

RECORD

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# Tarascan

## Cerro Tancitaro

Uruapan	427
Apatzingo	482
Tancitaro	510
Chipsanzingo	298
San Juan	365
Est. Hidalgo	649
Zimapan	758
Jacala	803

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### Soils

Chichen Itza	1. Monophylla-limestone
Amal	2. Volcanic
Kabal	3. Granitic-clay
	4. Volcanic
	5. Granitic-clay
	6. Granitic-clay

---

865 mi Tamayachale

184 mi Lerarez

342 mi Saltillo

Mex. \$

12	Wooden spoons	8.00.
1	wooden bowl 2 spoons	20.00
1	blouse + apron	18.00
2	Alt	9.00
1	disk	2.00
1/2 lb	Temascaltepec coffee	6.00

rebosa }  
 ashtray }  
 figure }  
 skirt }  
 dress }

	77.00
	12.
	<hr/>
12.	140.00
	12
	<hr/>
	20

Chess set \$64.  
 Salt + wooden bowls 11.

12 July 1966 Pima Canton  
Co., Arizona

Job & Hilmet Abbas al Amir

- 36003 *Parkinsonia*  
4 *Simmondsia*  
5 ? shrub, fls copper-white  
6 *Mimosa*  
7 *Prosopis*  
8 *Fouquieria*  
9 Green leafless parasite on  
leguminous trees.

~~36006~~

14 July 1966 between Santa  
Ana & Hermosillo <sup>4 pm</sup> <sup>N Hermosillo</sup> 250 m alt.

- 36010 *Fouquieria* in fruit.  
" with papery bark.

Sonora

37 mi S. of Hermosillo

- 36012 Tree 103 m fr. red  
13 shrub of 1 m fl yellowish  
green.

58 mi SE of Culiacan

Sinaloa

- 36014 *Gutierrezia* Tree 2 m fl white  
15 *Euphorbia* upright leafless  
herb.  
16 *Viniflora* cary.  
yellow (Cactus)

*Pereskia*



16 July

hds 30 m east of  
Mayatlan Mexico

26017 Tree 2 m with pink flowers.  
16 July moist mountain canyon 32 m  
east of Mayatlan.

Sinaloa

26018 < *Begonia*. flowers white.  
young leaves spotted, stems  
usually red. No mature  
fruit. <sup>tuberous</sup>

16 July Wet humid  
canyon 40 m E. of Mayatlan

> 26019 *Begonia* fls white stems  
apricot red

> 020 *Begonia* leaves & stems  
red: probably tuberous.

> 021 *Begonia* upright sterile,  
tuberous?

> 022 *Begonia* Leaves pubescent  
above. sterile.

> 023 *Begonia*. Rhizomatous  
60 km east of Mayatlan  
near falls among rock near <sup>Palmito</sup>

> 024 *Begonia* leaves white below  
025 " " red bed

Sinaloa

one over 5' tall in  
stem

Durango

1 mi. east of Palmito

16 July

- 36026 Begonia tuberos leaves red
- 36027 miniature Begonia
- 7 Tuberos - pubescent above & below on leaves

17 July 1966

In canyon 20 mi S of Durango

- 36028 Mint flowers coral-salmon in color.
- 36029 Lily white flowers
- 36030 Dichondra

Zapalitan

~~210~~ 34 miles N of Guadalupe at rim of moist canyon

- 36031 Begonia Stems & lower surfaces of leaves pilose

18 July

75 mi S of Guadalupe

~~36032~~ in moist canyon

- 36032 Moraceae
- 33 Cuphea?

~~Zapalitan~~

(miles)  
27132

19 July

15 mi SW Zapolitec on  
moist mountainside

36034

*Begonia* fls white, tuberos.  
leaves pilose above + below

*Bolivia*

21 mile NE of Tamazunchale

in shady humid pine forest

36035

*B. gracilis*

7. 36

*Begonia* flowers pink, leaves  
white below.

23 mi NE of Tamazunchale

in shady pine forest, clay soil

36037

leaves red below

38

leaves rotund Umbellifer.

19 July

*Mexico*

10 mi to Tamazunchale in

open valley with *B. gracilis*

36039

*Piper*

36040

22 mi E Zonora in

deep leaf mold of Canyon.

Leaves deep red below, mottled

silver + red above. Rare

Tuber very elongate & tender.

36041



3 miles south  
of Carapan

20 Jul 66

36042 red stem, red  
undersides - no  
spotting - dark green  
w/ deep red along veins

36045

B gracilis -

36043 white spots upper surface  
small pointed leaf

36044 - white underside  
of leaf Pink flower

5 miles south of Carapan  
in volcanic soil

36046 - Pine oak forest  
Begonia gracilis

5 mi

36047 - Fern

36048 - Fern

11 miles south <sup>open</sup> Pine oak - Carapan

36049 B gracilis ?

36050 Polypodium

36051 mint (1 m tall)

36052 Heliotropium ?

36053

36054 fern

36055 fern

36056 herb w/ white  
flowers

Michoacan

over

20 July

36057 Prunella

36058 Hydrophyllum

In deep narrow dirt-walled canyon in deep shade 12 mi S of Coropan

36059 (Bog. same as 36049)

~~60 flowers scarlet-orange~~

Muhlenberg

Open Oak-Pine woodland

12 mi S of Coropan

36060 Cuphea? flowers scarlet orange

61 Lupinus

- sandy cliff Pine oak

17 mi S of Coropan  
36062 Utricularia?

15m  
sandy  
cliff-moss

→ 36063 small  
leaf (red vein) white flowers  
on leaf top serrate margin

open sunny upland

36064 Specularia

Deep steep bank - sandy canyon

36065 B. gracilis flowers

20 July 1966

17 mi. se. of Carapan, ~~open up~~

36066 open woodland, Aquilegia.

36087 Epiphytic fern

36088 Epiphytic fern.

21 July 1966

Side of volcanic mountain  
2 km N of Uruapan, Pin forest  
area

36079 Peziza Helvella - Morchella  
"like".

36080 Scyrrinchium with yellow  
flowers.

81 Fuchsia fls red. shrub  
2 m tall.

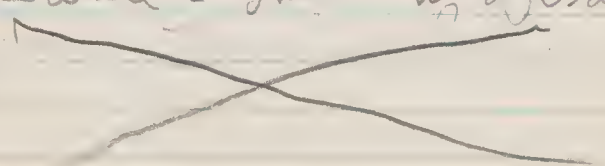
82 Epiphytic fern.

12 miles NW of Uruapan

36083 Begonia white wood  
volcanic ash (dust) side

36084 B. gracilis  
stone wall - 2 mi W of Uruapan

Michoacan



22 Jul 66

3 mi west of Umapai  
in Pine Forest cañons

36085 *B. gracilis* w/  
silice leaves

2 mi west of Umapai in  
Pine Forest cañons

7 lbs. then ?

Mexico

36088 fern

36089 fern

36090 *B. gracilis* (flower)

6 mi south of Umapai  
in red volcanic soil

36091 mallow ?

36092 *Vallerandia* ?

36093 *Crotophea* ?

36094 *Eryngium*

22 Jul 66

8 miles south of Urucapan  
canyon - volcanic soil

36095 Fern

36096 Bromeliad in fruit

17 miles south of U. of G. T. T.  
open grassland

36097 Martynia

Face of cliff in deep river canyon

6 mi north of San Mateo Italis at Puente Marques

36098 B. monophylla ?

Barren area by river 4 mi  
east of Apatzingan

23 July 1966

36099 flowers orange

36100 flowers white

shaded canyon by lake  
19 mi NE of Cautin Cameros

36101 flowers white

shady <sup>steep</sup> mountainside in rich  
sandy soil 35 miles northeast of  
Cautin Cameros!

36102 Begonia

Mucron



23 Jul 66

cont'd

7 mi NE of Cuatro Caminos

36103 Begonia

39 mi NW of Quatro Caminos

36104 Calochortus

36105 fern

36106 lily

Deep clay canyon in pine woods on mountaintop

36107 leaves white downy below flowers white. In pine woods

12 mi south of Patzcuaro Pine oak forest canyon

36108 Dioscorea

36109 fern

24 July Small canyons in hills across lake from Patzcuaro

36110 Widespread but not abundant

36111 " " " "

Michoacan

25 July

12 mi east of Moralia in  
clay & shale

36112 Begonia

3 Fern

4 Fern.

Cañon de la Caída del Salto

20 Km east of Moralia

36115 Begonia gracilis

52 mi E of Moralia on  
mountain side

36116 - Begonia

28 July 1966 (~~28 July~~)

~~36117~~ Riverbank well below  
highway 12 mi S of  
Charavaca, Moralia

36117 Commelia fls blue.

36118 Apocynaceae fls yellow  
shrub to 1 m.

36119 tree of 3 m with white  
flowers.

36120 Shrub of 2 m with green  
fruit & red axil

36121 Polygonum? fls blue

Moralia

Andrés

28 Jul

14 miles N of Taxco  
on limestone cliff  
just east of Huajintlan

36122 *B. monophila*

3 mi north of Cuernavaca-  
Taxco road on road to  
Setopan

36123 *Ruellia*

36124 *Aristolochia*

Limestone cliffs 4 1/2 mi  
west of Cuernavaca-  
Taxco road on Setopan  
road, Palm mixed forest

36125

Limestone outcrop  
near spring 2 mi south  
of Toluca cutoff on Cuernavaca-  
Taxco road

36126 *B. monophila*

Guerrero

28 Jul

Falls 4 mi. N of Taxco

36127

36128

Moist ravine 2 mi N Taxco

36129 - Tubers long  
& slender

1 mile S. of Taxco along  
wall of shallow canyon  
in shale

36130 *Polygonum*

36131 Shrub of 2 m corolla  
lavender & calyx red,

5 mi S of Taxco in mountain  
canyon, woody

36132 Shrub 2 m with  
pink flowers.

25 miles N of Chilpancingo  
on limestone cliff

36133 *B monophila*

29 Jul 66  
20 mi S of Chilpancingo  
in narrow canyon of river

36134 B.

36135 Fern

36136 Coccolobus?

Quercus

23 mi south of Chilpancingo  
on Rocky slopes

36137 Herb. w/ white  
flowers red throat.

36138 Begonia *tetraselys*

36139 " *unifoliata* no specimen

37 miles N of Acapulco

36140 Fern in rocks

36141 Beg. fls yellowish  
white; in rocks on  
dry soil; (The same  
also found on limestone  
cliff)



shaded cañon in cliff  
55 mi N of Acapulco

36142

growing on limestone rocks in river  
40 mi N of Acapulco

36143

Thick shrubbery 55 mi N of  
Acapulco.

36144 cactus vine.

30 July 1966

18 mi N of Chilpancingo  
on limestone cliff 10

36145 Solanella

36146

10

25 mi north of Chilpancingo  
B1 monophyllon on <sup>thin</sup> stone  
cliff.

1 mi N of Ixtapan

36147

Guerrero

Mexico

30 Jul 66

7 mi NE of Toluca, <sup>shady</sup> in ravine  
near river

36148 Begonia

36149 ~~Bomeliad~~ w  
orange red bracts

31 Jul 66

subalpine <sup>pine forest</sup> - 12 mi SW  
of Toluca

36150 Boraginaceae <sup>uncate</sup>

36151 Pentstemon

36152 Mint

36153 Geranium

36154 ?

