *Ficus hookeri* Miq. (Cult. S. I.)

var. *hookeri*

1571 *Anthracanthus spinosus* (Jacq.) Nees

1572 *Crotopetalum macrodonum*

Celastraceae

W. ...
Calidonia Entabna Ham Bay
Area of ...

500 *Trichostema hirta* L.

506 *Boerhaavia sulcata* Sauerbr.

507 *Thymococcus pedunculatus* DC

508 *Gesneria cuneifolia* L. *Gesneria*

509 *Enallagma latifolium* (Mill.) Sw. *Boerhaavia*
Trichostema

510 *Passiflora coriaria* (Jacq.) Willd.

Mauritius - Oct. 31, Nov. 2, 1963

Det
11:5

- 15666 *Hymenophyllum prolegiale* Dur.
epiphytic fern
- 15667 *Phygodon scolopendrium* Dur.
epiphytic fern
- 15668 *Stegonotis concinna* (Sw.) Spr.,
- 15669 *Pistia mauritiana* (L.) Griseb.
- 15670 *Somariopsis pollicina* Rehm.
- 15671 *Asplenium* sp. aff. *ambrosium* Hook.
- 15672 *Pellaea forsteri* Hook.
- 15672a *Dryopteris scolopendria* (L.) Schott.
- 15673 *Oleandra stricta* Kze.
- 15674 *Sphenocarpus robustus* (L.) Copel.
- 15675 *Bolbitis spicata* Müll.

Australia

15676

Triclyptus tannensis Deakin

epiphyte on *Wochleria antarctica*

Simmings Creek area, Crangpore Victoria

Pointe St. Pierre - Longue Pointe area

Parish Estu - March 24, 1967

15677

Ocotea leucocarpa (Sw.) W. Greuter
weak branched tree, fls yellow, fr. green

Lauraceae

15678

Psychotria scandalioides (L.) Benth
fls white, long style,

Rubiaceae

15679

Stylidium sancti-jacobi (L.) Benth
climbing scrambling shrub, fls white

15680

Psychotria malabarica (L.) Benth
shrub 7', fls white

15681

Macaranga guineensis (Poir.) Benth
shrub to 10', fls cream-yellow, fr. green most
mature showing even red & red white.

15682

Stylidium sancti-jacobi (L.) Benth
long scrambling shrub, fls constant, white-green

Sijebdo
 -5
 -5
 5
 -5
 5

Stigara
 3
 2
 4
 3
 3

$5 \rightarrow 3, 5 \rightarrow 2, 5 \rightarrow 3, 5 \rightarrow 2, 6 \rightarrow 2, 5 \rightarrow 3,$
 $5 \rightarrow 3, 6 \rightarrow 3, 5 \rightarrow 2, 5 \rightarrow 3, 5 \rightarrow 2, 5 \rightarrow 3,$
 $5 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 4, 5 \rightarrow 3, 5 \rightarrow 2, 5 \rightarrow 2,$
 $5 \rightarrow 3, 7 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 4, 5 \rightarrow 3, 5 \rightarrow 3,$
 $4 \rightarrow 3, 4 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 3, 6 \rightarrow 4, 5 \rightarrow 3,$
 $5 \rightarrow 4, 5 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 3,$
 $6 \rightarrow 3, 4 \rightarrow 2, 5 \rightarrow 4, 5 \rightarrow 3, 4 \rightarrow 4, 4 \rightarrow 3,$
 $5 \rightarrow 3, 5 \rightarrow 3, 4 \rightarrow 2, 5 \rightarrow 3, 5 \rightarrow 2, 5 \rightarrow 2,$
 $5 \rightarrow 3, 4 \rightarrow 3, 4 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 3, 4 \rightarrow 2,$
 $5 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 3,$
 $5 \rightarrow 4, 6 \rightarrow 3, 6 \rightarrow 4, 5 \rightarrow 3, 5 \rightarrow 3, 5 \rightarrow 3,$
 $5 \rightarrow 4, 4 \rightarrow 4, 5 \rightarrow 3,$

6-4	1
6-4	2
6-3	3
5-3	4
5-4	7
5-2	9
4-3	6
4-4	2
4-2	2

7-3 | 1

no of Sepals

no of Pyrenes

no fert.

5-3-2,	5-3-1,	5-2-1,	
5-3-2,	5-4-3,	5-3-1,	5-2-1 14
5-3-2,	5-3-3,	5-4-3,	5-2 19
5-3-2,	5-4-2,	5-3-2,	5-3-1 15
5-3-2,	6-3-1,	5-3-3,	<u>5-2-0 1</u>
5-3-2,	6-4-3,	5-3-1,	5-2-1 1
5-3-1,	5-3-2,	6-3-3,	5-4-3 2
5-3-2,	6-4-3,	5-3-0,	5-4-2 2
5-3-2,	5-3-2,	6-3-1,	<u>5-4-2 2</u>
5-3-1,	6-4-3,	6-3-3,	4-3-3 1
4-3-3,	5-3-2,	5-3-1,	4-4-2 1
6-2-1,	6-3-3,	5-3-1,	4-3-2 1
5-3-2,	5-3-2,	5-3-2,	
5-3-2,	6-4-4,	5-3-1,	
5-3-2,	5-3-2,	5-3-2,	
5-3-1,	5-3-1,	5-3-1,	
5-3-2,	5-3-1,	5-3-2,	
5-3-2,	5-3-2,	5-3-3,	
5-3-2,	5-3-1,	4-3-2,	
5-3-3,	5-3-2,	5-3-3,	
4-4-2,	5-3-2,	5-3-2,	
	5-3-2,	5-3-2,	

S

Pico del Este

15643 *Mathonia pyramidalis* (Vahl) Pritz. Myrsinaceae
low shrub to 5', fls lavender

15644 *Synedrella* fern

15645 *Synedrella* fern

15646 *Hypocistis* *volubilis* L.
vine on rock - fls yellow

15647 *Sapotaceae*
tree along roadside - to 20', fls yellow-cream

15648 *Trichanthes caracasensis* Cham.
subt. tree, globular crown, to 25', fr. red.

15649 *Bambusa variegata* L.
20' tree, roadside, fls white, stamens 5

15690

Symplocos racemosa K & U
tree of 15', bushy, no shiny above, pubescent,
fls white, lvs. green

Sagu?

15691

Ternstroemia subsericea (Benth) Kth.
shrub of 12', lvs pale green below, rusty brown
pubescent, dark green above, fls white

~~15692~~

~~*Symplocos* sp.~~

15693

Symplocos sp.

Mt. Britton road to El Yunque

15694

Magnolia splendens Urb.
tree 20', fls white, lvs shiny brown below

15695

Wikströmia fragilis Urb.
shrub vine, fls white, lvs flky rough

15696 *Lassanthes montana* (Griseb) Wats. Rab.
shrub with scrambling branches, fls white, long styles

15697 *Eriogonum*
El Yungue rock -

August 1902 Puerto Rico

Richard Howard
Lieut. George Taylor, - with Mrs. & Miss Richard Wagner
+ Mrs. Roy Woodbury.

- 15698 *Magnolia splendens* DC
tree of 30'; dbh 18"; fls yellow & golden
pubescent below, petals creamy white,
fr. green. - El Toro trail
- 15699 *Solanum* ~~puberulum~~ puberulum T. & G.
round like shrub to 7' tall; fls green above
rusty golden pubescent below, fls purple,
stamens yellow, immature fruit green
- 15700 *Dendropanax arboreum* (L.) DC. & Pl. Acad. Sci. Paris
tree of 30'; fr. green
- 15701 *Habenaria*
terrestrial on bank of trail, fls yellow-
green
- 15702 *Wittia majuscula* Griseb
erect herb to 15'; branches with spreading
fruit green, ant red.

Wilmot's Peak

- 15703 *Hedyotis flavum* Rydb.
common herb, to 10'; fl. yellow

East Peak

- 15704 *Sedum cliffortium* L.
shrub fl. herb in old construction areas,
- 15705 *Silybium sintonianum* Vth.
shrub in cloud forest, fl. green
- 15706
shrub in cloud forest, to 2' tall, fl. green
- 15707 *Calyptanthus pruizii* Krauss. Agrostis
tree of cloud forest, to 3' tall, fl. green
- 15708 *Cyperus brevifolius* (Retz.) Hassk.
herb of wet area construction zone at summit
- 15709 *Phyllanthus urinaria* L.
herb of construction, fl. green.

15710 *Ocotia spatulata* Gray. Lamiales
shrub of marshy forest, fls yellow-
pink

15711 *Grammatocidia sintenisii* (Vahl) Gray.
shrub of \varnothing , summit forest peak

15712
(2) *Alchemilla*
grassy savanna area, fls yellow

15713 *Alchemilla*
grassy savanna area, fls yellow

15714 *Ternstroemia heptacarpa* K & Sta
shrub near summit, fls green

For Crocker Right Hand -

15715 *Chorizanthe xylocarpum* (Vent.) P. DC.
shrub of forest, to 12', fls greenish
yellow

See Catalogue Light House Hawaii, sheet

15716

Croton glaucus Merrill. C. G.

2' shrub, to lighter below, stamens white

15717

Gnaphalium robustum (Vahl) Kuhn

shrub to 12', sp. prostratum

15718

Calceolaria

series in Thoms. account, sp. pink white

Maintenance property Hawaii 22

15719

Belamcanda chinensis (L.) DC

herb, upright to 4', capsule green, seeds shiny black.
cultivated.

15720

Caryophyllus ellipticus (Sw.) Poir.

white petals, strong series

15721

Artemisia Kingii Urb.

