

A. S. Hitchcock  
USDA.

1923

20321-20905

Canada

38

20321 Compositae  
3-5 ft fls yellow

*Muhlenbergia diversiglumis*  
20322 Muhlenbergia  
along cut of R

20323 Acanthaceae  
herb 3-5 ft fls scarlet

20324

~~20324~~

3 ft

Labiata in fruit

20325

same

*Dioscorea*  
leaves all withered

11

20326

Along cut of B

*Pteridium crinitum*

*Pteridium*

*Adiantum concinnum*  
H. & B.

20327

along cut

Fern

20328

slope of hill

*Andropogon saccharoides parvispicula*

*Andropogon saccharoides*

*Heteropogon melanocarpus*

20329

Annual, culms mostly single  
slope of hill

*Heteropogon*

20330 Castilleja?  
fls scarlet

20331 ~~Spergularia~~  
fls scarlet

20332 Clematis  
woolly vine in fruit

20333 ~~Myrica~~  
fls Slaps - bracts in fruit

20334 Compositae  
Herb 3-5 ft fls yellow

20335 Mallow  
fls Salmon-pink

20336 *Croton*  
Small tree or shrub 8-20ft

20337 *Splachnum*  
Herb, branches slender and  
vine-like, fls yellow

20338 —  
Tree or shrub 6-20ft  
(collected on Guaymas)

III

20339 *Pellaea flexuosa* (Cav.)  
Lindb  
Fern  
Rocky cut

20340 *Euphorbia hypericifolia*  
Open ground, leaves with dark  
spot

— *Paspalum racemosum*  
20341 *Paspalum (condidum)*

20342 Eupatorium  
Stems 6-8 ft fls  
white

20343 Compositae  
Stems 10-15 ft fls brownish

*Melica rosea*  
20344 Melica  
Dry slope among shrubs

20345 Ballon vine  
Vine fls white

20346 Compositae  
Stems 10 ft fls white

20347 Promethium-Telmateia  
Climber fls blue

20348 Composite (Senecoid) <sup>111</sup>  
Half shrub - fls orange

20349 *Polygonum interruptum*  
*Polygonum*  
Perennial - bog

20350 *Polygonum elongatum*  
*Aquatic*  
Bog

20351 *Kyllinga* ?  
Perennial - mud flat - Bog

20352 *Utricularia*  
Bog

*Pennisetum tristachyum* ||  
20353 *Penniselin*  
Rock slope. too old

*Notholaema sinuata* (Sw.) Kaulf.

20354

Fern  
Rocky cliff

20355

Mikania  
Vine - all upper part woody -  
leaves fls white

20356

Cissus  
Climbing over rocks and along  
the ground

111

20357

Solanum (sp.)

20358

Acacia  
Common on the slopes  
leaves 2-4 ft or even 5 ft.  
mostly 4-6 in wide, Infls 10-15 ft.

20359

Compositae  
Stems 8-15 ft  
fls yellow  
leaves white-tomentose  
woody

111



*Cenchrus echinatus*

20360

*Cenchrus echinatus*

*Chaetochloa tenua* 3 4

20361

*Chaetochloa*

In thickets of bushes on slope  
Base decumbent & staminate

*Lasiacis sorghoides* 1

20362

*Lasiacis*

20363

*Eupatorium*  
Shrub - 10 ft - fls blue

20364

Mallow

20365

*Labiata*  
Half shrub - branches fuzzy +  
straggling - up to 10 ft. fls  
bluish

20366

3-5' *Compositae*  
fls yellow

20367

*Lupinus*  
Climbing vine - fls salmon-  
orange

20368

Stems *Salvia?*  
left fls blue

20369

*Compositae*  
Herb 2-3 ft stem up to  
12 ft

20370

*Urticaceae*  
tree 30 ft Rocky slope  
in moist place

20371

*Physalis*  
fls blue

20372

Mallow  
6 ft shrubby vs  
orange-yellow

20373

Bauhinia  
= 3/2 ?