36155 Creosote with  
deep purple flowers.

Steep hillsides, sandy  
clay soil, pine-bark forest  
12 mi NE of Toluca

36156

36151

31 Jul 66

Canyon 1 1/2 mi NE of Temascaltepec

36157

Pin oak  
white oak

broodleaf <sup>part</sup> moist deep canyon in  
1/2 mile west of Carboneras

36158 *Bomarea* fls pink

36159 Shrub of 1/2 m fls yellow

36160 *Acacia*

36161 Fls Blue (*Hybanthus*)?

36162 *Begonia*

<sup>36164</sup> in bare area near spring

1 mile west of Carboneras

36163 *Lycopodium*

~~36164~~

Mexico

BAMSON

1 Aug 66

1/2 mi east of Tujupileo

36166

on mossy cliff wall  
*Begonia*

36167

*Begonia* (tuberous)

36168

"

36169

"

1 Aug 66

12 mi east of Tijupileo

36170 glabrous

36171 Pubescent

36175 Equisetum

16 mi east of Tijupileo

36172 Begonia - mostly  
epiphytic w orchid  
ferns + Piper on  
1st 2 m of tree  
+ trunks

~~36176~~

18 mi east of Tijupileo

36173 cucurbit

(see above) 36174 iris?

36176 Piper (epiphyte)

$\frac{1}{2}$  mile west of Temascalapa

36177 Crotalaria

36178 grass in fruit

out of  
order  
by error

M. ...

2 August 1966

In dense mixed broadleaf forest in the mountains above Temascaltepec epiphytic on rocks & tree trunks

36179

36180

36181 orchid

4 August 1966

15 miles north of Huajuapam de Leon in limestone outcrop

36182 Actinochaeta

36183 "

36184 Fascicled roots, fls. orange.

5 August 1966

12 mi SE of Huajuapam de Leon

36185 *Piper*

36186 *Aristolochia*

14 mi SE Huajuapam de Leon on limestone cliff walls.

36187 shrub with pink flowers

36188 on trees



5 August

Oaxaca

36189 Draped down on cliff

66 m SE of Huajuapam de  
limestone soil, sparse oak woodland

36190 epiphyte

36191 epiphyte

36192 Mint-flowered  
herb

36193 mint - calyx  
purple - corolla  
dark blue

36194 Pentstemon

arroyo → 36197 Tree 2 m fr black.  
In Oak forest on mt 30 mi  
north of Oaxaca.

36195 B. with red undersides  
to leaves

36196 Commelin

36198 Fern

In gravel, Monte Alban.

36199 Tree of 3 meters with  
white fruit.

6 August

Oaxaca

36200 *B. rhizomatosa*  
(cultivated - leaf press)

46 mi S of Oaxaca in  
narrow canyon

36201

On rocks on beach at  
Salinas Cruz!

36202

7 August

34 miles NE of  
Tejuantepec, lush *Jatropha*  
scrubland.

36203 Tree of 4 m with  
white flowers & red fruit.

36204 *Mimosa*

36205 *Zygodium*.

Bank of River

64 mi N of Tejuantepec.

36206 Grass

7 Grass

8 Vine-like shrub, fls pink

9 Water hyacinth

10 Bird of Paradise

Oaxaca

Tabasco

7 Aug

3 mi east of Coatzacoalcas  
in canyon (open)

36211 grass

36212 grass

36213 "

11 Aug 1966

Dense scrub w/ 30 mi. Merida

36214

5

12 August 1966

In shallow areas on inland  
side of island Atasco Campesino.

36216

Black of island Atasco  
Campesino

36217 Vire yellow flowers

218 shrub

30 m E of ~~Atasco~~  
Minatitlan

36219 Araceae, Plant

36220 Araceae w/  
white spathe

det. L. S. G.

Campesino

17 Aug

Vera Cruz

36221 Vine stems 2-4 in diam -  
2 ferns - vine

8 1/2 mi SE of ~~Vera Cruz~~ <sup>Catamaco, Vera</sup>  
Cruz ~~W. of~~ <sup>W. of</sup> ~~the~~ <sup>the</sup> ~~falls~~ <sup>falls</sup>

36223 - B. *Nelumbifolia*

36224 - B. *carolinifolia*

→ 36226 B. maple leaf

in NW of ~~Catamaco~~  
on road to Comajón

→ 36227 *Silaginella*

2 mi NW of Catamaco VC  
at falls near Hydroelectric  
plant on cliff face

36225 B. *Nelumbifolia*

12 August

rather dry hillside  
15 miles north of Catamaco,  
Vera Cruz.

36228 B. rhizonot

15 mi SE of Cordoba on  
dry hillside

36229 rhizonot

12 August 1966  
1 mile west of Cordoba on gravel  
36230

13 Aug 66  
44 mi NW of Vera Cruz by River  
limestone over conglomerate  
36231 B. *?*  
in wet canyon - limestone

36232 vine

36233 Tree of 1 m  
fruit red

36234 flowers red  
fruit green  
tree of 2 m

36235 fern of 1 m  
rhizomatous

36236 fern - grow  
in stream - plants  
3 m



13 Aug

12 mi NW of Jalapa  
on volcanic rock

36237 *Turckia*  
2nd petalobank

36238 *B. gracilis*

14 August 1966  
Lago de Xicotmilco

36239 *Wolffia*

18 August 1966 hardly  
most limestone canyon  
31 mi N of Zumpango ~~at~~ Hidalgo

36240 *B. gracilis*

19 August 1966  
limestone cliff 16 mi north of Jacala

36241  
36242 *Juncus*  
*regina*

19 Aug 66

12 mi N of Jacala  
in wet deep canyon

36243 B manicata

35 mi N of Jacala  
on wet limestone cliff

36244 B ?

36 mi N of Jacala  
on limestone outcrop

36245 B ?

Limestone cliff 43 miles north  
of Jacala

36246 B, Franconis?

49 mi N of Jacala  
in wet cliff

~~36247 B ?~~

~~36248 B Franconis?~~

~~50 mi N of Jacala~~

~~36249 B melanocephala~~

Widely

San Luis  
Potosi

19 Aug 66  
5 mi South of Campyrell  
on limestone shale  
dry

36249 *Beyonia*

20 Aug

17 mi W of Jurgens  
on mossy wet cliff wall  
limestone shale

36250 *B. francoisii*

36251 woody vine w/  
yellow flowers 1/2 inch



26 Aug 68 Ch 1 & 60 - 11

General Collections

Road to Norman

20 mi w of Tecumseh  
on roadside - red soil

37001 lobes + host

37002 con. like but no seed

37003 yellow flower

37004 purple flower  
single shoot

37005 stems rhizomatous  
white flower

stem - lower leaves  
at base

37006 red flowers

37007 spined leaves  
con. roots yellow  
blanc

37008 very stem pubescent  
white rim around  
flower parts

37009 shrub like 1 1/2 m high  
branches of 1/2 m thick

1 m off Norman rd 20 mi  
w of Tecumseh by lake  
shore

37009 - in water - sand

37010 - same - red stem

26 Aug 66

- sand - 37011 spiny - red stem
- in water - 37012 fruit at nodes above leaf
- sand - 37013 white flowers

20 mi w of Teanupich  
in wet ditch

- 37014 purp flowers  
dicot. perenn.?  
rosette

5 mi E of Teanupich  
Pl 9

- 37015 grass 1 m high

- 37016 purp flowers

- 37017 grass

- 37018 white flowers

branches jointed at base  
ground level  
top roots w. ...

16 mi e of Teanupich

- 37019 yellow flowers

- 37020 white flowers  
small plant

- 37021 yellow flowers  
low, erect, ...  
near pavement

10 mi e of Teanupich  
roadside

- 37022 weed



26 Aug

22 mi E of Norman

36323 grass

37024 grass

---

27 Aug

4 mi NW of Thompson  
on steep slope

37025 long flower  
2 heads

37026 purple flower

37027 yellow flower  
in cluster

37028 vine - violet  
and orange color  
flower in cluster

37029 red stem  
terminal cluster  
of violet flower

27-Aug

37033 yellow flowers  
tops of stems black

11 mi NW of ...

37031 weed ...

3 mi S of ...  
roadside

37032 vine - fence

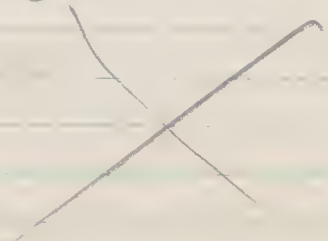
37033 weed - ...

37034 grass - spring  
corn seeds

37035 - yellow flowers  
roadside

37036 - ...  
road

37037 weed / ...



DBA 09

5 mi N of Ashe  
on roadside

37038 - small plant  
- red stem

8 mi N of Ashe on  
road to Sacred Heart

37039

37040 small plant  
- red stem

37041 - scattered stems  
No base

37042 - yellow flowers  
- brown clusters

37043 weed -

37044 - lateral outgrowth  
of cork stems

37045 Logwood

37046 grass - flattened  
seed pods

44

28 Aug

12 mi NE of  
Asher Mass bridge

37047 - *caerulescens* like  
3m high flower bright violet

37048 - elderberry  
7 m high

37049 - fern like  
in bed

37050 - *...*

7 mi SE of Asher on  
dirt RD Potatoes Co.