20' tree, strong series, seeds all red or red
& black

El Yungue

Herminia Roberts

15722

Cyathus pubescens Witt & Kubn
plant 1/2 grown, to 6', fronds 4-5'

15723

Commodorei sentenaria (Lam.) Mg.
shrub of 5', fl. white

15724

Podocarpus coriaceus L.C. Rich.
shrub of 7', fl. small

15725

Cyathus pubescens Witt & Kubn
prostrate, trunk to 10', fronds to 9'

15726

shrub. vine, mossy forest, fl. deep red
purple, aromatic, 1 cm long Asatypit

Puerto Rico 11/23/64

La Mina Falls Trail

15725

Dyora ferox (Jacq.) Benth

shrub tree of 15', dbh 2", cauliflorous
and the tube rose-pink outside; reflexed recurved
lobes white

15726

Pogonotus brachiata Sw.

shrub of 15', fls. white, fr. bright blue

15727

Agathis sp. pub. *robusta* More

tree of 80', dbh 2.5', resin sample

15728

Podocarpus Coriaceus L. C. Rich

El Yunque Trail to The Penitents!

Mesa Palmarum

15730

Herposiphonia, common
tree, fr. slightly yellow-green

El Toro Trail

15731

Cestrum SPATHULATA M.C.C.
no fl., shrub of 8'

15732

Lycium Plinius sentenianii (Kearney) Britton
shrub of savanna area, to 12', fr. green

15733

Sycopsis ~~curvatum~~ ^{curvatum} Sw. L.

15734

LINDERNIA DIFFUSA (L.) WATSON.
~~Sycopsis~~
prostrate, rosette herb, fl. white to pink

15735

Croton ~~evagrorum~~ ^{evagrorum} Varnard
scandent shrub, fr. green

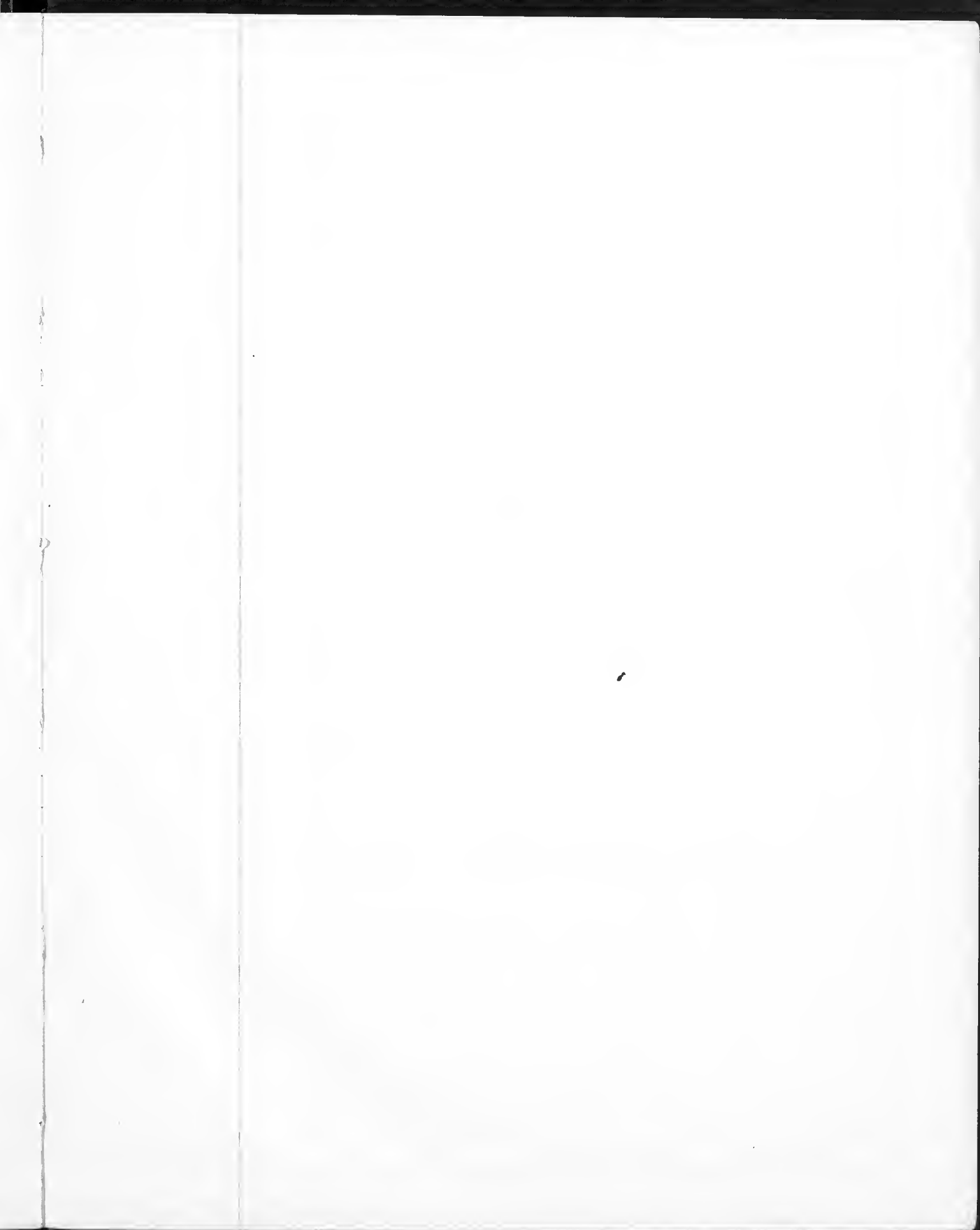
15736

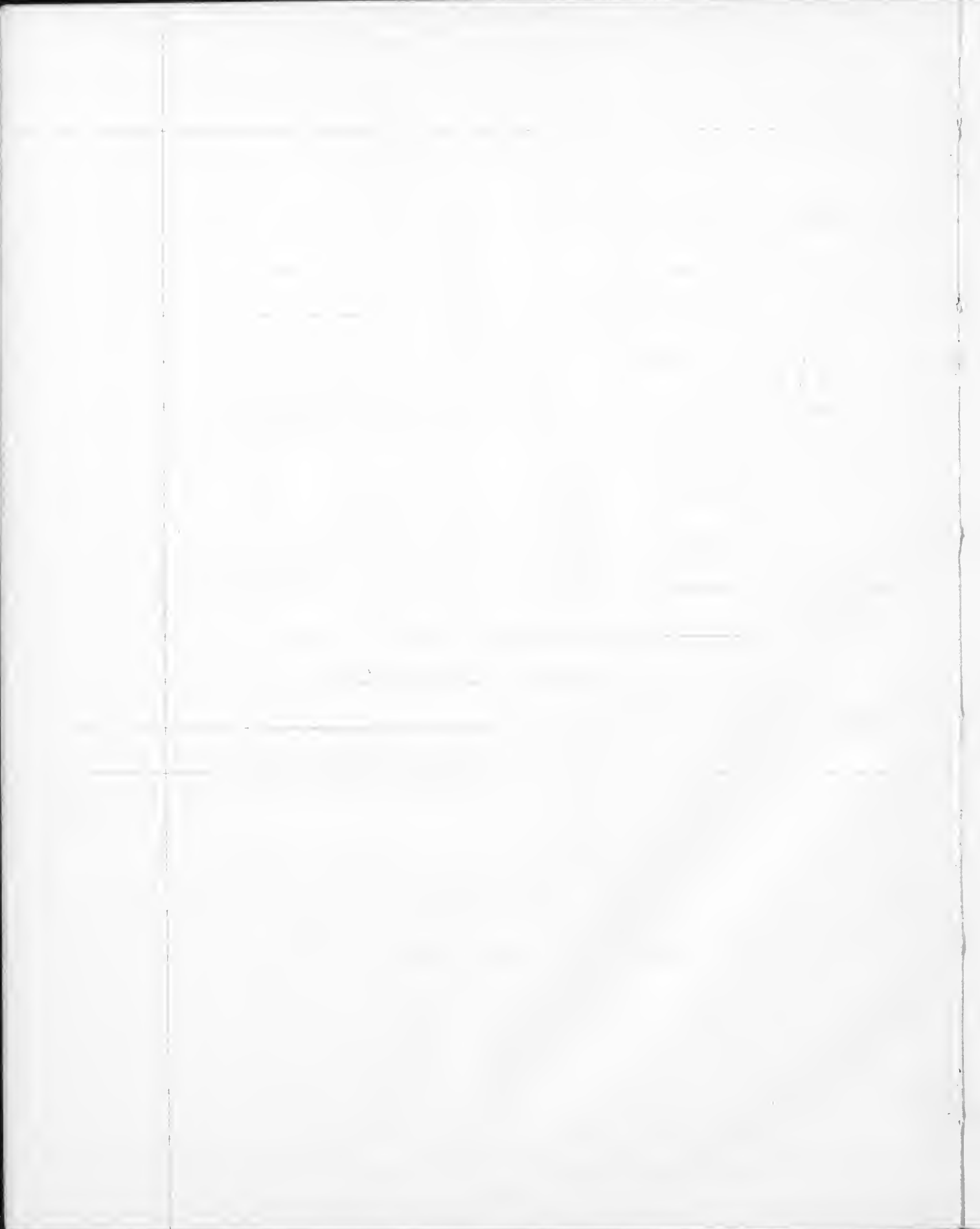
XYLOSMA ~~ARTZ~~ ^{ARTZ} SCHWANECKERANUM Vahl.
~~Mycocarpus~~
scandent shrub, fl. white, fr. white

15737 *Schinus ANTIILLARUM*. O.E. Schulz
 shrub of 6', fl. white, fruit red

15738 *Houkera pleiandrum* Blake
 tree of 30', fl. white

~~15739 *Alocasia plantica* Van Houtte
 cult. at Marianne's Hotel~~





Venezuela, Petate 18. 2

Parish Santa Ana Caracas

- 1 *Budmeyeria*
- 2 *Calyptranthes*
- 3 *Conoclinium*
- 4 *Palis*
- 5 *Cowslip* *leg*
- 6 *Senecio*
- 7 *Miconia* *Miconia*
- 8 *Asplenium* *Miconia*
- 9 *Argemone*
- 10 *Colocynthis*
- 11 *Heliconia* *TH*

12

Sentum

13

Curia

Curtif

14

Delacostoma (Acladia)

15

Phytanthus prunifolius

16

Polygonum

17

Cuscuta arborea

18

Trigonis

19

Borreria floribunda

acanth

20

Nesaea salicifolia

lythrae

21

Bulnesia

Zoysis

22

Tricanthura

acanth

23

Cordia

lythrae

24

Monotus

Labret

25

Boerhaavia

Cerat

26

Erythraea amurensis

27

Legontheum indicum

- | | |
|----|-------------------|
| 28 | <i>Phacelia</i> |
| 29 | <i>Lupinus</i> |
| 30 | <i>Trifolium</i> |
| 31 | <i>Trifolium</i> |
| 32 | <i>Castilleja</i> |
| 33 | <i>Monarda</i> |
| 34 | <i>Galium</i> |
| 35 | <i>Melilotus</i> |
| 36 | <i>Abutilon</i> |
| 37 | <i>Clavija</i> |
| 38 | <i>Senecio</i> |

Executive Council Meeting of ATB Cancer Society 1/4-5/65

Meeting set up and Bureau Colorado - no money for further meetings
in de. 5: grant of \$40,000 - for 3 yrs -

Stem acting secretary -

Emery, ^{Copie} ~~Stem~~, Loren - resolution committee

Carroll, Peter, Howard & Maguire, Norman, Thomas "

2. Report of president

ATB grant - needed articles of incorporation first 7/1/64

starting date

budget - (1) 17,500 (2) 22,805

publications (2) administration

salaries - no support for ex. dir.