20374

Impatiens  
Half shrub. fls white

20375

Labiata  
Half shrub - 6 ft fls white

*Lasiacis sorghoidea*

20376

Lasiacis

20377

Baccharis  
Rusty & shrubby most  
small tree or shrub - <sup>juice</sup> ~~fruit~~  
even in trunk, orange. up to  
20 ft.

*Adiantum concinnum* H. or B.

20378

Fern  
Rusty moss slope at  
shrub

20379

Cyperus  
Stony stream 1 ft with stems at  
upper part. Fls orange  
yellow tinged with brown

20380

Rumex  
shrub - stem purple, branched  
3 ft.

20381

Crotalaria  
7 ft. fls yellow

*Sporobolus indicus*

20382

Sporobolus elongatus

20383

Conyza  
shrub 8-15 ft. fls  
blue

20384

Bay *Compositae*

20385

*Myrsine*  
Shrub 8-15 ft fls white

20386

*Croton*  
Small tree or shrub.  
15 ft

20387

*Croton*  
Shrub or small tree 15 ft

20388

*Legume* 11  
Small tree, 20 ft mostly  
fruit. common

20389

*Compositae*  
5 ft fls changing yellow

20390

*Cuscutaria*

Shrub 10 ft. fls blue  
(all leaves with purple)

20391

*Piper*

Shrub 6 ft

20392

*Nitida*

Shrub 8-15 ft

20393

*Myrica?*

Fl. floating on water in  
bay

20394

*Hydrocotyle*  
fls white

Bay

20395

*Eleocharis*

Bay

20396

Small tree in bog

20397

*Cuscuta* ?

Bog

20398

*Calceolaria*

Bog

fls pale yellow

*Muhlenbergia microperma*

20399

*Muhlenbergia*

20400

*Compositae*

3 ft

fls

orange-yellow

20401

*Limnium*

Floating on water

of bog

~~20401~~ ~~Very~~ ~~raining~~ ~~place,~~ ~~rain~~ ~~usually~~ ~~every~~ ~~day~~  
Teresita - July 5, 3 km west of  
Buenos Aires

20402

On tree trunk

20403

Piperaceae  
On tree trunk

20404

Urticaceae  
Open ground

20405

Salicaceae  
Small tree. Fls white, pendulous  
10ft ←

20406

Bromeliad III  
On tree. Bracts scarlet, fls  
scarlet below, white at apex

20407

Bromeliaceae  
On tree  
fruiting raceme  
downward



20408 *Papirionia*  
On tree trunk

20409 *Cochlidium*?  
On tree trunk

20410 *Polypodium (Campyloneurum)*  
Fern  
On tree trunk

20411 *Papirionia*  
On tree trunk

20412 *Sidynechlaena truncatula*  
(Sw.) J. Sm.  
Fern  
Terrestrial, frond 4-5 ft

20413 *Paspalum decumbens*  
Paspalum (decumbens)  
Open ground

20414

*Melastomaceae*

Tree 15 ft fls white

*Guadua*

20415

*Bambusa*

Common in woods, growing  
as much as 6 or 7 m diam  
60 ft tall. Feasting looking in  
distance look like *Pluchea* nitida  
Young shoots very stout and rather  
black pointed, sheath strongly keeled with  
black hairs so that the young shoot is dark

20416

Stems 3-4 ft fls greenish  
fruit yellowish green, 5 mm diam

20417

*Legume*

Tree with few branches, 15 ft.  
leaves a cluster in end of stem  
& branches, fls scarlet, very de-  
ciduous. on slender branches from  
top

20545

UNITED STATES DEPARTMENT OF AGRICULTURE  
GRAY HERBARIUM OF HARVARD UNIVERSITY  
NEW YORK BOTANICAL GARDEN  
EXPLORATIONS IN SOUTH AMERICA

No.

Ecuador: Province Guayas. Bucay

A. S. HITCHCOCK, Collector

July 5-7, 1923

Alt. 270 M.