37051 - Tree (Plum?)  
5 m high

37052 - shrub 5 m high  
white berries

37053 - Pods w/ seed - small  
leaves

2 mi N of Asher on roadside

37054 - vine - white flower

37055 - vine - fruit

28 Aug

3 mi SE of Ashe on  
Dirt road

37056 - fern

~~37057~~

~~37057~~

~~Tree 1 m high~~

37058 Tree 7 m tall  
fruit - long, bean-like

5 mi SE of Ashe  
on dirt road

37059 vine - very  
thick - leaflets  
2-3 cm long



29 Aug

77 mi W of Astoria  
on road between  
(road side) in  
Pine

37059 - flowers  
yellow  
leaves  
green

37060 1/2 m high - yellow

37061 grass 1 ft high

37062 flowers white  
1 leaf on node  
green - 1 m high

37064 shrub 1 1/2 m high

37065 shrub 1 1/2 m high

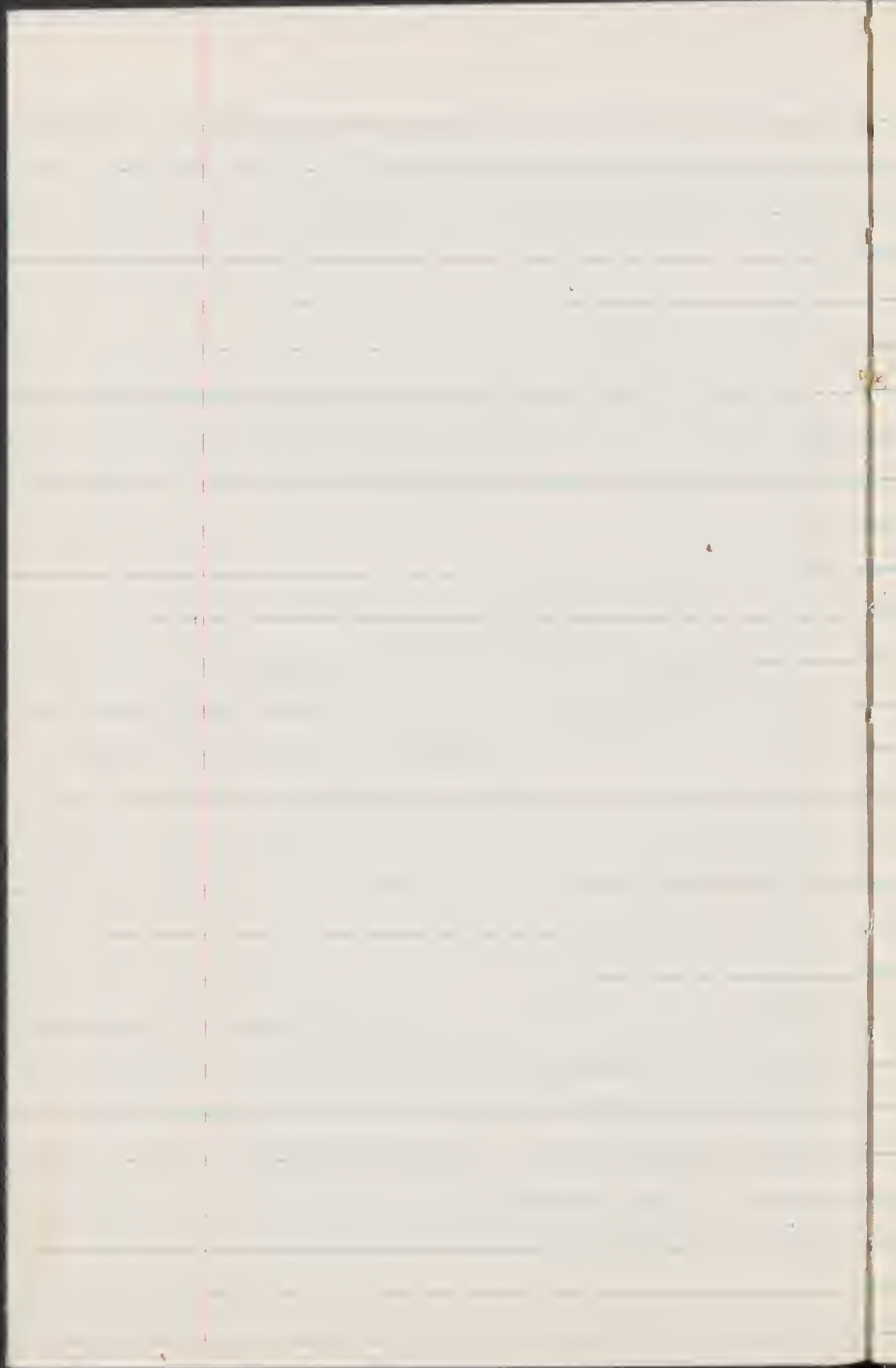
37066 shrub 1 m high

37067 shrub 1 m high  
red streaks

37068 shrub flowers  
small - yellow

37069 shrub 1 m high  
yellow

37070 shrub 1 m high



3746<sup>4</sup> - Nohat 7 Nov.



13 September 1970  
Nashua<sup>##</sup> woodland

- 40US000 ~~Nashua~~ ~~Betula populifolia~~ Marsh  
woodland tree 13m  
40US001 Myrica  $\frac{1}{2}$  meter  
40US002 hemlock 8 meters  
40US003 Quercus, 7 meters  
40US004 Populus 2 "  
40US005 Solidago  
40US006 "  
40US007 "  
40US008 Rays <sup>Rubeflora?</sup> yellow  
40US009 Artemisia  
40US010 Chenopodium  
40US011 Acer negundo

Conrad N/4

- 40US012 ~~Fragaria~~  
40US013 Mountain ash  
014, Tree of 3m  
015 Choke cherry  
016 Bittersweet  
017 Jamarack  
018 Crataegus  
019 Chokecherry  
020 Sambucus



40 US063

13 Sept.

- 40 US021 Cotinus
- 40 US022 lily, Liliium
- 40 US023 Rhus glabra
- 40 US024 Chokecherry
- 40 US025 Aster, fl. white
- 40 US026 Cornus, fr. blue
- 40 US027 Cornus, fr. blue
- 40 US028 Solidago
- 40 US029 Populus tremuloides ?

30

Japanese quince

1

Alnus

2

Cornus

near pond  
Open Area, Bow, N.H.

3

Aster

4

"

5

"

6

Hedera

7

Plantago

8

Cephalanthus

9

Verbena

40

Heteranthera? fls blue

41

fls reddish

Forest  
~~Woodland~~, Canterbury, NH

- 4.005042  
2 Apple  
3 Crab apple  
4 Maple  
5 <sup>Rock</sup> Smilacina Berris red -  
6 Umm  
7 Arisaema  
8 Maple  
9 Polygonatum berries blue  
50 Castanea  
1 Vernonia  
2 ~~Arisaema~~ Adiantum  
3 Lactuca  
4 "  
5 Beech  
6 Maple

309

- 7 Flowers white  
8 Sweet Oak  
9 Choke cherry tree of 3m  
60 Symphoricarpos fr. red  
61 Adiantum fr. white  
2 Comp. with yellow fls.  
63  
64 Asplenium  
65 Blechnum  
66 Mit  
67 Mirt

40 US 068 Concord, N.H.  
Petunia

Fey Bot

John F Reinhard

28 September 1970  
Forest at East Barrington, N.H.

40 US 069 Eulachia  
berries red

40 US 070 Araceae

40 US 071 Tullwin

40 US 072 Lily with  
green capsule.

40 US 073 Actaea alba

40 US 074 Sambucus

40 US 075 Solidago

40 US 076 Mitchellia?

7 Asterioy fls white

8 Botrydium

9 "Sticktight"

40 US 080 Upright herb with white  
fls. Stems & stemside  
small "

81 Ray lavender <sup>ster</sup> pubescent stem

82 <sup>ster</sup>

peduncles

3 Ligulate yellow

4 "Sticktight"

5 Growing in shallow water

6 Sedge

7 Sedge

8 Solidago

9 Aster

40 US 090 "

70 US 091 Comp rays yellow

2 fls white



Forst 28 Sept.

East Barrington N.H.

40 US 092 *Aster flexuosus*

93 — ?

94 *Hypericum?*

5 white aster

96 *Polygonum*  
beetle blue

97 *Oenothera*

98 *Ambrosia*

99 *Euraiceda*

40 US 00 *Potentilla*

40 US 01 *Hecoria*

40 05 102 Olga

29 Sept.

40102US Acer

3

Amuricus.

40104US Anter

40105US

17 Oct 70.

Woburn, - Greenhouse

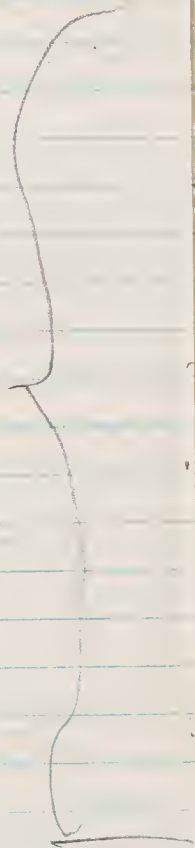
40106 US Begonia semperflorens  
fls pink —

40107 US Pelargonium zonale?  
fls red.

40 US 108 —————

40 US 109 —————

Vuchocan



11-15  
S Mexico

21 July 1966

Side of Volcanic canyon  
in Pine woodland. 8 Km N of Uruapan

- 1. Epiphytic moss
- 2. Liverwort - perisperm gametophores
- 3. leafy liverwort
- 4. epiphytic moss

12 miles NW of Uruapan  
on volcanic rock

- 5 liverwort on rock
- 6 " "
- 7 " w/ selaginella in it

22 Jul 66

2 mi W of Uruapan  
volcanic area on  
tree stumps

- 8 liverwort w/ fruit
- 9 6 mi South of Uruapan

25 July 66

rock cliff in volcanic area  
10 Liverwort SF Moralia

31 Jul 66

sub-alpine area 15 mi SW of Uruapan

- 11 Pine canyon walls
- 12 Pine on road near Perla



31 Jul 66  
mex 1 mile west of Carboneras  
⑬ stated Mex  
on bare soil

1 Aug 66  
mex ⑭ on bare rock 6 mi  
east of Tajupilco Mex

2 Aug  
mex ⑮ narrow canyon in  
hill above Temascal  
on rock - liverwort

5 Aug  
Oaxaca ⑯ 16 mi SW of Huajuapam  
MEX on volcanic  
lava desert

6 Aug  
Oaxaca ⑰ 43 mi SE of Oaxaca  
liverwort

13 Aug

12 mi NW of Jalapa  
wet canyon wall

very  
dry

(18)

liverwort leafy?

very

(19)

liverwort

dry

19 Aug 66

12 mi N of Jalapa  
on north slope

(20)  
Hillside

leafy liverwort



6  
1

**MINIATURE**  
**PERSONAL ACCOUNT BOOKS**  
for home and office



NO. 2044 OPEN STOCK  
in following rulings  
JOURNAL • CASH • S. E. LEDGER  
RECORD • D. E. LEDGER

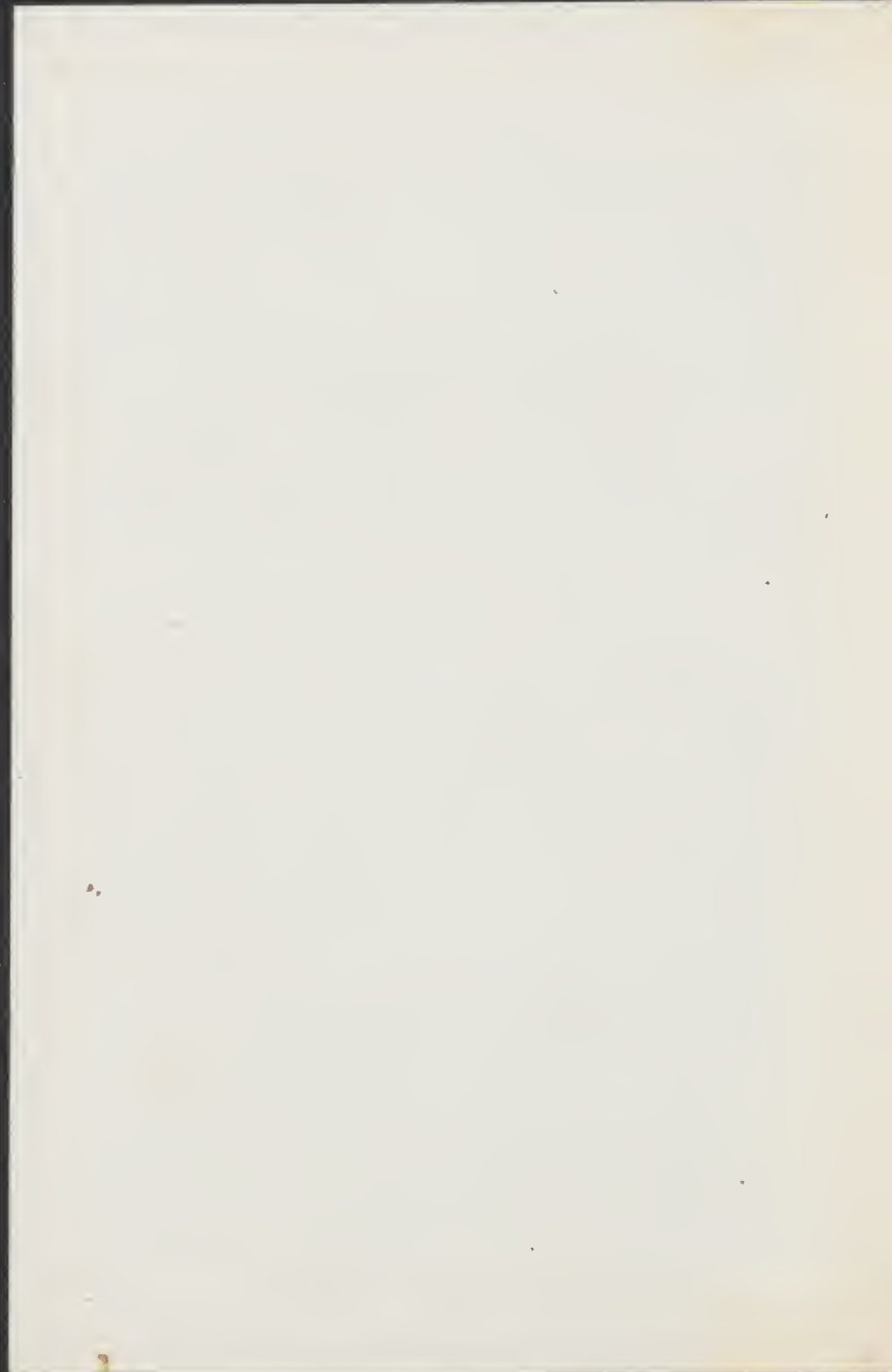


NO. 2044-A ASSORTMENT  
consisting of  
3-JOURNAL 3-CASH 2-S. E. LEDGER  
2-RECORD 2-D. E. LEDGER