2500 for 2 term secretary - 1,000 suggestion

Travel for pres. 2000

committee 1285 for 3 yrs.

no allowance for indirect costs

Mrs Maguire in death in fact - + approval noted

Maguire trip - in place of field work + trip to Dist. Congress

Cross line transport grant - NY to Santiago + return

involvement of superintendent - not property holder
or facility operator -

need for regional sea treatment

Patent - appeal to revive or find sea for Brazil

Burkhardt - Argentina "

Manar - Chile "

Ferreira - Peru "

Lasser - Uruguay

Columbian - Flemish

de Abate - Costa Rica

San Marti - Uruguay

Gomez - Panama - Mexico

Ugaiter Montez - Panama

Parrish - W.I.

Roberts UK

report of president approved!

12 4) Report of editor - notes submitted

1. secretariat help fund available

2. need for zoologist editor & assist. in zool. matters

3. " for local articles - zool. interest

5 Institutional Changes -

\$2 per volume!

#5 subscription price - 20% discount
except advertising -

free to subscribers - no exchange

back by the secretary!

Cost of Bulletin - as of Nov. 30.

~~2550~~

→ 3160 to Hunter

+ 172 BW "

6. Finance Committee

Blockfeller + Ford - not interested in operation of
organization -

PAM Union + OAS - sticky going
! what are publications

newly recruited + organized

H. Howard, J. Gabe Clark

Caravallo, Sprigel - Lesser, McVey
Schuttler

Pres. to select from the group!

Executive Committee

Carroll - Morgan - Pres. sheet - plan one!

Howard, Roshink, Vannucci - on them 66

~~sheet~~

sheet - pres sheet, 3 committees

appoint T. Koyama as secretary treasurer

Committee teachers exchange & student - scholarships

Baker, Ferrey, Vannucci, Skelohing, Hernandez

18, one - continue work of Bridge - Koch committee

Dec 7 report - 1 committee member returned letter

Baker resigns

+ Podurston - replacement suggested

+ Morison - Budget handles assigned for Budget Res. Council

(Hernandez, Baker, Ferrey, Skelohing)

Education, Research & Development Committee

(Savage) Rittel, Agate, Mann, Dawson

Savage chairman - no reply!

Test (Mich.) Wraynikian (Barry Zolovick)

Podowski - Lopez

Mann (chairman)

Preservation & Conservation Committee

Cain, Colledge, Worthington

^{Review} Berchamps - manuscript in conservation committee

for work in Spanish & Portuguese
ask Sanchez E. de Arana & Vaz, Bethlem (Mexico)
Cain Worthington
Stromy Corneil
Colledge Larner
should coordinate with larger groups such as IBCP

list of sources of books etc for magazine

sources of funds for operating. ATB & executive director's salary

possible candidates for executive director

T. Schubert

R. Drescher

L. Holdridge

C. Weber

D. Powell

Symposium on Amazon Basin - Am. Birds Birta
April 1966 -

Cair

IBP - Inter. Bio. Program - 2 yr prep. - 5 yrs active
official proposal - not out yet to be published
based on committee reports - got from
B B Worthington, 19 Balgunde Sq. London SW 1,
(Nature Conservancy) - get complete program
a. each nation participates as it wishes -
no authority
about \$100 - 10,000 - most \$20,000 annually

productivity interests

Naturalists Guide to America

protected places available for research!

in the Plants & Plant Societies in Latin America

-12- Flora Neotropica -

complete flora of neotropics - justification & content

UNESCO - organized 3 meetings - Manaus, Sao Paulo
& Sao Paulo (12/64) - organizational

flora in monographic form - not in series, not
in systematic order - not complete with regard

or natural flows -

1. develop coordinating organization for non-synthetic studies
2. provide assistance to users wanting material or regional flows

OTN - organization flow most typical ^{executive board} ^{people}
Council or governing board - commission - all matters
secretariat - at institution - NYBG -
scientific work shared by Smithsonian (Ridley
offered housing + secretarial help) also by Institute
Botanic Soc Paris & by Buenos Aires (Univ. of.)
Smithsonian + BA selected
^{phen} ^{organism}
Cuatrascas + P. Singer scientific directors
executive director - magazine

Council of OTN requests affiliation with ATIS
Bulletin to carry notes - approved!

ATB invited to affiliate with IAPT - declined

OTS - teaching interests - consult teachers
Savage - Savage - investigate association

13

Nominations of officers

President - Carver

President elect - Ray Fosberg,
R. McVaugh
H. Moore

Howard US

Larson V

Richards UK

Stem US

Vannucci Be

Mann Chile

Willinks Arg.

Standing committee on economic biology

Publications Committee - Cabrera - Editor of J. G. Interactions

Hunter, Adams, Piquini, Schubert

Presidents - Ecology.

Adams - Zool.

Schubert - Bot. Ester

14

Other Business

New fellows -

John Hutchinson - New UK

A. W. Bailey - Howard - US >

Theodore Dobakinsky - US

Luís Travençolo - Brazil

Alexandra Brade

(Hamilton P Tramb -)

Holtum -

Brochure - for distribution

April 1, 1965

El Toro Trail - Sequoia Mts. (Pescadero)

15739

Thelypodium ~~*speciosum*~~ (*var.*) *speciosum*
~~*speciosum*~~

fronds to 6', young petiole heads glabrous

15740

Cyathea pubescens Karst.

smaller fr. trunk specimen

15741

Psidium ^{*arborescens* Sw.} + *small*

♀ voucher for preserved material

15742

Liriodendron lanceolatum (Carruth.) Hook.

trunk specimen voucher for wood

15743

Miconia pachyphylla Cogn.

shrub or small tree

fls. pinkish, small, young stem tawny

15744

Daphnopsis phillyrifolia (Pursh) Hook.

trunk recent specimen

15745

Ritida myricoides Cassid.

shrub tree 5-10' 20', fls. cream, fl. stalk green, stem

15746 *Isachne angustifolia* Nees
climbing grass.

15747 *Solanum* n. sp.
voucher n. sp.

April 2, 1965

East Peak

15748 ~~*Strobilanthus*~~ *Plechonan* *peruviana* (Lamour.)
voucher for trunk (Herbert) J. C. Chen

15749 *Psychotria guadalupensis* (DC.) International
voucher for wood specimen
Km. 15.5

15750 *Margaritaria americana* Mill.
voucher

15751 *Turnstroemia leptocarpa* Gray & Planch.
voucher for cytology

15752 *Myrica Robbrazziana* Standlett
voucher for cytology

White Area of Rio Blanco

15753

Orgea sanguinolenta (L.) Willd.

15754

Doranthus perquis-catus (L.) Mun. Bigelow
high vine, fls. creamy yellow, calyx green
fr. to 3' long

15755

Polypodium bistratum Sw.
perennial trailing on ground -

15756

Hibiscus tiliaceus L.
large old tree on trail

15757

Dioscorea polyzoides HBK.
vine ♂ abundant, ls. shiny green
slightly succulent

15758

Coccoloba rugosa Desf.
long arching root like, along river near
falls, with bright orange red

Trail down water pipe to Hydro-electric plant
April 2, 1965

15759 ~~Aracium~~ *Dioscorea repens* Hook.
vine among springs, flowers brown & white
hair white

15760 ~~Aracium~~ *Mimosa peruviana* L.
vine on rocks, flowers brown

15761 *Pipturus domingensis* Jacq. Vect.
tree of 40', fls. white, leaves yellowish
upper below.

15762 *Rosyptis Himantia* palm tree
fern on rocks - stink

Km 6.2 str 191

15763 *Pteris hematelia* Borreria (L.) Spreng.
tree fern rocks, spring rocks on crevices

15764 *Aleophila aculeata* Christ
small tree fern, spring,

Las Cruces Falls area

- 15765 *Ficus sintenisii* Wats.
tree of 25', near bank, below terrace
fr. green
- 15766 *Mangrovia rectiflora* Tr. & P.K.
erect, fls upright, stamens long white
fr. green brown - seeds & plantlets red
- 15767 *Elochaima yucatanensis* Britton
on rocks of Falls
- 15768 *Cassia antillana* (B. & R.) Abreu
vine, fr. green yellow, spots lengthwise
- 15769 *Epithymum plantaginifolium* (L.) F. & R.
terrestrial orchid, fls. white
Herb. 191 on st. 191
- 15770 *Rorippa polygama* HBK ex Walld.
Herb. vine, fr. bright green

Km 19.1 on rt 191

April 3, 1965

15771 *Tabernaemontana heterophylla* (DC) Britton
roadside tree, fls large pink, tree 7 35'
d.b.h. 12"

15772 *Pollicodium graveolens* (Sw.) R+S.
voucher for wood sample
forest tree 2 15' d.b.h. 2", fls yellow
long style, pedicels red

15773 *Sepium latum* occidentalis (Walt)
tree of 50', fls style cream

15774 *Polygodium noronhaiense* Kuhn
fern, epiphytic

Km 11 on rt 191

15775 *Gonocarpus*
on road slope fr. red-orange, yellow
throat!