Mr. ...  
tree, simple branched  
& succulent.  
deciduous.  
from lower  
part of leaves  
7 ft  
novel  
ow

UNITED STATES DEPARTMENT OF AGRICULTURE  
GRAY HERBARIUM OF HARVARD UNIVERSITY  
NEW YORK BOTANICAL GARDEN

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EXPLORATIONS IN SOUTH AMERICA

20545

Ecuador: Province Guayas. Teresita, 3 kilometers west of  
Bucay Alt. 270 M.

No.

A. S. HITCHCOCK, Collector

July 5-7, 1923

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20414

Melastomaceae

Tree 15 ft fls white

*Guadua*

20415

Banilew

Common in woods, growing  
as much as 6 or 7 m diam.  
10 ft tall. Feathery looking in  
distance like Phragmites  
Young shoots very stout and rather  
blunt pointed, sheath strongly keeled with  
black hairs so that the young shoot is dark

20416

Shrub 3-4 ft fls greenish  
fruit globose reddish green, 5 mm diam

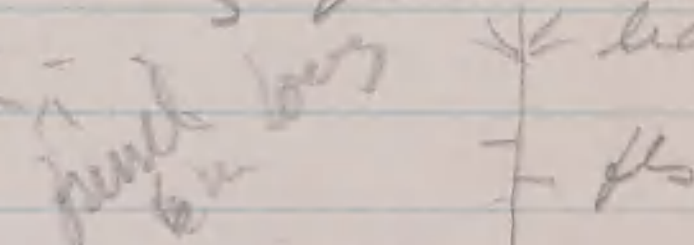
20417

Legume

Tree with few branches, 15 ft.  
leaves a cluster in each of stem  
& branches, fls scarlet, very de-  
ciduous, on slender branches from  
trunk, fruit globose, 1 seeded  
See no 545

20418

Legume

Similar to 417, tree, single trunk  
leaves a cluster at summit.  
Fls scarlet, very deciduous,  
on slender branches from lower  
part of trunk. 

20419

Compositae

4 ft fls yellow

*Echatoxgramme furcata* (L.)  
Tree.

20420

Tree  
on tree trunk

20421

*Commelina*  
Short tree stem 3-4 ft  
fls purple

20422

*Peperomia*  
On branch of tree

Kunzeana A. Br.  
*Selaginella* sp. (det. Weston)

20423

*Selaginella*  
On moist ground

20424

*Panicum polygonatum*  
*Panicum polygonatum*  
More open ground  
small plants, common

20425

*Ichnanthus axillaris*  
*Ichnanthus*  
Tangled mass of yellow  
thicket. Small plants

20426

*Compositae*

Mossy ground at edge of  
thicket. fls. white

20427

*Compositae*

Herb 8 ft. fls. yellow  
erect stem with short branches

20428

*Compositae*

Mossy ground at edge  
of thicket. fls. greenish

*Oplismenus variiflorus*

20429

*Oplismenus*

(paniculata?)  
Mossy ground at edge of thicket.  
Tangled, erect, fl. branches each  
glume 3-4 ft. long.

20430

*Compositae*

Herb branched fls. white  
6-8 ft.

20431

*Urticaceae*

Stinging nettle. 3 ft.



20432

*Lasiacis ruscifolia*  
*Lasiacis ruscifolia*  
climbing in thickets

20433

*Panicum polygonatum*  
*Panicum polygonatum*  
Open moist ground

20434

*Paspalum orbiculatum*  
*Paspalum orbiculatum*  
Low moist open ground  
a weed in field

July 6

Forest between  
house & station  
in forest along  
edge

20435

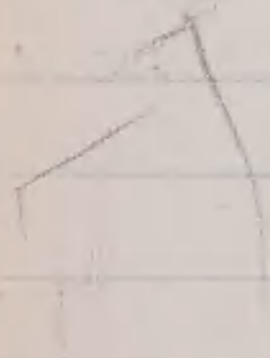
Palm

Form, trunk (up to 10 ft) left. Stem  
infr. creamy white, 1 ft, pendulous.  
leaves about 15 ft.