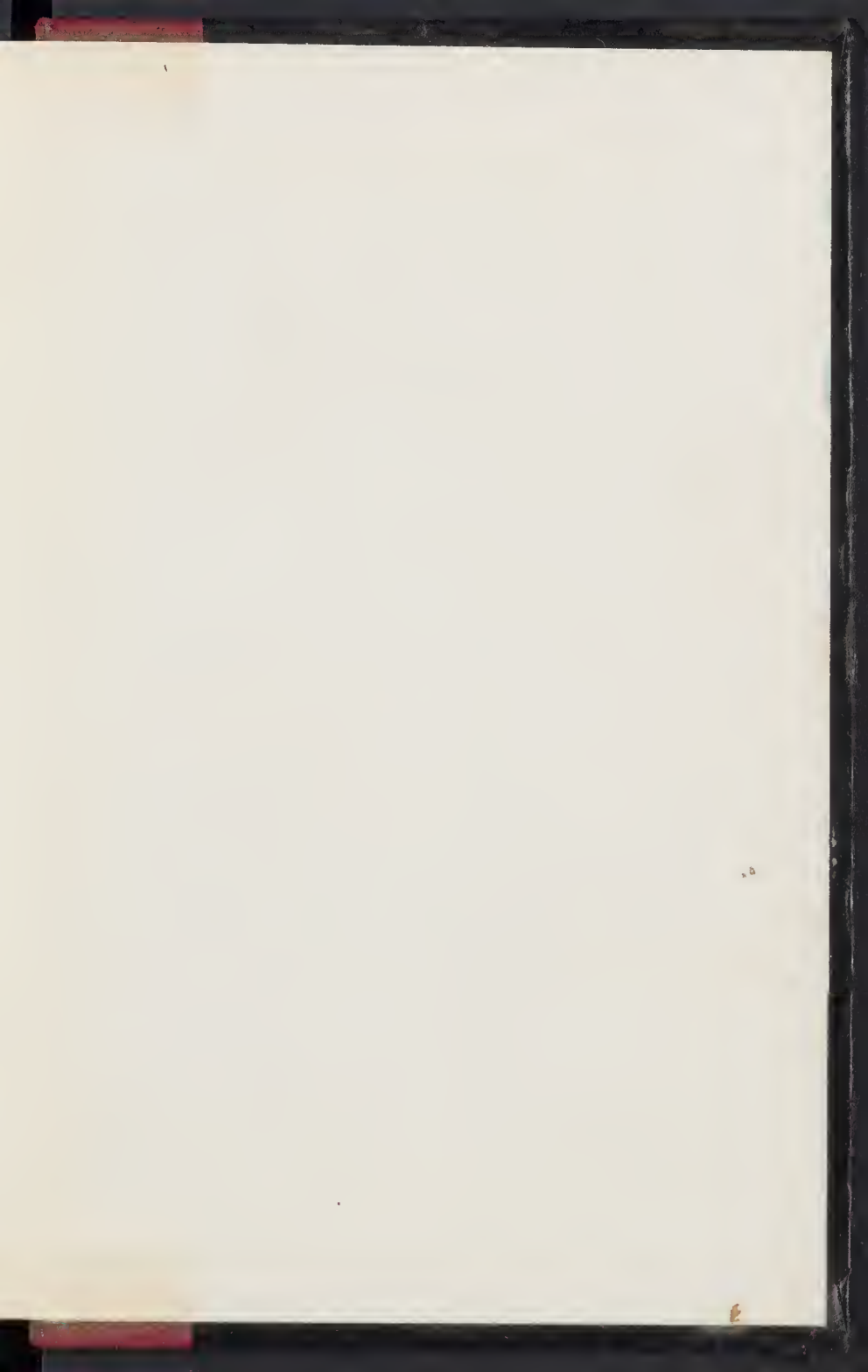


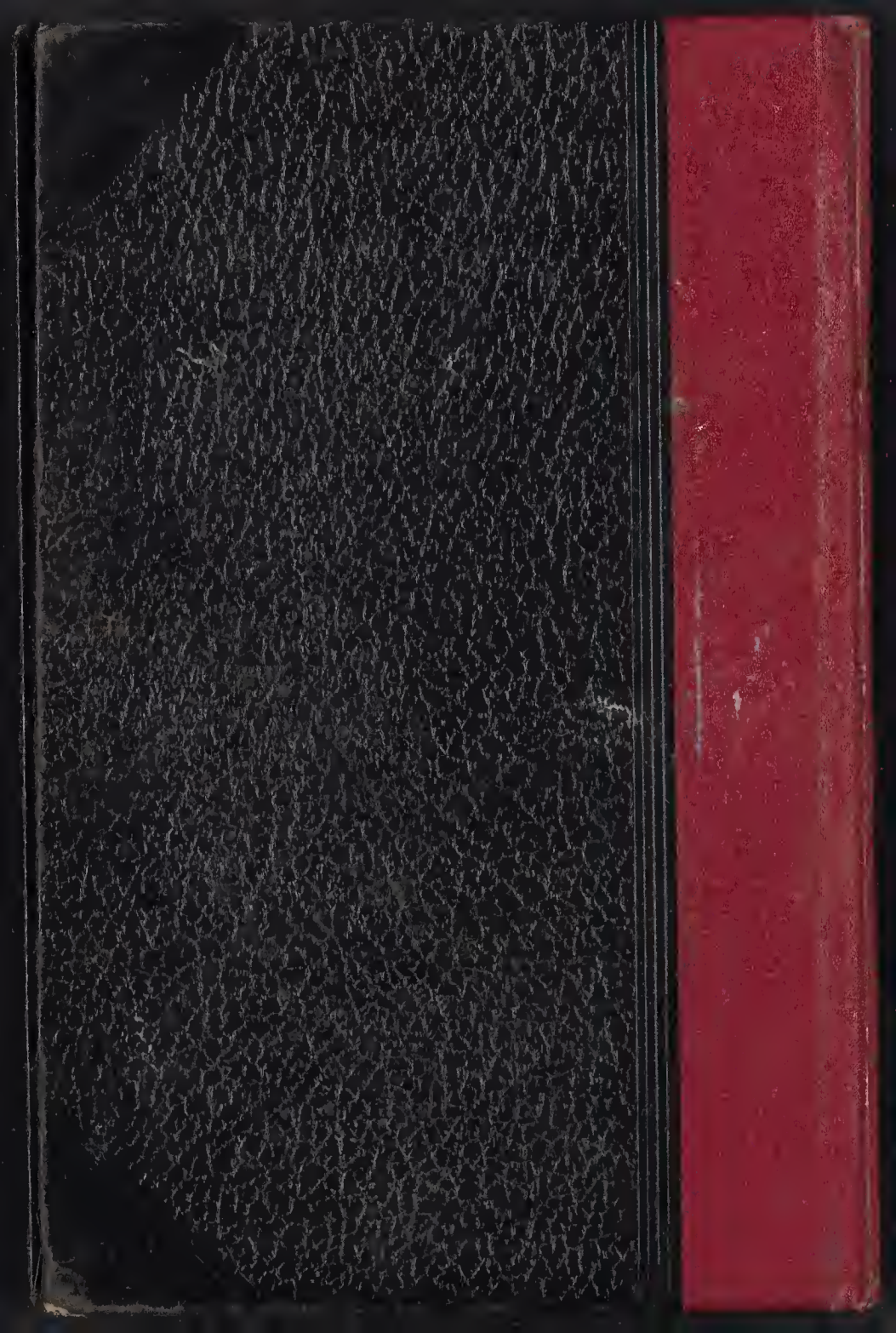
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Made in U.S.A.









**RECORD**

VERNON  
**VR**  
ROYAL

*Fred C. Buckley*

**HERBARIUM**

PERSONAL  
ACCOUNT BOOKS

No. 2044

Available Rulings

JOURNAL

CASH

S. E. LEDGER

RECORD

D. E. LEDGER

144 PAGES

J. S. A.

*Fred A. Barkley*

HERBARIUM



4

4

4

Forest on mountainside, Peru, Atlantida, Honduras  
1 May 1970 Faw, M.H.M., J.H.R.

- 40220 Shrub of 1 meter with orange flowers  
2 Prostrate herb with orange fruit.  
3 Tree of 5 meters with orange fruit  
4 Shrub of 1 " " white flowers  
5 " " 1 " spikes greenish white  
6 Vine with white flowers, seed red & black.  
7 " " red flowers.  
8 Tree of 8m with flowers lilac-pink  
Papilionaceae  
9 Cyperaceae  
40230 Shrub of 1 meter with yellow spikes Piper  
1 " " 1 " " " "  
2 " " 2 " " red bracts  
3 shrub with lavender flowers. Asteraceae  
4 Grass  
5 Shrub of 2 meters with yellow flowers. "  
6 Tree of 4 " " white " fruit  
7 Tree of 4 " " white flowers.  
8 Herb with blue flowers. Asteraceae  
9 fls white Solanaceae  
40240 Spikes white Potamogeton  
1 Herb of 1 m. fls. greenish-white, fruit orange  
2 " " 2 " " white  
3 " " 1/2 " " "  
4 " " 2 " " white

Forest on mountainside, Peru, Atlantic,  
Honduras  
1 May 1970

40245

6

Shrub of  $\frac{1}{2}$  meter with flowers pink

Cyperaceae

7

Adiantum

8

Fern

9

Herb with white flowers.

40250

1

Cyperaceae

2

Selaginella

Climbing

Fern

Forested valley near So. Francisco,  
Atlántida, Honduras.