Montezuma

15776 *Cyathea arborea* (L.) S. Looe.
Tree fern voucher

Black tape Plants tagged back of Casa Rosada, toward pool

1. Cecropia
2. Two fronds of a tree fern.
3. Potomorphe
4. Three pinnate polycias
5. Fringed polycias (1) 17 lbs from top 1/21/66
6. Frond of tree fern (stairway to pool)
7. Leaf of philodendron 5 mm leaves 1/21/66
8. Potomorphe
9. Didyma panax 46!
10. Garcinia got
11. Citrus (tip of last flush, apex of present flush) ^{no change} _{alt. growth} 1/21/66
12. Piper seabum
13. Gonzalagunia
14. Hirtella (base of new flush w. 5 terminal leaves) ^{1/21/66} _{some stopped growing}
15. Cecropia got!
16. Sapium (terminal leaf of terminal shoot, gone!)
" " " lateral ") 12 mm leaves 1/21/66
17. Psychotria pubescens (terminal leaf below an inflorescence)
(basal leaf of a shoot from below " ")

- Gold tape
15. Philodendron (terminal leaf, 2 lobes) 1/21/66
 16. " (back of tree, terminal leaf, no lobes, some gold)
 17. " (terminal leaf, no lobes, no gold)
 18. Didyma panax (petiole about 4" long)
 19. Miconia (around stem + below first 2 leaf primordia, both eaten)

Black Tape

Plants tagged by swimming pool shelter

1. Base of a flush of citrus
2. Melia (small fruiting cluster in axils sixth leaf from youngest)
3. Marcapia (just below first leaf) old 1/21/66
4. Philodendron (youngest leaves on two shoots) 1 parent 1/21/66
5. Marcapia (inflorescence, 10 flower buds, 1 nectary)
 - (10 flower buds, 2 nectaries)
 - (10 flowers, 1 left with stamens, 2 nectaries)
 - (10 flower buds, 3 nectaries)
 - (10 flower buds, 3 nectaries)

2 parent
shrub axils
1/21/66

✂

Gold Tape

Plants tagged around nursery area

1. Clusia
2. Jabutia (common tree - top parent 1/21/66 leaf below inflorescence of axils)
3. Micronia crenata (lateral shoot w. 2 full leaves + 2 bud leaves above it)
4. Lantana
5. Cordia
6. Mamea (2 nodes above, upper one w. 1 leaf) same 1/21/66
6. Eriobotrya gone
7. Another eriobotrya. on leaf 2/3 way 1/21/66
8. Male papaya (third leaf from top) gone
9. Delonix (by pool) gone

10. Breadfruit (last leaf of old flush) - above pool
11. " (first leaf of new flush)
12. Inga (soft but fully extended)
13. Epiphytic Polypodium (expanding young frond)
14. " " "
- 15-19. See plants on stairway to pool.
Roadside near Casa Rosada, going downhill)
20. Avocado (lateral shoot w 5 leaves)
21. " (terminal shoot w. 8 leaves)
22. Phyllanthus (second leaf) (near casita.)
23. " (stem below 4 leaves)
24. Pittca (stem below terminal pair of leaves)
25. " " " " " " " " " " " "
26. Breadfruit (stem below youngest leaf)
27. " " " " " " " " " " " "
28. Cordia pubescens (below 2 leaves at bifurcation)
29. " " (vigorous shoot below youngest leaf)
30. Cichaspeplum (vigorous upright shoot below top 2 lv.)

!!
 Eucalyptus - flank of growth elongated at bracted nodes - 3 leaves small to large to small - then doming in front & scales.

Blue tape

Martinson's front yard

- 1 Crozier 2 1/2' long
 - 2 " " "
 - 3 Crozier bunches long
 - 4 " " "
- } tree fern

Martinson's back yard & down steps

1. *Phorrea* - 2nd leaf pair down
2. *Pectelia* - between 2nd & third pair of leaves
3. *Avocado* - below 6 mature leaves; young flesh showing ~~to~~ two.
4. Tree fern w. Crozier 4' long.
5. *Solanum ficifolium* - on stem below second lobed of 3 leaves.
6. Tree fern - Crozier 2' long.
7. Tree fern - Crozier 1' long.
8. " " - " 3' long
9. *Polypodium guylfoylei* - stem 3 leaves from top
10. " " " " 3 " " "
11. ~~Acacia~~ *Acacia* - stem 3 leaves from top
12. *Bixa* - stem ~~at~~ below 2 br. & inflorescence
13. " - " 3 br. below fruit
14. " - lateral vegetative shoot, 2 mature leaves, juvenile shoot showing 1 leaf.
15. *Hippocrepis* - young flesh below 2nd pair of leaves.
16. " " " " " " "

At pool

17. *Trichilia palida* - stem below 3 leaves.
18. *Cleistanthus* - below 1 pr. expanding, 1 pr. juvenile lvs.
19. *Lantana* - stem 6 lvs. above, 2 below
- Patia 20. *Jatropha multifida* - 4 lvs. from top

El Yungu Rock

- 15777 *Lobelia portoricensis* Urb
shrub to 5', fls red-purple, v. common
- 15778 *Talibium rigidum* HBK
shrub on tree to 18', fls rose-purple, v. common
- 15779 *Stylidium martinicense* (HBK) Benth.
shrub to 5', fls white, v. common, epiphytic
- 15780 *Gonolobus portoricensis* (HBK) A. DC.
herb, shrub to 3', fls pink & white, v. common
- 15781 *Synedrella monanthus* Kunz & A. DC.
tree to 15', fls white,

River at Montserrat

- 15782 *Hydrocotyle volubilis* L.
vine on rocks, v. common
- 15783 *Samanea spinulosa* Venth.
shrub to 8', fls white

15784

Ham. 25 W of Raymond

Coccoloba papirifolia Balf

Hampton Hill, about 12' fl. immature

15785

Dactyloctenium aegyptium

slender tree to 12' fl. green, in. Johnny. below

H. N. & Woodbury

15790 *Phaseolus* L.
var. *multilobus*, fl. cream, anglica L.

15791 *Lepidium sativum* L.
Burgess Early Green green per. seed
fl. yellow, green, brown

15792 *Cucurbita pepo* L.
butternut squash - long trailing variety
fl. yellow - orange

15793 *Cucumis sativus* L.
cucumber - fl. yellow

15794 *Albion* *sp. glaucum* ^{Bornius + not}
AA 3, 4, 61

15795 *Albion* *renescens* L. *glaucum* ^{BA 1150} AA-349-61

- | | | |
|-------|--|---------|
| 15796 | <i>Alchemilla angustifolia</i> L. | 11235-6 |
| 15797 | <i>Alchemilla auriculata</i> | 11236-0 |
| 15798 | <i>Alchemilla filiformis</i> L.
11230 | 11237 |
| 15799 | <i>Alchemilla parvifolia</i> L.
11231, 1232 | 11238 |
| 15800 | <i>Alchemilla sp.</i> Renth | 11239-6 |
| 15801 | <i>Alchemilla communis</i> Roth
11234 | 11240-9 |
| 15802 | <i>Alchemilla mollis</i> L. <i>pernigata</i> | 11241 |
| 15803 | <i>Alchemilla tibetica</i> Boissier | 11242-6 |

- 15804 *Taraxacum* *rotundifolium* Roth & Sprengel DA 35-2
- 15805 *Helianthus scaberrimus* Tenore DA 333-4
- 15806 *Helianthus scaberrimus* L. DA 333-4
- 15807 *Helianthus scaberrimus* L.
BM 1203 DA 350
- 15808 *Pachyphyllum peltatum* L.
3
- 15809 *Pyrus communis* + *Sorbus aucuparia* DA 486-50
5
- 15810 *Lilium canadense* L.
1
- 15811 *Lilium regale* Mill.
2

- 15812 *Lilium sargentiae* Wils.
1
- 15813 *Convolvulus majalis* L.
4
- 15814 *Spuria japonica* L. 'Alto mana' 589-61
3
- 15815 *Hyalanthea pubescens* L. 'Annabelle' 1355-60
3
- 15816 *Cytisus nigricans* L. 49-59
2
- 15817 *Lonicera hookerianae* Rehd. 827-61
2
- 15818
- 15819

Holts reservoir. Aug 22, 1961

plants of area exposed in dry period. along SW side
SW 1/4 22 toward - retank

15820 *Asclepias incarnata* L. v. *pubera* (Ehler) Pers.
NEBC herb on island - fls & just below purple pink
1 plant

15821 *Spergularia rubra* (L.) Presl. Caryophyll
NEBC 1 plant - prostrate island - fr.