20436

*Illinoensis*

One small tree. Infr. 3 ft



20437

*Lasiacis oaxacensis*

*Lasiacis oaxacensis*  
In forest

20438

*Lasiacis ligulata*  
*Lasiacis (ligulata?)*

In fruit

20439

*Polypodium loricatum* L.?

From

On tree

20440

Araceae II

Terrestrial, much branched  
fls white, petiole 2-3 ft

20441

Orchid

On tree branch

20442

Compositae III

High climbing herb vine  
bracts 3, disk yellow rays  
red

20443

Gramineae?

Slender, up 4 kg several  
fls greenish yellow with dark  
purple streaks, blades with  
concolorous color along midrib  
& veins beneath

3 ft

20444

Melastoma <sup>corolla</sup>  
shrub 6-8 ft. fls. white  
calyx pink

*Schnanthus pallens*

20445

*Schnanthus*  
Forest - narrower than  
than at mt. but probably  
same in shade

*Schnanthus pallens*

20446

*Schnanthus*  
Edge of forest in open

20447

*Solanum*  
shrub, single stem fls. white

20448

*Solanum*  
About 4 ft fls. cream

20449

*Rubiacae*?  
Shrub in fruit 4-8 ft, fruit  
(unripe) dark green

20450 *Arund* 111  
Erad from succulent base

20451 *Heteropogon*  
Slender grasses

20452 *Asplenium serratum* L.  
Tree

20453 *Scleranthus*  
Tern, Petals 3-lobed, disc  
2-4 ft from ground. fls  
creamy - 1 petal pink

20454 *Piperaceae*  
Climber on tree  
leaves thin - oval oblong to oval

20455 *Eschatogramme furcata* (L.)  
Tree

20456 Begonia  
climbing high woody  
fruit only

20457 *Asplenium auritum* Swartz  
on tree

20458 Piperomia  
on branch of tree  
black crevices on shore over

20459 Piperomia <sup>B</sup>  
on branch of tree  
same as 4548

20460 Rubiac <sup>?</sup>  
shrub 3 ft fls white

20461 Gesneriac  
shrub 3-6 ft fls pale  
yellow bracts or calyx orange  
red. lip of black red brown

*Polypodium fraxinifolium* Jacq.  
(sens. lat.)

20462

*Ternstroemia*

on tree

||

*Polypodium piloselloides* L.

20465

*Ternstroemia*

on tree branch

20463

*Ipomoea*

Shrub 5 ft fls reddish  
yellow

20466

*Sida acuta*

Shrub with thin leaves  
spiral bracts, fls  
orange red

20464

*Ipomoea*

Vine in open ground along  
clearing

*Panicum pilosum*

20467

*Panicum pilosum*

*Ichnanthus axillaris*

20468

*Ichnanthus*

Open ground at edge of  
field, low-growing  
seeds different from 446  
but may be same

20469

*Acanthaceae*

Weed along road by field

*Axonopus scoparius*

20470

*Axonopus*

Called gamagrass, found  
perhaps planted by man,  
abundant in pasture  
inflores branched,  
Plant leafy,  
Common & indigenous

20471

*Euphorbia*

Open ground

*Chaetochloa geniculata*

20472

*Chaetochloa geniculata*

Open ground

20473

*Aster*

Fls yellow Open ground

20474 *Hydrocotyle*  
moist open place

20475 *Malabaricum*  
small tree 20 ft. fls. pink  
thru long

20476 *Scitaminea*  
up to 22 ft. dupl. of fl. green  
ground fls. pale yellow

20477  
Shrub 3 ft. June 8/1952

20478 *Melastoma*  
Shrub 5 ft.