2 n. ago 1970

- 40253 Herb of 3 m with white flowers.  
4 Shrub of 3 m with white flowers & fruit  
5 Shrub of 2 m with white flowers & black fruit  
6 Vine with white flowers & immature fruit  
7 Vine " " " Vitaceae  
8 Shrub of 3 m fls. pink. Melastom  
9 Vine with pink flowers Papilionaceae  
40260 Shrub of 3 meters with upright  
scarlet flowers Malvaceae  
1 Vine with yellowish green flowers  
2 Sprawling shrubby herb  
with pale violet flowers  
Solanaceae  
3 Shrub of 1 meter with fruit white  
4 Tree of 3 " " red flowers & fruit  
5 " " 3 " " " " " "  
6 Herb of 1 m, flowers white  
fruit orange Solanaceae

Open grassland Santa Rosa de Copán,  
Copán, Honduras  
8 May 1970

40267 Hierba con flores violetas.

open woodlands, at valley of  
Quintas de Copon,  
Copon, Madras  
& Mayo 1970

40268 Shrub <sup>tree</sup> with white  
flowers

40269 Tree of 6m fls. yellow

40270 Ruellia herb with  
blue flowers

40271 Upright herb with  
flowers yellow & red.

40272 Herb with orange-  
yellow flowers.

40273 orchid epiphyte  
flowers pale. A lip  
of fruit white later yellow.

40274 Herb with red fruits

✓ 40275 Epiphyte with white  
spadix. narrow

40276 Epiphyte with green spadix



Feb + J MR

40277 Herb with lilac flowers.

40278 Epiphyte with red  
fruit. ~~to~~ Braccae.

40279 Tree of 6 m fls  
white.

7 Feb 4 M H M 40280 Vine with white  
flowers.

40281 Herb. ~~ca~~ with white  
flowers

40282 Shrublike herb of 1 m  
with white flowers &  
orange fruit.

40283 Vine with green fruit

40284 Vine with green fruit

40285 Sprawling shrub of 2  
m. fruit cream.

40286

River valley below Copán  
Antigua

9 May 1970

Fred A. Barkley & Luis Armando Kelz

40287

8 flowers yellow vine

40290

9 res. pink  
fls yellow

1

fls pink

2 fls blue herb Commelinia

3 Sp. Herb - Anacarditaceae

4

Tree 73 m fls red

5

Herb with white flowers

6

woody & vine

7

Parasite on large tree

8

fruit yellow

8

Flowers white Brassicaceae

9

Herb. fls white

40300

1

Herb fls white

2

fern

3

Sp. lg

40304

Orchid fls orchid colored  
in huge at rest in high  
tree

Open forest near Quimistán,  
Honduras

9 May 1970

Mauro Hernández & Freda Sackley

40305 herb 7 2 - with violet  
flowers.

Rich soil of irrigation ditch,  
Cofradia, DC, Honduras

16 May 1970  
Bob + Elizabeth

40306 Polygonum  
fls deep pink

~~Halfway up on road up to Rancho  
Guanada, in montane forest,  
DC, Honduras~~

~~17 May 1970 TABA Alejandro Ura. 7~~  
40307 ~~Herb to 3 m with~~  
flowers red

40308 flowers yellow  
tree of 3 m.

40309 fls greenish yellow  
vine herb.

40310 Begonia fls white  
upright rhizomatous to  
6 ft

40311 Begonia fls white  
upright to 3 ft.

7  
40312 Tree of 4 m  
brots green bay-colored

40313 vine fruit + lf green.

Cloud forest at  
Rancho Guerrero  
above El Estero,  
DC Honduras

re. quiz

Fern & Alex Eroquiz

17 May 1970

- 4031~~5~~ Tree of 2 m fls fruit white  
4031~~3~~4 Tree of 2 m fls white  
fruit black.  
40316 epiphyte  
40317 terrestrial fern  
40318 shrub of 1 m fls pink  
40319 shrub of 1 m fls white fruit blue  
40320 Begonia upright to 4 ft -  
fls white

Forest  
~~Atas~~ Balneario Ponoro  
near La Esperanza, Jubbos

22 May 1970  
Zab  
Cris Barlas  
Mary Nicksel  
Julia Heron

40321 Herb, flowers blue

40322 Vine <sup>maroon</sup> spotted green flowers

40323 Shrub 1 m. white flowers

324 Vine, yellow flowers  
Papa's flora.

325 Orchid yellow flower (brown)

326 Herb, 1 m., red flowers

327 Herb, yellow & brown flow.

328 Herb, white flowers.

329 Herb, white flowers

40330 Herb, white flowers

Garden in La Esperanza

Herb of 3 m with  
red flowers

40331 Begonia



Inhubea  
Rain forest in mountain  
east of La Esperanza

7000 ft.,  
22 May 1970

~~Days~~

- 40332 Tree 3 m., pink flowers  
333 Shrub, 2 m., orange flowers  
334 Vine, green flowers, ~~green fruit~~  
335 Herb, white flowers.  
336  
337 Plantago  
338 Shrub 1/2 m  
339 Lycopodium  
40340 Fern  
341 Grass  
342 Sub shrub, 1 m., flowers blue  
343 Fern  
344 Sprawling shrub.  
345 Tree, 3 m.  
346 Tree, 2 m., green fruit  
347 Tree, 2 m., green fruit  
348 Tree, 3 m., green fruit  
40349 Herb, blue flowers

- 40350 Tree, 4 m., red flowers  
 351 Vine, green flowers, green fruit  
 352 *Lacopodium*  
 353 Shrub,  $\frac{1}{2}$  m., white fruit  
 354 Tree, 3 m.  
 355 Fern  
 357 Herb, green fruit  
 358 Tree, 3 m.  
 356 Shrub, orange fruit  
 359 Shrub, 2 m.  
 40360 Shrub, 2 m., orange flow.  
 361 Shrub, 1 m.  
 362 Viney tree, red flowers, green fruit  
 363 *Piper*  
 364 Shrub, 1 m., fruit black  
 365 Orchid, brownish flower  
 366 Herb, lavender flowers  
 367 Herb, lavender flowers  
 368 Herb, lavender flowers  
 369 Herb, yellow flowers  
 40370 Herb, purple flowers  
 371 Herb, white flowers  
 372 Tree, 2 m., white flowers  
 373 Epiphyte, nodded flowers,  
 except lip yellow.

40405 <sup>6</sup> Ground. fls whitest. bracts green  
fls blue bracts red.

40374 Tree, 4 m, "white flowers

375 Tree, 4 m, pink flowers

376 Tree, 3 m, white flowers

377 Herb, flowers purple

378 Herb, yellow flowers

379 Tree, 5 m, white flowers

40380 Herb, purple flowers

381 Herb, 1/2 m white flowers

Open woodland in  
Mountain canyon

~~woodland~~ 9 <sup>mi</sup> from

La Esperanza on road to

Marcala, Intibusa,

23 May 1970

40382 Shrub with yellow  
flowers

83 Shrub of 1/2 m with red

flowers

84 Tree of 5 m fls same

85 Herb of 1/2 m with ♀ fls green  
or red.

86 herb or fls

87 Tree of 1/2 m fls white

88 Tree of 5 m with black fruit

89 Herb with white flowers

90 herb with green fls

40391 shrub of  $\frac{1}{2}$  foot fls white  
fruit black

92 Woody vine with  
yellow flowers

93 Tree of 3 m fr green

94 shrub of 1 m fls white

Open woodland on dry mountainside  
19 km from Esperanza on road to  
Marcala, Interoceano  
23 May 1978

40395 shrub of  $\frac{1}{2}$  m fls pink  
fruit black

40396 *Lycopodium*

Oak Pine forest on road to

~~Yamora~~

Yamora anguila.

from La Esperanza, Intibuca,  
Honduras 23 May 1970

40397 Tree of 7

40398 Upright herb with white  
flowers.

40399 ~~Herb~~ Shrub of 1 m with  
pink flowers

40400 Tree of 4 m fls white,  
fruit red.

40401 Upright herb with  
yellowish-green flowers

40402 Orchid perianth mottled  
brown spots on yellow, lip  
yellow.

40403 Herb with white flowers



Oak tree forest on road to  
Yanarantguila, from La  
Esperanza, Iturbida, Hds  
23 May 1970

40404 Shrub with long tubular  
white flowers.

Open scrubland along  
Rio Otono.

9

24 May 1970

- 40410 Shrub, 1 m., flowers white  
11 Shrub, 1 m., flowers white  
12 Selaginella  
13 Tree, 6 m., flowers white  
juice milky - Frangipani  
14 Shrub, 1 m., flowers lavender  
15 Shrub, 2 m., fruit yellow  
16 Herb, blue flowers  
17 Terrestrial bromeliad



Open forest at

↳ Los Alpes (Rio San Marcos,  
Interoceánico)

24 May 1970

- 40418 Herb. pinkish flowers.  
19 Epiphyte, perianth greenish-  
yellow, lip blackish-lavender  
above, yellowish below.  
40420 Epiphyte  
21 Epiphyte

Mountains above Siguatepeque,  
~~Comayagua~~ Honduras

24 May 1970

- 40422 Terrestrial orchid  
~~with Comayagua~~  
with orange flowers.

Swampy woodland near  
the Spanish Castle at Onmoor,  
Cortez, Honduras

29 May 1970

- 40423 Herb with pink heads  
4 Small tree with flowers + fruit  
white.  
5 Grass 2 m tall  
6 Tree of 4m fls blue fruit black  
7  
8 Tree of 4m fls white  
9 Herb with pale blue flowers  
40430 " " green fruit  
1 " " white flowers.  
2 Tree of 4 meters fruit grey  
3 Tree of 2m spikes yellow  
4 Shrub of 1m with blue fls + frs  
5 herb with orange bracts +  
yellow perianth.  
6 Herb of 1/2 m with green infl.  
verticillate.  
7 Herb of 1/2 m fls yellow  
8 which is epiphytic  
9 grass  
40440 prostrate herb with yellow heads  
1 " " fls white  
2 upright herb fls orange + yellow

40443 Water plant with  
blue flowers.

4 Tree of 3 m fls white.

5 Herb of 2 m bracts red.

6 algae

7 moss

8 Herb with yellow flowers.

9 Herb with white flowers.

40450 Herb with yellow fls

1 Herb with lavenderish  
flowers.

2

3

4 Herb fls white.

5

6

7

8

40460 grass

1 Paspalum

2 fls white

3 var. yellowish ray part

4 Herb fls white

5 Upright herb fls white

6 Physalis

7

40468 Herb with white fls  
green  
40470 Tree of 4m fr green

Open sandy beach at  
Travassia, Cortez,  
Honduras  
30 May 1970

- 40 471 Sprawling herb  
with lilac ~~flowers~~ flowers
- 2 Tree of 4m fls  
white "alredra"
  - 3 Portulaca  
Succulent herb with  
pink flowers
  - 4
  - 5 fls almost white
  - 6 heads greenish
  - 7 fls light lilac

- 40478 herb with yellow fls.  
 9 shrub of 1 on fls lilac.
- 40480 herb with lilac fls.  
 1 herb of 2 on fls lilac  
 2  
 3  
 4 shrub of 1 on fls white  
 5 herb fls yellow  
 6 Spring shrub of 2 on fls pink  
 7 herb fls white  
 8 fleshy herb with white fls  
 9 prostrate herb with  
 red leaves.
- 40490 upright herb with white  
 fls, leaves?  
 1 herb fls blue  
 2 " fls light blue  
 3 prostrate herb fls yellow  
 4 shrub fls white (green)  
 5 ~~prostrate~~ fls white  
 6 prostrate herb with  
 white flowers.