15822 Chenopod
Herb. herb, spreading - island

15823 *Amaranthus*
Herb. red area & whole of *Polygonum* -
spreading & overhanging

15824 *Hieracium florentinum* M. Comp
NEBC single, rosette plant but a few seedlings -
fls yellow

15825 *Solidago graminifolia* (L.) Schreb. v. *multiflora* (Greenm)
NEBC herb to 3', in *Polygonum* on both island ^{Flora}

- 15826 *Amaranthus acandens* Torr.
prostrate herb. in swamps, by the bay
- 15827 *Eleocharis* Cyperaceae
grasses
climber. herb. on island
- 15828 *Eragrostis amurensis* (L.) Pers.
herb. of broken rock area - not existing as yet
3' tall, rays white, disk yellow
- 15829 *Verbena hastata* L.
herb. to 2' fls blue-purple - broken rock
area
- 15830 *Verbena hastata* L.
NEBC
fls pink-purple - to 3' - broken rock area
not existing as yet - leaves off herb
- 15831 *Polygonum sagittatum* L.
NEBC
spreading herb. edge of island fls white
- 15832 *Andropogon palustris* (L.) Ell. v. *americanus* (DC) ^{from 46 miles} _{Magoc}
prostrate herb. in wet area edge of island
rooting at water - stems reddish

D. H. & B. J. Howard Herbarium Study
Aug 22, 1961

- 15833 *Salix rigida* Muhl.
seedling on island
- 15834 *Echinocytus crum-galli* (L.) Beauv. NEBC Grass
sp. only of one stem to 2
- 15835 *Salix rigida* Muhl.
NEBC seedling - on island
- 15836 *Populus tremuloides* Michx.
seedling on island
- 15837 *Saponaria officinalis* L.
shrub stems yellow fl. white & pink. low shrub
on island
- 15838 *Theropodium ambrosioides* L.
NEBC rank aromatic shrub, on island, fls yellow
- 15839 *Panicum sylvaticum* L.
NEBC 1 spec. in undergrowth on island, fls yellow

- 15840 *Plantago rugelii* Dene
herb. on rocks - to summit & prostrate
- 15841 *Ternaria canadensis* (L.) Desmont
herb. on rocks, etc.
- 15842 *Eryngium cheiranthoides* L. Cuculit
1 large plant in middle of island & Polygones
cluster of flowering seedlings in mud edge of
island - fl. yellow
- 15843 *Desmodium autumnale* L.
NEBC
small herb fl. yellow - on rocks
- 15844 *Panicum capillare* L. NEBC Grass
- 15845 *Eupatorium dubium* Willd. NEBC
1 plant - on island - fl. & with bracts
rare
- 15846 *Juncus tenuis* Willd. NEBC
very plant on island

Aug 27, 1965 T. A. & B. J. Howard
Habitat: common & bushy

15847 *Chenopodium divaricatum* Torr. NEBC
abundant, small bushes

15848 *Eupatorium perfoliatum* L. NEBC
1 plant - 2' high, 1st inflorescence on island

15849 *Cyperus erythrorhizus* Michx. NEBC
on island

Aug 21, 1965 P.D. + C.S. - road
Hobbs, near in study. low height exposed
area - from Triangle, road end

- 15850 *Echinochloa crus-galli* (L.) Beauv. NEBC Grass
- 15851 *Eragrostis pectinacea* (Michx.) Kun NEBC Grass
- 15852 *Juncus* ^{*terrestris* Willd.} ~~*terrestris* L.~~ NEBC Juncus
- 15853 *Panicum dichotomiflorum* Michx. NEBC Grass
- 15854 *Chenopodium ambrosioides* L. NEBC Amaranthaceae
rank. herb to 2' fl. yellow to dark
green
- 15855 *Verbena hastata* L. NEBC
erect herb to 2' fl. blue-purple
- 15856 *Penthorum sedoides* L. NEBC Annual
stem crop - fl. cream or yellow - wet areas

R A + B Howard Aug 24, 1966

Habitat reservoir study - Tarpole, etc. on I

- 15857 *Polygonum punctatum* Mill. v. *punctatum*
Grassy - herb, fl. white
- 15858 *Cyrtia megastachya* (Kuhl.) Link. v. *grac*
Grass
- 15859 *Panicum sagittale* L. Grass
- 15860 *Digitaria sanguinalis* (L.) Scop. v. *grac*
Herb - *Digitaria* type
- 15861 *Lycium salicaria* L.
Scouty - 1 plant on rocks, seen must &
seen on road
- 15862 *Sorghum smithii* Gray f. *retrosum* Flamm.
- 15863 *Trichostema dichotomum* L. Scroph
Herb - full plant but only one - fl. purple
& white
- 15864 *Grapholobos uliginosum* L.
semi prostrate with woody herb - fl. yellow

- 15865 *Amaranthus hybridus* L. NEBC
 herb 4' some with 5'
- 15866 *Erigeron canadensis* L. AA
 herb 4' fls white
- 15867 *Echinochloa purpurea* (Poir) Rydb. n. *Wiegandii* Tammitt. NEBC
 spreading plants, many bran!
- 15868 *Cucumis melo* L. NEBC
 melon - herb. vine some have fls
 yellow!
- 15869 *Panicum sagittare* L. NEBC Grass
- 15870 *Solidago canadensis* L. AA
 herb 4' fls yellow
- 15871
 NEBC *Oenothera grandiflora* L.
 herb 3' fls yellow
- 15872 *Asclepias tuberosa* L.
 herb 2' fls white

Page 101 Howard

Habitat: common, rocky, low, water, woods -
Aug 21, 1965. - Triquetra Park, Ind.

15873

NEBC

Lycopersicon esculentum Mill.
Fruits - ~~red~~ yellow - on all
stems

15874

NEBC

Chenopodium album L.
herb, fls. yellow, fls. green

15875

NEBC

Erechtites hieracifolia (L.) Raf.
herb 5' tall, fls. yellow, common
fls. green

15876

Polygonum lapathifolium L.
herb, fls. white, leaf margins serrate

15877

NEBC

Artemisia vulgaris L.
Tall herb 4' fls. white, fls. yellow
below

15878

Rorippa nasturtium (L.) Barton v. *nasturtium* Brinkf.
small herb, fls. yellow. common

15879

Alisma subrotatum Raf. NEBC
herb of low water areas - fls. white

15880

NEBC

Orthocentrus cotula L.

spreading, erect rays white, hair yellow

15881

Hypericum

fls yellow

15882

Chenopodium frutescens L. var. *glaberrimum* Cernan. & G.

spreading, succulent herb, fls green

15883

Eleocharis olivacea (Walt.) Schultze

erect, dense

15883A

Eleocharis with few *hemisphaerica*

mixed with former

15884

hemisphaerica

15885

NEBC

Solidago anagallidea (Michx.) Pennell

herb, fls lavender

15886

Polygonum hydropiper L.

spreading, creeping low, fls white

D. H. L. Howard - May 28, 1948
Habitat: ... Tropical ...

15887

Cyperus
Sub ...

15888

Scyrrus smithii Gray f. *setosus* Fern. NEBC

15889

Cyperus erythrorhizos Muell. NEBC
spreading prostrate ridge of wet area

15890

Cyperus strigosus L.

15891

Cyperus erythrorhizos Muell.
spreading prostrate

15892

Polygonum persiciformis L. v. *laevigatum* Fernald
— upright plant, fl. clusters compact

15893

Epilobium glandulosum Schreb. v. *adenocaulon* (Hornem.)
fl. pale ...
Ferns

15894

Longitarsus repens Meerb.

very pale, fl orange

15895

NEBC

Polygonum scandens L.

herb. stem stems scabrous

15896

Callitriche palustris L.

NEBC

fruit forming in wettest areas

15897

Polygonum

specimens prostrate herb

15898

NEBC

Lepidolobos virginicum L.

herb fl white

15899

NEBC

Erysimum cheiranthoides L.

herb. stem herb

Chief

RA + BV Howard Dec 21, 1961

at the ...

Tropaeolum ...

15900 *Gnaphalium obtusifolium* L. var. *obtusifolium*
Shrub ...

15901 *Lycopus americanus* Muhl. Mint
NEBC, herb ...

15902 *Betula populifolia* Marsh.
seedling -

15903 *Solanum americanum* Mill.
specimen by herb ...

15904 *Digitalis sanguinalis* (L.) Scop. Grass

15905 *Potentilla norvegica* L.
NEBC, common herb, many ...

15906 *Trofolium repens* L.
herb ...

15907 *Poa annua* L. Grass
~~clump forming small~~

15908 *Antrochium artemisiifolia* L. v. *clatium* (L.) Desv.
raymond - 6' fl. yellow & green

15909 *Polygonum lapathifolium* L.
long, narrow, lower clusters per. subulate

Aug. 28 - East. mountain

15910 *Cyrtolobos angustifolium* L.
fl. yellow

15911 *Vitis labrusca* L.
red, on ground with 10' of stem, type

15912 *Asteris glauca* (L.) Beauv. NERB

15913 *Lactuca scariola* L. f. *integrifolia* (Boydton) Beck.

15914 *Poa compressa* L. NERB Grass

RH + BS Toward

Wetland, numerous specimens - along road
east Aug 28, 1961

15915 *Agrostis latifolia* Willd. ex. *tristis* (Curtis) Robinson
in white NEBC

15916 *Sergia oxyoides* (L.) Sw. NEBC
in white

15917 *Taraxacum latifolia* L. NEBC
in white

15918 *Polygonum persicaria* L.
NEBC in exposed areas of small stream

15919 *Trisetum farfense* L.
NEBC in white

15920 *Fimbristylis autumnalis* (L.) R+S. NEBC
in white

15921 *Stollia verticillata* L.
NEBC in wet areas - fls in white

15922

NEBC

Portulaca oleracea L.

specimens -

15923

NEBC

Galium aparine L.

specimens -

15924

NEBC

Trifolium pratense L.

specimens -

15925

Carex scoparia Schreb.

NEBC

15926

NEBC

Cerastium vulgatum L.

specimens -

15927

Trifolium arvense L.

specimens -

15928

NEBC

Hypericum magnum (Gray) Benth

specimens -

15929

NEBC

Galium trifidum L.

1 plant observed!

- 15930 *Silene acaulis* L.
annual - fl. white
- 15931 *Capsicum frutescens* L. var. *grossum* Bailey
green bell pepper - fruit
- 15932 *Brassica oleracea* L. var. *italica* Plenck
Broccoli - stem purple - leaf pale
yellow
- 15933 *Phaseolus vulgaris* L. var. *humilis* Alf
green bean - fl. pink-purple & white
- 15934 *Cucurbita pepo* L.
5 *Peperoni* - fruit yellow
fruit tan - vine
- 15935 *Cucurbita pepo* L. var. *melopepo* Alef.
summer squash - fruit yellow - fruit type
- 15936 *Zea mays* L.
6 Corn - 7' stem red-brown

15937

Solanum melongena L. var. *proculentum* Nees
egg plant - fruit blue

1

15938

Cucurbita pepo L. var. *vesiculosa* Alef.
squash - fruit yellow

3

15939

Lactuca sativa L. var. *crispata* L.
lettuce - fr. yellow

5

15940

Raphanus sativus L.
rad. rootstock - fr. white

4

15941

Raphanus sativus L.
white rootstock - fr. white

5

15942

Brassica rapa L.
turnip - fr. yellow

3

Cocac River - 9/22

15943

Eyperurus giganteus Vahl.