20479 *neptrolepis pendula* (Raddi)  
J. Sm.  
tree



20480

Vine

Leaves (Desmodium-like)  
fls white

20481

Shrub

6-8 ft fls white

20482

Scandansium

Leaves glaucous  
Calyx red corolla white  
aromatic

20483

Vine 20 ft

fruit orange to red

20484

Flower of fern

*Selaginella* sp. (det. Austin)  
*Selaginella*  
bryoides Spring

fruit

20485

Orchid

on tree

20486 *Acumina?*  
shrub on floor of forest

20487 *Ordanid* 1  
*Serradonac* 3 ft

20488 *Procid*  
*aculeiscent*

20489 *Ordanid*

20490  
very woolly fls greenish  
white

20491 *Ordanid*  
of 450

20492 Verbenaceae?  
Shrub 6-10 ft fls  
purplish-blue

20493 Apocynaceae  
Woody stem, high climbing  
fls yellow with brown  
streaks, calyx green,  
pedicels & leaf edges purplish

20494 Compositae  
Shrub wide-spreading  
heads yellow

20495 Apocynaceae  
Woody stem high climbing  
fls, pedicels, corolla green  
Traccium  
on the outside, dark purplish blue  
on inside

20496 Piperaceae?  
Low moist place

20497 Solanaceae  
Shrub wide-spreading  
10 ft fls white

20498

*Lycopodium*  
High climbing woody vine  
Climbing & branched with  
dark red or orange all red

*Imperata contracta*

20499

*Imperata contracta*  
Climbing in forest

20500

*Compositae*  
Shrub wide-spreading  
6-10 ft fls yellow  
leaves white tomentose beneath

20501

*Desmodium?*  
2-3 ft fls scarlet-  
nose

20502

*Verbena?*  
Shrub 6-8 ft fls  
nocturnal dark blue

20503

*Lobelia*  
Moist open ground  
Creeping rooting in mats  
fls blue-lilac

20504

Compositae 1

3 ft

fls yellow  
(same as some pre-  
ceding number?)

4/9

one

20505

Orizoma

high climbing  
fls white

July 7

Road through forest  
and along by side of  
stream

20506

Piper

Herb. vine 3 ft - large round leaves

20507

Mallotus

Herb. vine, 3 ft fls yellow

20508

Ruellia?

Herb vine fls scarlet

20509

Legume

Herb vine fls yellow

20510 Guava  
Along by small tree fr. white

20511 Conocarpus  
Tall shrub, a much  
lustrous, 8-15 ft fr. white

20512 Ditassa  
8 ft leaves & small fruit  
common

20513 Papaya  
Single stem 8 ft, leaves in clusters  
at summit fruit ovoid, scarlet

20514 Rylance  
Shrub 5 ft fruit globose,  
somewhat depressed, orange

20515 Wikaya  
Vine, appearance lustrous  
fr. white, no leaves on the  
part accessible.

20516

*Lythrum* fls white  
In *Stenactis* with a strong  
purple, slender, in water parts  
purple or blue

20517

*Hemerocallis sagittata*  
*Hemerocallis sagittata*  
Common along river

20518

*Cyathea*  
In *Stenactis*, decapetal

20519

*Arctostaphylos*  
In *Stenactis* fls white

20520

*Grass*  
fls white

20521

*Adiantum scoparium*  
*Adiantum*  
Large compound leaves

20522 *Dryopteris oligophylla* var. *aequatorialis* C. Chr.

Fern  
Gumbria

*Saxifraga ligulata*

20523 Lancel (Lepidocarpus)  
Chamberling - mud bank  
pools small aroid

*Saxifraga ruscifolia*

20524 Lancel (ruscifolia)

20525

Aroid  
acauliscent or nearly so

20526

Aroid  
many acauliscent

20527

Compositae  
herb on tree 20 ft fls white  
up to



20528

*Aspid*  
Climber

20529

*Nephrolepis bicolorata* (Sw.) Schott.  
fern (The Gray Herb. sheet reported as *Polypodium* sp., indicates a mixture.

20530

*Grammaea*  
Stems 6 ft fls on bare stem

20531

*Mentzelia*  
Stems 4-8 ft fls rose

20532

*Pachnema*  
Stems 4 ft.