40497 upright herb / m fls <sup>white</sup>  
98 herb fls white / <sup>green</sup>  
99 " " "

40500 fls orange, except tip of  
lip ~~lower~~ dilute

40501 shrub with silvery leaves

40502 (old)



Open woodland on mountain-  
side at San Marcos de Colón,  
Choluteca, Honduras

6 June 1970

Robt + Pedro Antonio Ramirez Boyas

40503 Helecho.

40504 Arbusto de 1 metro con  
flores blancas

40505 Arbol de 4 metros con  
flores amarillas al principio y despues  
amarillizadas.

40506 Arbolito espinoso de 2 metros  
con flores blancas

40507 Arbusto de 2 metros monoico.

40508 Arbol de 6 metros con flores  
Crema.

40509 Bejuco con flores y  
frutos verdes.

40510 Arbolito de 3 metros  
con flores escarlata

40511 Arbusto de 1 1/2 metros  
con flores blancas.

405012 Hierba prostrada  
con flores blancas.

405013 Hierba con flores  
violetas

405014 Hierba erguida con  
flores amarillas

405015 Hierba erguida  
suculenta con flores amarillas

~~405~~

Woodland near the Choluteca  
River, Choluteca, Honduras  
6 June 1970  
J. B. G. P. A. B.

40516 Hierba 1/2 metro altura con flores  
y frutos verdes

40517 Tihuilhote, Arbol de 4 mtrs  
con flores y frutos blancos.

40518 Hierba de un metro con  
flores blancas.

40519 Arbol de 3 metros con  
flores anaranjadas.

40520 Hierba de  $\frac{1}{2}$  metro  
con flores azul-violeta.

40521 Bejuco

40522 Arbusto de  $1\frac{1}{2}$  con  
flores y frutos verdes

40523 ~~Bejuco~~ <sup>Arbusto</sup> con flores  
amarillas.

40524 Arbol de 3 metros con  
flores verdes

40525 Bejuco con Flores Azules.

40526 Arbol de 2 metros con  
flores blancas y frutos negros.

40527 Hierba con flores blancas

40528 Hierba con flores amarillas

40529 Arbol de 4 metros con  
Frutos blancos.

40530 Arbol de 6m con  
flores blancas

40531 Hierba.

40532 Hierba erguida con  
flores amarillas.

40533 Hierba erguida con  
flores blancas

40534 Hierba con flores azules

40535 Hierba suculenta

40536 Hierba suculenta

40537

Drupland  
Dr. A. Hues, Groivos  
a. Díaz, Rosduran  
9 ~~July~~ June 1970

40538 Prostrate herb; yellow  
flowers

40539 Herb; white flowers

40540 Herb; blue flowers

- 40541 Herb white flowers
- 40542 ~~Herb~~ Small shrub  
flowers white
- 40543 Low shrub; white flowers
- 40544 Low shrub; white flowers
- 40545 Low herb; white flowers
- 40546 Herb; white flowers

~~Grasslands~~ with a few  
trees Savannah, at  
Puerto Lengua de Vaca,  
a Dios, Bolívar  
9 June 1970

- 40547 Herb; white flowers
- 40548 Herb; violet flowers
- 40549 Small shrub; yellow ff.
- 40550 Terminalia Tree;  
white flowers



Savannah, Puerto Lengua,  
Cruces a Dios, Madras

7 June 1979

- 40551 Tree 4 m, fruit green  
Sapindaceae? Jabón?
- 40552 Arbol 8 m; frutos verdes
- 40553 Arbol 5 m; frutos verdes  
rejizos en guijos (clusters) Anon-  
naceae
- 40554 Birsonima, Malpighiaceae,  
Arbol 5 m; frutos amarillos,  
"nance"
- 40555 Arbol 5 m; flores blancas,  
frutos verdes
- 40556 Tree 2 m; flores blancas
- 40557 Tree 2 m; flores rosadas  
fruit black Melastomataceae
- 40558 Shrub; 3 m white flower; Cer-  
\* dia



- 40559 Hierba flores ~~axaxallas~~  
rosadas; Lamiaceae
- 40560 Prostrate shrub; lilac flowers
- 40561 Prostrate herb; yellow flowers
- 40562 Tree 6 m; fruit 6 in.  
long "Pucru" in Misquito dialect
- 40563 herb with pink flowers  
Polygale \*
- 40564 Vine with blue flowers,
- 40565 Cactus vine; sepals orange, petals  
white
- 40566 Herb; flowers white; bulb
- 40567 Epiphytic orchid; flowers ma-  
rooned-lavender, lip yellow, tip  
purple.
- 40568 Epiphytic orchid; flowers white
- 40569 Epiphytic fern;

- 40570 Subshrub; yellow flowers
- 40571 Tree 5 m; flores blancas;  
fruit purple "icaco"
- 40572 Herb lilac flowers - Asteraceae
- 40573 Herb lilac flower - Lactucaceae
- 40574 Tree 2 m; red fruit
- 40575 Epiphytic fern
- 40576 ~~Fern~~ Prostrate herb, lavender  
flowers; fruit green
- 40577 Prostrate herb, white flowers
- 40578 Prostrate herb, pink flowers  
*Eomphrena*, Polygonaceae
- 40579 Shrub 1 1/2 m; white flowers
- 40580 ~~Shrub~~ Herb - ~~Cyperaceae~~  
flowers green - Euphorb.
- 40581 Cyperaceae -
- 40582 Grass - Gramineae

Palmetto swamp near  
Puerto Lempira, ~~Diosa~~  
Gracias a Dios, Honduras  
10 June 1970

- 40583 Prostrate herb;  
pink flowers
- 40584 Upright herb; white flowers
- 40585 Eriocaulon -
- 40586 Herb yellow flowers - Xyris
- 40587 Herb white flowers
- 40588 Herb pink flowers - Polygala
- 40589 Herb white flowers - Polygala
- 40590 Grass
- 40591 Herb; flowers white
- 40592 Shrub 1m; white flowers  
Melastomataceae
- 40593 Subshrub 1ft; flowers white  
Melastomataceae

40594 Shrub 1 m; white flores  
Melastomatáceae; fruto black

40595 Shrub 2 m, flores white  
buds pink

40596 shrub 1/2 m; flowers blancas

40597 ④ Tree 1 ft; flowers yellow  
40679 - Birsonima - Malpighiaceae  
40682

The lagoon ~~is~~ of  
~~the~~ Bay of Taring, Trinidad  
St 315.

10 June 1970

40598 Tree 3 m high

Pachira Bombacaceae

40599 Tree 3 m high, flowers white

40600 Tree 10 m; flowers green

40601 Tree 10 m; fruit green

40602 Arbol 6 m; flores pink;  
fruit plum-shape

- 40603 Tree 4 m - Anonaceae  
flesh of fruit orange
- 40604 Aquatic shrub unbranched,  
3 m; flowers, spade white - Ara-  
ceae
- 40605 Arbol 5 m; frutos orange  
Palmaceae Leaves = sheet 1 (4) (13)
- 40606 ~~sp.~~ Salvinia
- 40607 Flowers white, sepals green  
Aquatic - Nymphaeaceae  
Leaves sheet 1 (4)
- 40608 Potamogeton
- 40609 Aquatic; flowers pink
- 40610 Sterile Utricularia
- 40611 Tragia
- 40612 Herb yellow flores - Xyris
- 40613 Herb white flowers - Sagit-  
taria (2) (3)

40614 Herb white flowers - Arma  
ryllidaceae

Forest on

Tonsin, Gracias a Dios  
Honduras

10 June 1970

40615 Epiphyte - subtending  
leaves pink inside base - Bro-  
meliaceae - Bracts red, fruits  
dark-green

40616 Tree 1 m; orange flowers

40617 Shrub

40618 Shrub 2 m white flowers

40619 Vine, red flowers; Vitaceae

40620 Cyperaceae

40621 Aquatic herb green flores



- 40622 Herb white-blue flowers,  
blue fruit
- 40623 Tree 3 m; *Gossypium*
- 40624 Upright herb; green fruit
- 40625 Epiphytic fern
- 40626 Upright herb; greenish flowers
- 40627 Shrub 2 m; flowers blancas  
fruit dark blue
- 40628 Arbol 2 m; flowers white,  
fruit black
- 40629 Shrub 1/2 m; flowers white
- 40630 Shrub 1 m; flowers blancas
- 40631 Tree 10 m; ~~white~~ flowers  
orange - *Birsonima* - Malpighiaceae
- 40632 Herb 1/2 m; pink flowers,  
Malvaceae

- 40633 Herbaceous vine, yellow  
flowers, orange fruit
- 40634 shrub 1 m; flores white,  
fruit dark purple
- 40635 Cyperaceae
- 40636 small shrub, yellow flowers, Mal-  
vaceae
- 40637 Small shrub, pink flowers
- 40638 Vine with white fls Asterac
- 406 9 " " yellow " "
- 406 40 Piper
- 406 41 shrub ~~and~~ 1 m fr black.
- 406 42 Araceae. Spathe white  
becoming green in fruit
- 40643 Shrub 1 m; flowers white
- 40644 Tree 3 m; fruits orange

40645 Shrub 1 m; bracts red-orange; flowers yellow, fruit blue "~~but~~" varilla negra de montaña"

40646 ~~Shrub; white flowers~~  
Vine; fruit green

1-40647 Helecho

~~40648~~ Laguna Tansin  
Gracias a Dios  
10/junio/1970

40648 Cyperaceae

40649 Herb, lavender flowers

40650 Herb, yellow flowers

40651 Aquatic; green sepals, white petals - Nymphaeaceae

40652 Tree 7 m; flowers yellow

40653 ~~Tree~~ Shrub 1 m; green fruit

40654 Woody shrub; white flowers

40655 Grass

40656 Grass

40657 Eriocaulon  
<sup>woodland</sup>  
Caespitosa, *Travincos*

Dio, Hardman

11 Jun 1970

40658

40659

Shrub with whitish  
bracts.

40660

40661 Shrub of 2m fls  
white.

40662 Prostrate succulent  
herb; flowers light lavender

40663 Prostrate herb

- 40664 Prostrate herb; flowers white
- 40665 Vine yellow-flowered
- 40666 Portulaca
- 40667 Prostrate herb; flowers white
- 40668 Woody vine, white fl.  
Leguminosae - Papilionaceae
- 40669 Shrub 2 m; violet flowers  
Apocynaceae?
- 40670 Tree 5 m; flowers yellowish-white
- ③ 40671 Herb 1-2 m; flowers white  
fruit orange
- 40672 Herb
- 40673 Herb white flowers
- 40674 Herb yellow flowers  
Papilionaceae

40675 Fern aquatic

④

40676 Aquatic herb

40677 Tree 7 m;

②

40678 Tree 5-6 m; flowers  
~~white~~ pinkish; fruit yellow

See after 40597

40679 Herb with pale lilac fls.

80

81

82

Iris (bulb)

Herb with yellow fls.

40687

88



grassy  
Low Hill near Puerto  
Lempin, Gracias a Dios, Hond.