Plant - stem to 10', base black - edge of
river - from 2.8 to Loja at 9

Dryanaceae *ternata* (L.) Meyer

Open scrubby, plant edge of mangrove
swamp - fl. pale, bracts, fl. green
Woody in alt.

Terminalia catappa L.

In M. n. on edge of mangrove
as above, fl. yellowish

15946

Sagittaria racemosa (L.) Gaertn.

In edge of mangrove, fl. cream - stem
green.

9/23

Went down to beach - Hotel Congueta

15947

Acacia pennasonia (L.) Wieg. & Griseb.

Tree of 15' - wide spreading, fl. yellow
spines white.

15918

Dendroica ...
in Cordia on bank, fls yellow-green turning
purple

15919

Centropogon ...
small round branched shrub fls black when
mature

15920

Chorizanthe ...
in *Bomarea* succulenta on trail low -
fls white when mature!

15951

Andropogon ...
tree 25', fls purple flowers - to dark green
br.

15952

Polygala ...
with costus -

15953

Costus macrostrobilus K. Schum.

2

9/24/65

Cult. at Matsumi

15954 *Leuca procurrens* Clark?

15955 *Satrophea multifida* L.

9/25/65 vouchers for 2 counts
West Peak Trail

15956 *Ardisia ~~strata~~ purpurella* (Ritz) Allen
Erec of 15', fls. white, with red

15957 *Ceanothus americanus* W. & A.
small like shrub to 5', fls. yellow-green, to common
lighter below

15958 *Gonolobus pentameris* (Walt.) S. Wats.
epiphyte, semi climbing, fls. yellowish white
young foliage red-yellow

15959

Wallenia yongpensis (Rox.) Lam
small like shrub, fl. pale lavender, stems
purple, long style form

15960

Mecranium amygdalinum (Rox.) W
low under story shrub, fl. on old wood, yellow

15961

^{Japan}
Fraxinaria altopunctata (Rox.) W
small shrub, fl. few, short pedicelled
calyx green, corolla yellowish white

15962

Torrebasia sinensis (W.) H. B.
small shrub, slender fruit branches, fl. white
few.

15963

Psychotria guatemalensis (DC) Howard
sprawling, stems red, fl. white, fr. black!

15964

Gramscadenia sinensis (H. B.) V. G.
small shrub 4', fl. white

15965

Sty. sinensis
shrub 8', fl. white, young leaves green

km. 20

15966

Meliosma obtusifolia K. & U.

BANK TREE 25', dbh 12", fl white, fr black

km 21.8

15967

Dicymopanax marototom (Aubl.) DC. & Pl.
Tree 25', dbh 10", fl. imm., fr green-purple

15968

Clusia grandifolia (Pl. & Trans) Ait.
East Peak voucher for X-ray

Plants of Transcut Line West Peak 10/1/65

15969

Carex patylocha Sw.
terrestrial

15970

Scleria acuminata
climbing old forests

15971

Pilea Musgravei W. & A.
stems epiphytic

15972

Trechosporus crispus K.
epiphytic

Hymenophyllum

- 15973 *Miconia forcolata* Cogn. ~~W.~~
 shrub, fr. pale lavender, pedicels & pedicels red
- 15974 *Stethonema Justicia verticillata* HBK
 shrub, terrestrial
- 15975 *Pilea guineensis* (Lam.) B. & W.
 terrestrial, to pubescent soft
- 15976 *Bomacalyx portoricensis* (Lam.) Sw.
 epiphytic shrub
- 15977 *Syngonium sericeum* L.
 terrestrial
- 15978 *Lobelia portoricensis* (Vahl) HBK
 herb to 4' fls brown-purple. - voucher for Yount
- 15979 *Miconia psathylophylla* Cogn.
 shrub
- 15980 *Wallenia*
 under shrub, next to it top fls large

West Peak Trail - 10/1/61

- 15981 *Trichomanes rigidum* Sw. Hymenophyll
terrestrial
- 15982 *Microphyllia ~~garciniifolia~~ garciniifolia* Presl
tree trunk
- 15983 *Steynia ~~intertexta~~* (Walt.) Britton
shrub 8', to bright green, sterile
- 15984 *Ternstroemia ~~cuneifolia~~* (Walt.) Urb.
rusty trunk, branches purplish
- 15985 *Sphaerogramme*
terrestrial
- 15986 (*Blattariapteris*) *Blechnum ~~lineatum~~* (Sw.) C. Chr.
terrestrial demographic, small trunk
- 15987 *Mohraria ~~fragilis~~ pachyphylla* Urb.
herb vine trunk
- 15988 *Isachne ~~argenteifolia~~* Nash
terrestrial on open area

- 15989 *Psychotria Eugenia* Bur. & G. & Benth.
stems - common tree
- 15990 *Calycomma squarulosum* Bur.
common tree stems
- 15991 *Diplazium montanum* (Sw.) Presl & Hieron. *Orchid*
stems - epiphyte on terrestrial
- 15992 *Alpinia Pinalis* (L.) Merr. & Rolfe
4' - fr. red turning black, bracts red
- 15993 *Hormenomonis racemosa* Vahl
epiphytic vine
- 15994 *Psychotria berteriana*
small plant 4' stems
- 15995 *Hedyosmum carbonaceum* Sw.
young plants - stems
- 15996 *Eleocharis yunguensis* Benth.
along trail - terrestrial

West Peak Trail plants 10/1/65

- 15997 *Diplazium centropetalum* (Baker) Maxon
small tree fern - gully at descent
- 15998 *Ocotea spatulata* Wieg.
common tree a few in fruit in Sept - the stems
- 15999 *Calyptranthes Kennerlyi* K. Schum.
small shrub 8' 2' for mostly
- 16000 *Miconia*, *retiflora* Torr. & G. Don
stems mature & juvenile leaves -
- 16001 *Synedrella* sp.
small tree - stems
- 16002 *Talea rigida* HBK.
tree - common fls pink - just beginning
- 16003 *Sporobolus repens*
vine in tree - stems - but in fl. November
- 16004 *Cyathea pubescens*
small epiphytic fern

- 16005 *Rejania* *caudata*
 vine - stems
- 16006 *Sclagmulla* *Moenchii* L.
 Truncated + epiphytic
- 16007 *Polygodium* *longicaule* L.
 erect climber, gran rhizome
- 16008 *Polygodium* *obovatum* Maxon
 epiphytic
- 16009 *Cochlospermum* *minus* (Jenman) Maxon
 epiphytic
- 16010 *Trichomanes* *crispum* L. Hymenophyll
 epiphytic
- 16011 *Polygodium* *stenium* Kuhn
 epiphytic
- 16012 *Vicia* *sentenaria*
 epiphytic in the crypt

16000 - 16010 - Oct. 1911

16013 *Phoradendron hexactinum* ^{W. S. Barrett}
parasitic on *Distandra* fr. white

West Peak Trail 10/11/11

16014 *Cyathea puberula*
specimen for chemist analysis

16015 *Struthiopteris Blechnum exaltatum*
small tree fern in open

16016

epiphyte

16017

Pilea

epiphyte shrub

16018

Marsippospermum

herbaceous

16019

Lonicera *Lonicera* *salicifolia* var. *glaberrima*
small tree fern near tower 10/11/11

16020 *Polygala tenuifolia*
serpyllifolia

16021 *Hymenophyllum macrothecum* *Hymenophyllum*
serpyllifolia

16021 A - *Hymenophyllum lineare*



Terre Mt. Georgia

16022 *Polypodium subtile* Horne
coll. from plant.

16023 *Deschampsia striata* (Jack) Horne
spec. from Carita - fr. var. subtile

Sept. 12, 1965

Holla Pecunia Winton St. where it touches
on N. side Waltham

16024 *Scirpus validus* Vahl. var. *crispus* Fern. ^{NEBC} *Cyperus*
Stomphodes sedge mostly sterile

16025 *Eupatorium chinanthoides* L. *Cyperus*
fls yellow

16026 *Gratiola aurea* Muhl. *Scirpus*
prostrate to semi-erect herb, fls ~~white~~ yellow

16027 *Eupatorium dubium* Willd. *Cyperus*
fls rose

no number - mostly of *Verbascum* - sterile young
plants

16028 *Poa annua* L.
clump grass

16029 *Trichostema dichotomum* L. *Scirpus*

- 16030 *Bouteloua pilosa* L.
Stem to 4' fls. yellow
- 16031 *Scleriuma subscandens* L.
succulent + woody, fls. purple, fr. red
- 16032 *Spizaea tomentosa* L.
stems succulij. to 6' tall below
- 16033 *Rhynchospora glabra* L.
succulij. to 6"
- 16034 *Eragrostis pectinacea* (Michx.) Nees NEBC
Grass
- 16035 *Prospalteria tremuloides* Michx.
succulij. in row at edge of forest, high water
- 16036 *Eleusine indica* (L.) Gaertn. NEBC
rosette grass
- 16037 *Panicum lanuginosum* Ell. v. *implicatum* (Scribn.) Nees
grass
- 16038 *Cyperus follicularis* Vahl v. *maculatus* Flamm. NEBC
sedge
- 16039 *Taraxacum officinale* Weber

Huamacaon Playa

- 16040 *Asterum*
shrub of 10'; fls white, petals tightly recurved
stamens with flag, anthers
- 16041 *Syca*
shrub to 3'; fls axillary, ls opposite
condute at base, shiny
- 16042 *Syca*
shrub of 8'; fls clusters large
- 16043 *Mussaenda*
shrub to 10'; bracts cream-yellow, fls canopy yellow
- 16044 *Pogonopus*
shrub of 12'; bracts crimson red, corolla red-purple
- 16045 *Clerodendron*
vine, stem purple, leaves rugose, calyx maroon
or lilac, corolla red

16046

Baobabias

tree creaking & pendent branches, fls. clear white
except for yellow-green center to upper petal
& stamens

Fronds of *Trinitatis* next on tree

Nov. on Oct. 191 ~~from Florida~~

16047

Polypodium lycopodioides L.
rope like, upright, hanging

16048

Polypodium piloselloides L.
above & tightly appressed to mat

ok Tray

16049

Polypodium natum (Mooze) Soderstr
rust upright fronds on top of mat

ok Tray

16

Polypodium virginianum Turpin present too
at Toro Trail

16050

Raphanoxis philippiana King & Mett.
shrub of ?; fls. bright green, fls. cream!

El. Toro Trail

16051 *Hedyosmum arboreum*
Shrub of ♂, young protuberant flowers.

16052 *Hedisa parviflora* Jacq.
Long style fused stamens from, epiphytic vine

16053 *Hedisa parviflora* Jacq.
shrub style stalk stamens from, epiphytic
bracts concolorate, calyx lobes 2-5 in fruit
both from wet forest.
both from grassy off road at 7 PM
fused stamens type usually shows persistent barium in
another mass of thick of corolla as described.

Wet Park

16054 *Prestea montana* (Crab.) Nicolson
Palm seedlings

16055 *Tachominia rigidum* Sw. El. Toro
voucher for X count plus material to
R. I.

16056 seedlings of ~~the~~ *Eugenia bromyloides*

16057

Aechmea

on tree trunk

16058

Wurmannia racemosa Vahl
 on tree trunk - bracts green, anthers yellow
 slender

16059

Gonolobus portoricensis (Lam.) Small
 climbing vine - fls. white & pink, young to
 rose-red, fr. white

16060

Arctostaphylos ~~peruviana~~ *peruviana* (Poir.) Ait.
 tree 9' fls. yellow - on tree

16061

El Yunque 1/18
Wurmannia pinnata L.
 tree 12' fls. bracts, on tree

16062

Podocarpus coriaceus L. & R.
 tree 6' fls. green & black

16063

Fajardo - Caguas Road

myst. fls. red - 1000ft

16063A - *Opuntia dillenii*

Woodland R.A.

10064

Claytonia virginiana (W) Christ
epiphyte - No photo present

OK Taylor

1/20

Marcgravia rectiflora - few fls in bloom -
lots of buds & young fruits

visited by wasps & Bananae quirt -
bird sits on middle row flowers & tips up seeds
down to get nectar - seen at 11 AM & at 4 PM

wasp clings legs over stamens & some break
off - stops on pistil of fl. with fallen
stamens

hovering fly or bee (not honey) visits
flowers only - stamens at another end - seen
in gathering patches

wasps make many visits to nectaries - spend
much time on outside or inside

swift & branch territory of open andis -
he catches insects that visit open fls -
even grabbing them at mouth of nectary -
often visits in middle of inflorescence -
leaves wasps alone -

wasp visits fl. which has but stamens - walks all
along just in - nectar. - what is purpose of
receptivity?

1/22

West Peak trail

612 Tang

16065

Blazennella portoricensis sub *strepitata* Spring.
moist habitat, open soil area end of trail

16066

Polygodium ~~chrooceras~~ Spring *horvicianum* h.
epiphytic, rhizome green,

16067

Polygodium ~~horvicianum~~ h. *chrooceras* Spring.
epiphytic rhizome hairy, fronds soft, pubescent

16068

lichen - blue gray color

16069

(*Struthiopteris lineata*) *Blechnum lineatum* (Sw.) C. Chr.
commonest fern - clump fern, black fern Tang

16070

~~*Blechnum*~~ *undulociliatum* (Broadb.) C. Chr.
~~*Struthiopteris undulociliata* (Sw.) C. Chr.~~ (*Blechnum ekmanii* Bonnier)
climbing

16071

Cecilia apothekata Mez
small ferns

16072

Cecilia apothekata Mez
on SW corner of shelter, X count voucher

West Peak trail 1/22

- 16073 *Hymenophyllum ~~macrosporum~~ macrothecum* Fee
epiphyte, O.K. Tray
- 16074 *Struthiopteris exaltata* (Sw.) Broadb.
terrestrial fern
- 16075 *Dryopteris ~~contorta~~ strictum* (L.) Presl
~~(Sw.) Maxon~~
terrestrial
- 16076 *Dryopteris ~~contorta~~ Thunbergii* (Hornem.) Hieron.
terrestrial, O.K. Tray
- 16077 *Habenaria patens* (Sw.) Munz.
grass along trail - open areas
- 16078 *Asplenium marginatum*
epiphyte on mossy logs of trees
- 16079 *Pteris montana* (R. Griseb.) Nicolson.
petiole to 30', fls. white, fr. black
- 16080
orchid

Weston Mass 3/2/66

- 16081 *Santania monticola* Bigg.
basket plant, fls red-lavender
- 16082 *Bowiea volubilis* Harvey
green bulb on surface, stem succulent,
fls green
- 16083 *Trachycarpha chlorophylla* Melchr.
straggling basket - fls pink purple & white
- Hotel Marinoneta
- 16084 *Colocasia plumbea* Kar & Hillebr.
cut

Weston 6/20/66

- 16085 *Allium altissimum*
grown from seed 964-65 - from Missouri Bot. Gard.
fl. white
- 16086 *Allium obliquum*
grown from seed 181-65 from Missouri Bot Gard
fl. yellow
- 16087 *Allium Nuttallianum*
grown from seed 854-65 from Missouri Bot
Gard.
fl. rose purple
- 16088 *Doronicum p*
herb with rhizomes producing enlarged areas
to 2' tall, fl. stem yellow. - Perennial garden
spreading in shade of hemlocks.
- 16089 *Calycanthus floridus* L.
shrub to 4'; fl. red-brown, very aromatic
private garden 6/4/66
- 16090 *Calycanthus floridus* L. var. *laevigatus* (Willd.) T & G
(3) 3' shrub, showy flowering fl. deep red. brown
aromatic, to thick. RA 805-57 from Henry, Valley
Print Mfg. Co.

16691

Salix alba 'Tristis'

T. Morley - 574 Custer Ave St. Paul.

16692

Salix alba 'Tristis'T. Morley - tree in St. Camillus College
grounds.

16693

Lonicera morrowii

sent from U. Minn. Arb. for identification

16694

Lonicera tartarica 'Cardinal'AA 96-61 - shrub of 5', fls deep red inside
but pale pink outside & on edges of corolla lobes
from Elmfield Nurseries Fremont Neb.

16695

Lonicera chrysantha Turez.AA 358-62 low shrub to 3' fls. white
turning yellow-orange young stems reddish
to soft part. - received from Morton Arb. as
L. turgida

16696

Lonicera morrowii A. Gray

AA 1232-53 shrub coll.

- 16097 *Toncia Morolkowii* Stapf var *aurora* Kuhn
1
AA 20444
- 16098 *Toncia tartarica* L.
✓
Smith AA-
- 16099 *Toncia Morolkowii* Stapf
✓
AA 10083
- 16100 *Toncia xylosteum* L.
AA 15148-A

S.P. South Street tract

- 16101 *Chelidonium majus* L. v. *oleiflorum* Lessert
7
weed below 300 South Street - S.P.
flowers yellow, petals & stamens numerous.
- 16102 *Toncia xylosteum*
1
T. Morley - from Mall in front of Coffey Hall
St. Paul Baynes Morris

16103 *Kalimeris amabilis* Griseb.
March 14! Weston Center 6/4/

16104 *Achyrocline satureioides*
sent by Monkey

16105 *Lonicera*
sent by Monkey from U. of Miami campus
as *L. hookerioides* "Jabelin"

Florida

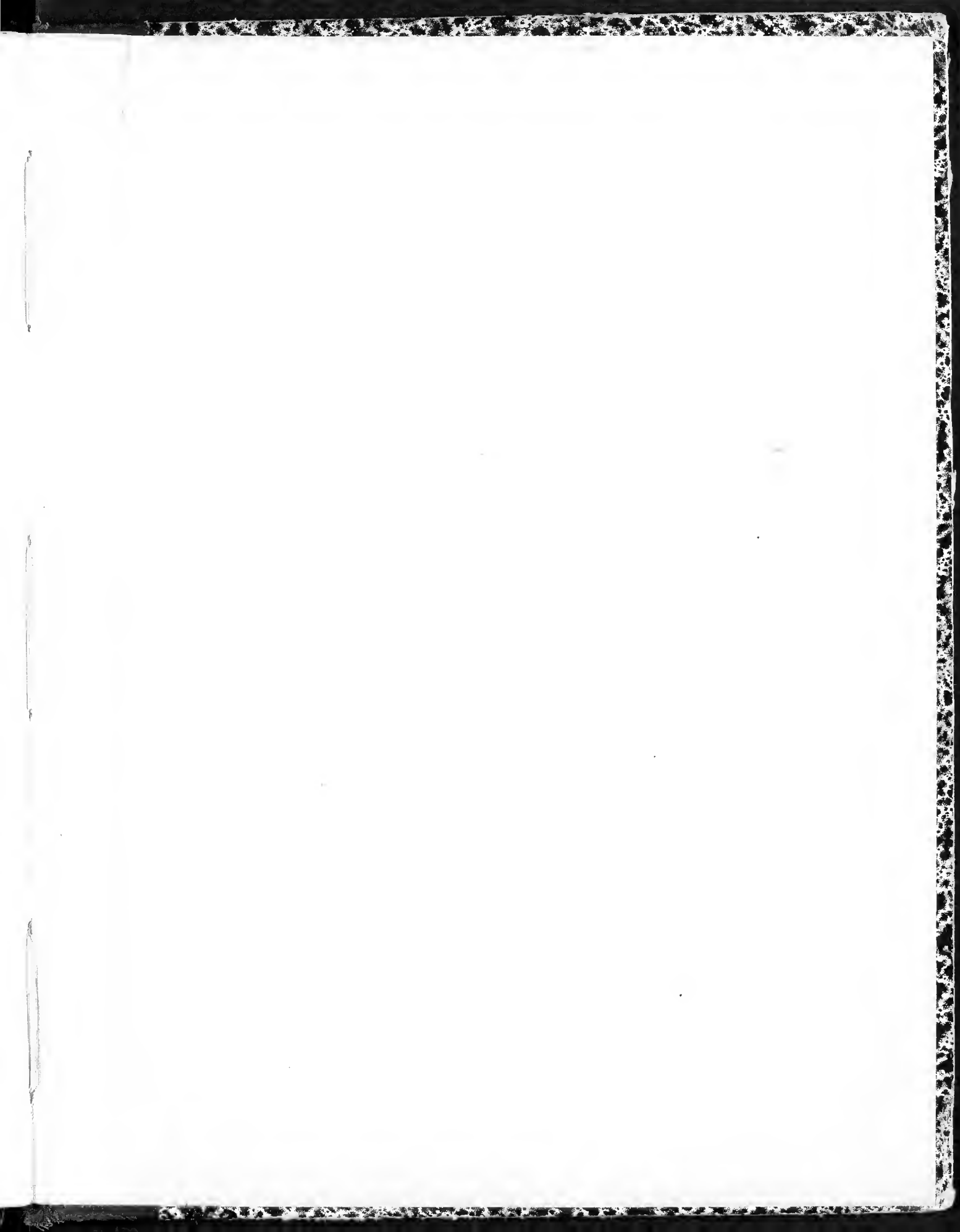
16106 *Phlebotanion cowellii* Britton
Coconut Grove 3/25/66