12 June 1970

40679 Legum with blue fls.

40680 -

<sup>740</sup>  
~~40681~~ herb with lilac fls.  
94

40682 "Arayon" shrub with  
white fls. Myrtaceae

40683 Polygala fls pink  
"Sica de Llano"

[Thicket with a few shrubs  
at Awas, Gracias a Dios, Hond]

12 June 1970

40684 Shrub with yellow fls black fruit

85 Shrub fls white

86 Shrub fls white

40687

Used

40688

Used

Mtn north of Tequiguaypa  
DC Honduras

17 July

JAB, SHR, MHM, Mh. Smith, A.H. Etha  
40689) herb with blue flowers

40690 Prostrate herb with rose flowers

40691 Herb with yellow flowers

40692 Herb with yellow flowers

40693 Herb with yellow flowers

40694 Vine with purple flowers

40695 Prostrate herb with yellow flowers

40696 Shrub with pale lilac flowers with yellow center

40697 Herb with yellow flowers

40698 Herb with yellow flowers

- 40699 Herb with yellow flowers
- 40700 Herb with yellow flowers
- 40701 Herb with white flowers
- 40702 Herb with blue flowers
- 40703 Grass
- 40704 Herb with yellow flowers
- 40705 Herb with pinkish flowers
- 40706 Shrub with scarlet flowers
- 40707 Herb with yellow flowers
- 40708 Sub-shrub with pink flowers
- 40709 Herb with yellow flowers
- 40710 Shrub with white flowers
- 40711 Shrub with orange flowers
- 40712 Shrub with scarlet flowers

- 40713 Prostrate herb with rose-  
lilac flowers
- 40714 Upright subshrub with  
yellow flowers.
- 40715 Low herb with yellow flowers  
- legume
- 40716 Low herb with yellow flowers  
legume
- 40717 Upright herb with yellow  
flowers
- 40718 A shrub of 2 meters  
with red flowers
- 40719 Herb with lilac flower
- 40720 Herb with white flowers

- 40721 fern
- 40722 Epiphyte - Flowers orange  
lip stippled with purple
- 40723 Herb with blue flowers
- 40724 An herb of 1 meter with  
white flowers.
- 40725 An herb with white flowers
- 40726 Prostrate herb with blue  
flowers
- 40727 Herb with pink flowers
- 40728 ~~Sati~~ Selaginella
- 40729 Polypodium
- 40730 Herb with orange flowers.
- 40731 Herb with blue flowers.
- 40732 Herb with white flowers,



- 40713 Prostrate herb with rose-lilac flowers
- 40714 Upright subshrub with yellow flowers.
- 40715 Low herb with yellow flowers  
- legume
- 40716 Low herb with yellow flowers  
legume
- 40717 Upright herb with yellow flowers
- 40718 A shrub of 2 meters with red flowers
- 40719 Herb with lilac flowers
- 40720 Herb with white flowers



- 40721 fern
- 40722 Epiphyte - flowers orange  
lip stippled with purple
- 40723 Herb with blue flowers
- 40724 An herb of 1 meter with  
white flowers.
- 40725 An herb with white flowers
- 40726 Prostrate herb with blue  
flowers
- 40727 Herb with pink flowers
- 40728 ~~Sate~~ Selaginella
- 40729 Polipodium
- 40730 Herb with orange flowers.
- 40731 Herb with blue flowers.
- 40732 Herb with white flowers.

- 40733 Tree of 3 meters with red flowers  
pinkish
- 40734 Tree of 3 meters with white flowers  
^
- 40734 Tree of 3 meters with green ~~red~~ <sup>ish</sup> ~~fruits~~  
fruits + ~~fruits~~
- 40736 Herb with pinkish-white  
flowers
- 40737 Cyperaceae - heads white
- 40738 Cyperaceae -
- 40739 used
- 40740 used
- 40741 used

Mountains near  
Tamará, D.C., Honduras

19 June 1970

40742 ~~Herb~~ Herb with blue flowers

40743 Herb with yellow flowers

40744 An herb with yellow flowers

40745 Herb with yellow flowers

40746 Herb with blue flowers

40747 Herb with yellow ~~flowers~~ flowers *Hypoxis*

40748 Herb with blue flowers  
*Convolvulus*

40749 Herb with yellow flower

40750 Herb with pink flowers  
*Cypripedium*

- 40751 Herb with pink flowers  
Polygalaceae
- 40752 Herb with orange flowers
- 40753 Herb with pink flowers.
- 40754 Anacardiaceae. Shrub  
with white flowers
- 40755 Malvaceae. Shrub of .5 meter  
with white petals.
- 40756 Herb with blue flowers, blue fruit.  
Rubiaceae.
40757. Tree, 5 m., yellow fruit
- 40758 Shrub of 1 meter with  
white flowers
- 40759 Shrub of  $\frac{1}{2}$  meter with  
red fruit
- 40760 Herb with pink flowers

40761 Upright herb with blue  
flowers

40762 Tree of 3 meters. Asteraceae

40763 Tree of 2 meters with  
white flowers

40764 Herb with blue flowers.  
Asteraceae

40765 Herb with red fruit.

40766 Shrub of 1 meter with white  
flowers.

Wet bottom near  
~~Comoyagua~~ Comoyagua.

40767 Marsilea

40768 Herb, yellow & orange flowers

40769 Herb, Scirpioid sign,  
flowers light blue



Pine woodland in mts  
above Siguatepeque  
19 June 1978

- 40770 Terrestrial; orchid colored  
40771 Shrub with red flowers  
40772 Shrub with white flowers  
40773 Shrub with red flowers  
~~40774~~  
40774 Herb with lavender flower  
40775  
40776 Shrub of 1m fls ~~orange~~ pink  
fruit black  
40777 Shrub of 1m fls white  
40778 O medium, Terrestrial  
perianth brown with tips  
yellow  
40779 flowers orchid  
Bletia purpurea Am &  
Correll



- 40780 Rain forest near Peña Blanca  
20 June Cortez, Hond.  
Vine with spathe green
- 40781 Cyperaceae
- 40782 *Lomopsis utriculoides*
- 40783 ~~Epiphyte~~ Epiphyte
- ~~40784~~ Tree of 4 meters flowers white  
40784
- 40785 Herb with white flowers
- 40786 Epiphyte
- 40787 Epiphyte ~~Herb~~ Piper
- 40788 Epiphyte Piper
- 40789 Iris, flowers yellow
- 40790 A vine Begonia
- 40791 ~~Tree~~ Tree of 4 meters, Palm  
Fruit orange
- 40792 Herb with green flowers
- 40793 Piper

- 40794 Araceae, spathe green
- 40795 Araceae with green spathe
- 40796 Epiphyll bracts red, flowers white, Vermeilliacae
- 40797 Sometimes epiphytic on trunks of tree, Begonia
- 40798 Tree of 6 meters with white flowers.
- 40799 ~~Three~~ axial stigma  
~~14 stamens~~  
~~4 white petals~~  
~~4 white sepals~~  
Tree of 5 meters with buds pink

~~40798~~

Cerro Santa Barbara,  
Dept. of Santa Barbara Honduras

21 June 4200 ft alt.

40800 Small tree 1 1/2 m.

40801 Tree 3 m. flowers pink.  
fruit red.

40802 Tree 4 m. Fruit black

40803 Shrub 1 m. Flowers white fruit  
yellow

40804 Sprawling, 1 m.

40805 Herb, 2 m., white flowers

40806 Thistle, pale lavender flowers.

40807 Herb, lavender flowers

40808 \_\_\_\_\_

40809 Herb, white flowers

40810 Shrub, pink flowers.

40811 Herb, mauve flower

- 40812 Vine, green flowers
- 40813 Tree, 3 m., red flowers, pink  
fruit
- 40814 Herb, white flowers, legume
- 40815 Herb, 3 m., white flowers,  
orange fruit
- 40816 Herb, corolla yellow but  
brown at center.
- 40817 Herb, lavender flowers
- 40818 Herb, 3 m., flowers white,  
fruit orange.
- 40819 Herb, 3 m., white flowers,  
cream-colored bracts.
- 40820 \_\_\_\_\_
- 40821 Herb
- 40822 Shrub, pale lavender flowers
- 40823 Herb 1 1/2 m., white flowers

40824 Orchid, yellow flower

40825 Vine, red flowers

~~40826~~ <sup>Epiphyte</sup> Herb, blue flowers

40827 Upright herb, red flowers

40828 —————

40829 Shrub, 2 m., white flowers

40830 Brassica, flowers white

40831 Upright herb, 3 m., white  
flowers, cream-colored bracts

40832 Herb, 3 m., flowers pink

40833 Vine, orange flowers

40834 Vanilla

40835 Tree 3 m. yellow flowers.

40836 Piper 6 m. ?

- 40837 Tree, 3 m, white flowers  
40838 " " " "  
40839 " " " "  
40840 Costus, flowers orange  
40841 Tree, 3 m, flowers white  
40842 Begonia, climbing  
40843 Upright herb, corolla  
white, calyx red, stigma  
40844 Tree, 4 m., flowers whitish  
fruit pink.  
40845 Upright herb, white flowers  
40846 —————  
40847 Herb, white flowers  
40848 Herb, yellow flowers  
40849 ~~Herb~~, white flowers



40850

40851 Herb, blue flowers

40852 Herb, white flowers

40853 Herb, 1 m., white flowers

Mountain above ~~San~~  
Las Vegas, Santa Barbara  
alt. 3500 ft alt  
9/1 Jun

40854 Shrub of 1 meter with red  
flowers, very abundant

40855

40856 Shrub of 1 meter with white  
flowers and red fruit.

40857 Herb of 1 meter with white  
spathe

40858 Climbing begonia

40859 Shrub of 1 meter, flowers white

- 40860 Vine with red flowers  
 40861 Shrub with lilac flowers

Near Lake Yojoa,  
 Catey, Honduras

21 June 1940  
 40862 Begonia

~~40863~~ 20<sup>th</sup> June same

40901 William H. Clawson, Jr.  
 40862 Heliconia Collinsiana

- 40863 Heliconia, new species.  
 40864 Heliconia humilis, ~~flowers~~  
 fruit blue  
 40865 Cinnamon

40866 Musa coccinea

40867 Renealmia aromatica  
 fruit red, flowers orange, flower  
~~stems~~ stalks short and basal

40868 Musa

Comaguagua,  
Jardines, ~~Comaguagua~~,  
~~Sigatopee~~, Honduras

- 40869 A shrub of 2 meters with white flowers
- 40870 A tree of 5 meters with green fruit
- 40871 A tree of 5 meters with green flowers
- 40872 A tree of 8 meters with red fruit, black seed
- 40873 A tree of 2 meters with lavender flowers and black fruit
- 40874 Shrub of 1 meter with white flowers
- 40875 Epiphyte with white fruit.
- 40876 An orchid with dark purple flowers and leaves.
- 40877 Tree of 3 meters with black fruit

- 40878 Tree of 5 meters with  
cream colored flowers  
green fruit  
red seed  
very milky juice
- 40879 Orchid - green flowers
- 40880 Orchid - cream colored flowers,  
Epiphyte
- 40881 Small shrub, 1 meter; yellow  
flowers
- 40882 Vine with yellow flowers
- 40883 Vine with orange flowers
- 40884
- 40885
- 40886

40887 used.

~~On the road to~~ the mountains  
near Santa Lucia, P.R., Hond.

25 June 1970

Margaret Neeble, Pedro Antonio Ramirez  
Darlene Ertha & Martin Smith

- Nyct. 40888 Herb with pink flowers  
Nyctagiroceae
- Verben 40889 shrub with lavender fls.
- Nyct. 40890 Herb with red fls.
- Lamiac 91 Herb with blue fls.
- Amoryll 92 " " white fls.
- Scroph 93 Vine with lilac fls.
- Lamiac 94 Herb with lilac fls.
- Aster 95 " " white fls.
- Melast 96 Shrub of 2m fls white.
- Verben 97 Shrub with orange fls.
- Solanac. 98 Herb with light lilac fls.