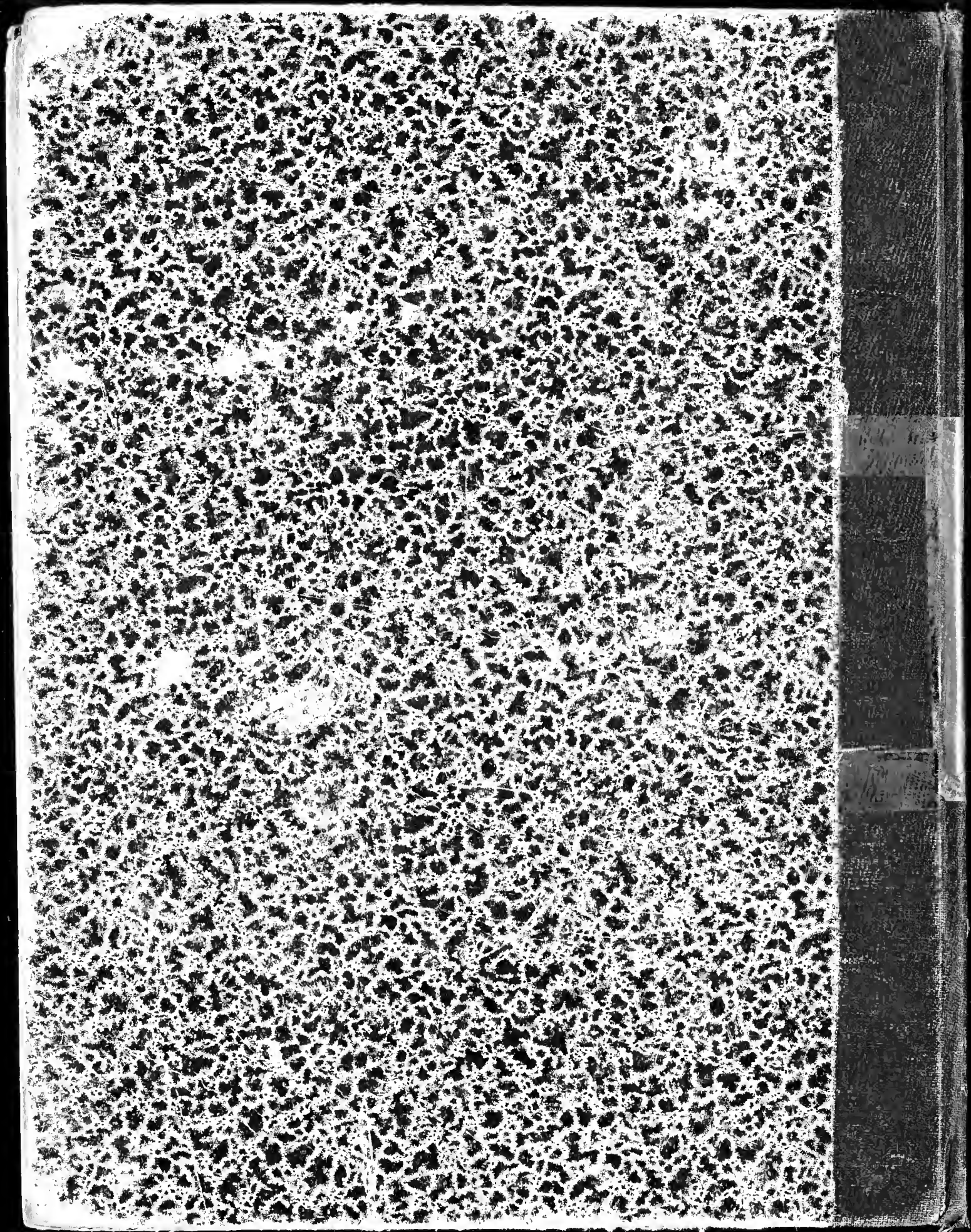
16107 *Stereosia triglochin* Sacc
FTG. 3/25/66

16108 *Nyssa sylvatica* Marshall
sent for determination by Millard Nuss.
Middletown Conn









2/7/66

For Dr. Howard:-

Dick:-

Could you lay your hands
on the "Hobbs Brook" monocot's
which I have identified?

Of course, I would very much
like to pull out the

Eleocharis obtusa

(your # 15883)

for immediate mounting, but
after asking your daughter (or you)
about some additional plants which
were in the same folder &
apparently dug up with the
15883.

.RJS.

Howard and Draper Puerto Rico

- 15677 *Ocotea leucoxylon* (Sw.) Maza
- 15678 *Psychotria maleolens* Urban
- 15679 *Ilex sintenisii* (Urban) Britton
- 15680 *Psychotria maleolens* Urban
- 15681 *Micropholis garcinifolia* Pierre
- 15682
- 15683
- 15684
- 15685
- 15686 *Hippocratea volubilis* L.
- 15687
- 15688 *Triplaris caracasana* Cham.
- 15689 *Bauhinia variegata* L.
- 15690 *Symplocos micrantha* Krug & Urban
- 15691 *Ternstroemia subsessilis* (Britton) Kobuski
- 15692
- 15693
- 15694
- 15695 *Mikania fragilis* Urban
- 15696 *Lasianthus moralesii* (Griseb.) Wr.

JOHN RYTHEN

Ketchum - Organize

Lanmont Cole - Cornell

Irving Olsen - Cambridge

Whittaker - Brook Haven

Send a description -

Send sketches

Bonding contract

Series of meetings

Conyers

ARNOLD ARBORETUM, HARVARD UNIVERSITY

Plants of St. Croix

Chrysophyllum pauciflorum Lam.

Small tree in dry woodland, north slope
of Mt. Eagle, St. Croix.

R. A. Howard 15262

Jan. 19, 1961

ARNOLD ARBORETUM, HARVARD UNIVERSITY

Plants of St. Croix

Coccoloba diversifolia Jacq.

Roadside tree to 15' tall.
Anna's Hope, St. Croix.

R.A. Howard 15298

Jan. 18, 1961

ARNOLD ARBORETUM, HARVARD UNIVERSITY

Plants of St. Croix

Tree 20' tall; Salt River area,
St. Croix.

R.A. Howard 15291

Jan. 19, 1961

ARNOLD ARBORETUM, HARVARD UNIVERSITY

Plants of St. Croix

Coccoloba microstachys Willd.

Small tree to 10'; Belleview, Estate,
St. Croix.

R.A. Howard 15279

Jan. 19, 1961

ARNOLD ARBORETUM, HARVARD UNIVERSITY

Plants of St. Croix

Coccoloba microstachys Willd.

Small tree to 8'; dry woodlands, north slope of Mt. Eagle, St. Croix.

R.A. Howard 15269

Jan. 19, 196~~8~~

ARNOLD ARBORETUM, HARVARD UNIVERSITY

Plants of St. Croix

Coccoloba venosa L.

Small tree, 12' tall; dry woodland,
north slope of Mt. Eagle, St. Croix.

R.A. Howard 15268

Jan. 19, 1961

ARNOLD ARBORETUM, HARVARD UNIVERSITY

Plants of St. Croix

Dry woodland, north slope of
Mt. Eagle, St. Croix.

R. A. Howard 15265

Jan. 19, 1961

PLANTS OF THE WEST INDIES
Puerto Rico

Terrestrial fern, along La Mina Falls trail
in deep woods, Luquillo National Forest.

No. 15569

April 1-6, 1963

R. A. Howard and E. Barrett, H. Cohen, E. Howard,
H. Putnam, D. Seligson, D. Turner, A. Wardle and C. Weber

PLANTS OF THE WEST INDIES
Puerto Rico

Herb persisting in old cultivated hillside garden, 3' tall; corolla purple, stamens bright yellow; fruit yellow. Below km. 22.2 on Palmer to Florida road.

No. 15592

April 1-6, 1963

R.A. Howard and E. Barrett, H. Cohen, E. Howard,
H. Putnam, D. Seligson, D. Turner, A. Wardle and C. Weber

ARNOLD ARBORETUM, HARVARD UNIVERSITY

Plants of Puerto Rico

Hillia parasitica

Epiphytic vine; short style, sterile stamen flower; buds convolute, calyx lobes 2-5 in fruit. Odor given off at 7PM. Fruit set. On El Toro trail off route 191 on south side of Luquillo Mts.

R.A. Howard 16053

Jan. 11-23, 1966

ARNOLD ARBORETUM, HARVARD UNIVERSITY

Plants of Puerto Rico

Epiphytic vine; short style, sterile stamen flower; buds convolute, calyx lobes 2-5 in fruit. Odor given off at 7 P.M. Fruit set. On El Toro trail off route 191 on south side of Luquillo Mts.

R. A. Howard No. 16053 Jan. 11-23, 1966