- 40899 Shrub 7 8 in fls blue  
 40900 Shrub with white fls.  
 40901 used

Open woodland near San Antonio Flores,  
~~Huacapistlan, Oaxaca~~  
 28 Jun 1970

- 40902 Tree 9 6m with white  
 flowers + black fruit. 4  
 40903 Shrub of 3m fls white 4  
 40904 Vine with greenish yellow fls  
 3 sap milky

Hillside near beach  
 at Acapulco, Oaxaca  
 28 Jun 1970

40905



Mountain valley near  
Chimaltenango, Chimaltenango,  
Guatemala.

30 June 1970

- 40906 shrub of 2m with orange fls. 4  
40907 Tree of 4m. 3  
40908 flowers blue. 4  
40909  
40910  
40911 *Turkey* sepals pink, buds 4  
40912 shrub of 1 m fls  $\frac{1}{2}$  red 3  
40913 shrub of 1 m fls blue. 4  
40914 shrub of 1 m fls red. 2  
Solola  
40915 An herb with red flowers  
4  
40916 Herb with white flowers  
Solanaceae 3  
40917 Cyperaceae

40918 An upright herb with yellow flowers  
Lythralia fascicularis

40919 Selaginella Bf

40920 Mimosa-like  
subshrub with pink flowers

40921 Lamiaceae, an herb with flowers blue

40922

Chichicasteñango, Chichic  
Itz'at.

July 1970

40923 Hypoxidaceae  
herb with yellow flowers

40924 Ammiaceae inflorescence blue,  
bracts white at base.

40925 A mint with basal leaves

40926 An herb with blue flowers  
→ Commolinaceae.

- 40928 An herb with blue flowers  
 ↑ ↓  
 40928 Herb with white flowers 4

Borraginaceae

Mountain canyon near Oetzaltepego  
 July 1970

- 40929 Herb with orange flowers  
 Scopolariaceae 1

- 40930 Herb with blue flowers 4  
 Borraginaceae

- 40931 Herb with yellow flowers 3

- 40932 Herb with yellow flowers  
 Scopolariaceae 2

- 40933 Herb with orange flowers 3

- 40934 Begonia 3

- 40935 Gubiaceae, herb with white  
 flowers

- 40936 Herb with whitish flowers  
 Lamiaceae

mountainside  
Near Totonicoapan Totonicoapan

2 July 1970

40937 An herb with blue flowers

2

40938 *Aquilegia*, flowers sep  
and yellow

3

40939 ~~Area~~ *Amniaceae* ✓  
flowers blue

Mountain valley near Huehuetenango  
Huehuetenango 1 July 1970

40940 Upright herb with yellow  
flowers

*Onagraceae*

3

40941 An herb with yellow  
flowers

40942 An herb with blue  
inflorescence

~~Amniaceae~~

(4)

40943 Upright herb with yellow  
flowers *Pyrenaceae*

- 40944 An herb with yellow  
flowers, *Umbelliferae* 3
- 40945 Shrub of 1 meter with  
yellow flowers. ✓
- 40946 *Asteraceae*, flowers 4  
white, plant gummy ✓
- 40947 A prostrate herb with  
yellow flowers. 2
- 40948 An upright herb with white  
flowers *Asteraceae* 4  

---

Same
- 40949 *Malvaceae* herb  
with lavender pink flowers 4 ✓



Carretera a San Cristobal  
de las Casas.

2-July-1970

40950 - Herb with  
blue flowers.  
Boraginaceae

40953 med.  
4 -1







Forest on mountainside, Rem, Atlántida,  
 Haduraz  
 1 May 1970

- 5740 Tree of 4 meters, fruit green  
 2 " " 3 " ; flowers white, fruit purple  
 3 " " 2 " ; flowers white  
 4 " " 2 " ; flowers cream-colored  
 5 " " 3 " ; " white  
 6 Herb with red bracts & flowers  
 7 Tree of 4 meters with orange fruits  
 8 Vine with yellow flowers  
 9 Vine " blue "

Forested valley near San Francisco,  
 Atlántida, Haduraz.  
 2 May 1970

- 5216  
 5150 Herb with lilac flowers <sup>Futtreaceae</sup>  
 1 Tree of 2 meters flowers <sup>Futtreaceae</sup>  
 2 Herb with blue flowers <sup>Scrophulariaceae</sup>  
 3 " " lilac " <sup>Asteraceae</sup>  
 4 Tree of 3 m, fruit white  
 5 Herb with white flowers. <sup>Asteraceae</sup>  
 6 Herb with yellow flowers. <sup>Onagraceae</sup>  
 7 <sup>Poaceae</sup>  
 8 Herb with white flowers. <sup>Glomerales</sup>  
 9 Shrub of 1 m flowers white

Fostered valley near San Francisco  
Atlántida of Honduras  
2 May 1970.

- 5160 ~~5760~~ Tree 3m flowers white  
1 Tree of 8 meters, fruit green.  
2 Tree of 2 " , flowers yellow  
3 Herb of 1 " , flowers white.  
4 Vine with white flowers.  
5 Herb with yellow flowers Onagraceae  
6 " " " " "  
7 " " white " Compositae  
8 " " green "  
9 " " white "  
5170 " of 2m with yellow flowers Asteraceae

Fostered ~~mountain~~ Monte Ituneso,  
Antigua Copán, Copán, Hond.

- 5171 — Hellecho  
2 — Aracea.  
3 - Tree of 5 meters with  
green fruits.  
4 - Aracea.  
5 - Tree of 4 meters with  
green fruits and white flowers.  
6 - Tree of 4 meters with green fruits.  
7 - Tree of 5 meters with green fruits.  
8 - Tree of 5 meters with green fruits.

9 Parasito

5180 Parasito

5181 Arceea with flowers lila.

5182 tree of 2 meters with white flowers.

5183 Hierba con inflorescencia roja.

GLC 5184 Shrub with green flowers.

MHA 5185 Solanacea with white flowers.

MHA 5186 tree of 2 meters with ~~red~~ flowers ~~and~~

5187 Lamiaceae with blue flowers.

5188 tree of 2 meters.

5189 Herb with flowers yellows.

5190

5191 Shrub with

5192 herb with flowers lila.

5193 Pasto.

5194. <sup>Fig</sup> Tree of 6 meters with fruits.

5195 Ficus. Tree of 5 meters with <sup>cafe</sup> fruits yellow y. cream.

5196 Shrub with white flowers and green fruits. Solanaceae

5197 Tree of 5 meters with flowers blue and green fruits.

5198 bis (2)

5199 Orquidea.

MHA 5200 Shrub with flowers red.

MHA 5201 Tree of 4 meters with yellow flowers.

and bis is black.

- 5202 Tree of 3 meters with black fruits.
- 5203 ~~vine~~ Vine with fruits red.
- 5204 Tree of ten (20) meters with black fruits.
5205. Orquidea with yellow flowers.
- 5206 Orquidea with yellow flowers and ~~long~~ white lip.
- 5207 Shrub with yellow flowers.
5208. ~~herb~~ Shrub with yellow flowers.
- 5209 Shrub of 3 meters with flowers cream.
- 5210 Shrub of 3 meters ~~with fruit green~~ with flowers white.
- 5211 Shrub of 2 meters with flowers pink.
- 5212 Tree of 3 meters.
- 5213 shrub of 2 meters with white flowers.
- 5214 Herb of 4 meters with blue flowers.
- 5215 Tree of 3 meter with espigas white.

5216 see before 150



8

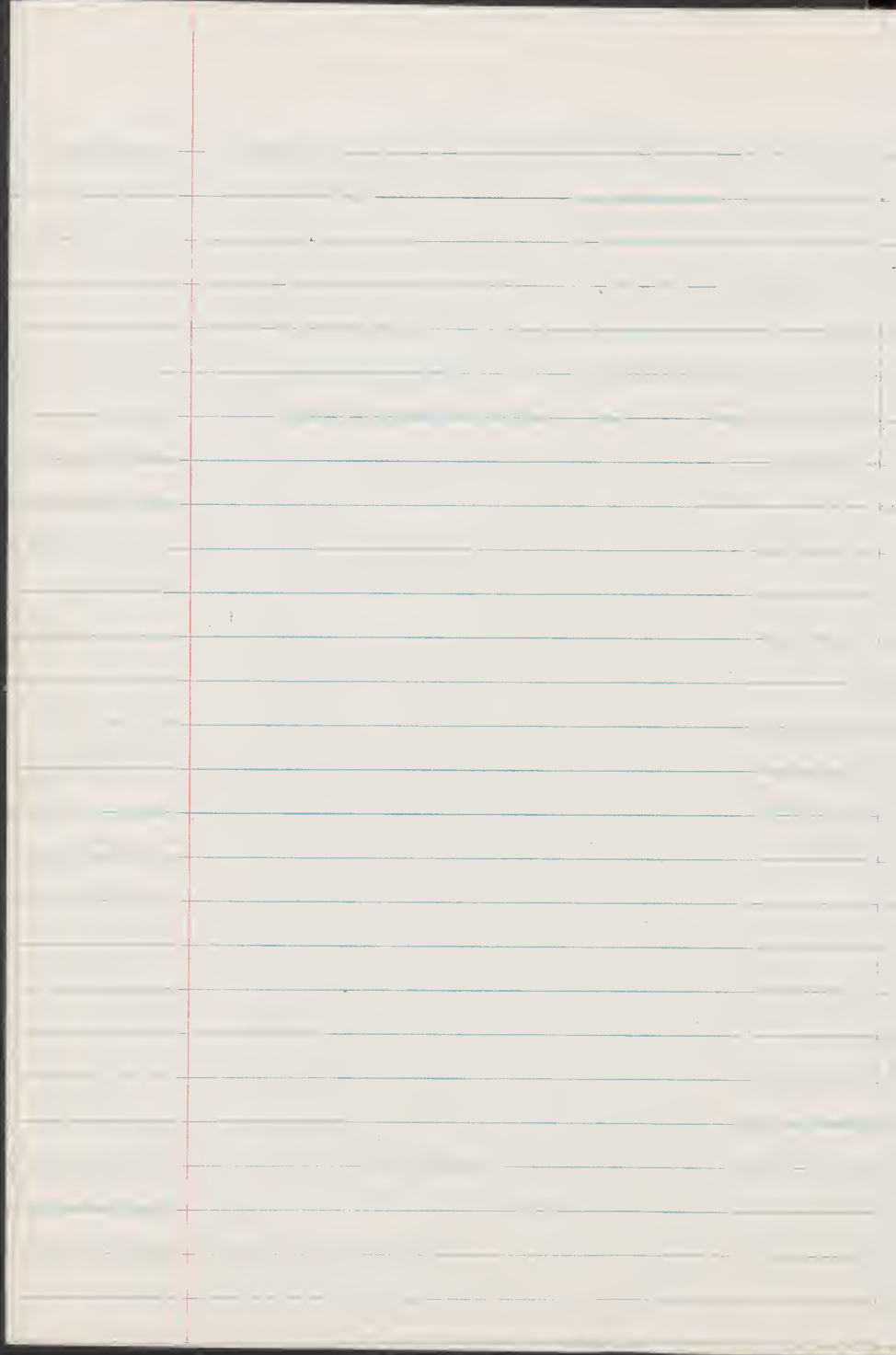
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5

2

6

3



6 yr  
6 yr.  
4 yr.  
1 yr

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Honduras

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Jorge Fidel Duron

re Sec. D.

Mr. Wm. W. Plowden Jr.  
Hotel Bolívar  
San Pedro Sula  
Honduras.

Guerra.