20533

Tree, or stems 15 ft fls white

*Isachne arundinacea*

20534

*Isachne*

Claytonia + branched  
in forest

*Panicum schiffneri*

20535

*Panicum (peruvicum)*

Claytonia + branched  
in forest

*Panicum pulchellum*

20536

*Panicum pulchellum*

In open place along bank  
in forest

20537

*Bambusa*

Claytonia

*Chaetochloa sulcata*

20538

*Chaetochloa (effusa)*

Edge of forest 6 ft

Forest to beach, July 7. Road down

20539

*Ipomoea*

Vine probably moved into  
park from adjacent herbaceous  
forest

20540

Rubus  
shrub 6 ft. fls. white  
forming pubescent. fruit black

20541

Scleranthus  
fruit a basal glume 1 face  
scarlet

20542

Heliconia  
15 ft. bracts 3 ft long 1 1/2 in  
wide, bracts scarlet  
above 10 in cluster

20543

Scleranthus  
12-15 ft. leaves in 4 rows  
fls 4 in long pale lilac or white  
tinged with lilac

20544

Bursera?  
shrub 8 ft fls scarlet

20545

Legume  
fruit 3 x 17

20546

Diplazium sp.

Fern  
Woods  
10 ft

20547

Diplazium sp.

Fern  
Woods 6 ft

20548

Cucurbit  
Woods

20549

Cucurbit  
Woods

20550

Symplocos?  
Succulent (succulent) of moist  
rock. fls white

20551

Woods vine climbing high  
fls 3-angled or round thick wings

20552

Same as 551 /  
but more malum frond

20553

Aroid /  
Very long hairs, 5 ft  
spike white

20554

Rubiac? /  
Shrub 10-15 ft  
fls yellow fruit scarlet

Chobo-Plantacion Parigon

July 11 - 8 miles south of Miraflores  
20555 *Axonopus scoparius* /  
Being listed by Mr. Rorer as a  
forage plant. Came from  
Colombia

*Gynerium sagittatum*

20556

*Gynerium sagittatum*  
Common along river. ♀  
Called "Caña verde"

20557

Legume  
Herb stem - In cut over land  
fls blue

20558 *Guazuma ulmifolia* Lam.  
Tree 40 ft. fls yellowish  
green "Guasmo" fruit  
partly hard

*Eriochloa punctata* (H)  
20559 *Eriochloa*  
smooth nodes

*Imperata contracta* 1  
20560 *Imperata*  
Common and a bad  
weed.

20561  
Tree - 30 ft.  
fruiting the wood "neguito"  
a soft easily worked wood  
for inside timbers and frame work  
of houses. The trunk is mostly  
straight & excurrent. fls white

*Eriochloa polystachya*  
20562 *Eriochloa*  
Common along river  
and in rustic low land.  
Leaves like Para but green, called  
famoso like morado. Cult. as  
purple grass. May be  
*E. polystachya*. Roots purple.

*Sporobolus*  
20563  
Dark red, fls rose-purple

20564

*Impatiens*

3-4 ft herb fls white  
in old field

*Hackelia granulata*

20565

*Rhynchospora*

in old field

*Andropogon brevifolius*

20566

*Andropogon brevifolius*

Along edge of field, large  
masses

20567

Tree 30 ft. fls ~~white~~  
yellowish green. Called "Jobo"

*Lasiacis saxacensis*

20568

*Lasiacis saxacensis*

*Lasiacis ruscifolia*

20569

*Lasiacis ruscifolia*

*Eragrostis glomerata*

20570 *Eragrostis (glomerata)*  
Annual. Leafy bunch of 8-10 stems  
4 ft.

*Panicum megistum*

20571 *Panicum megistum*  
Damp place

20572

*Piper*  
Shrub 6-10 ft

*Oplismenus hirtellus*

20573 *Oplismenus hirtellus*  
Edge of woods

20574

*Solanum*  
Straggling rather delicate herb.  
fls white. Stems up to 6 ft,  
here low

20575

*Cucurbit*  
Herbaceous fls white



20576

*Lasiacis ruscifolia*  
*Lasiacis ruscifolia* 1

20577

*Arundo donax*  
*Phragmites*?  
In ~~water~~ flower  
called "cariza"

20578

Compositae  
In old field

20579

*Eichornia*  
Herb life on water, hyacinth  
fls white, upper petal with  
blue patch at base and a orange  
yellow spot at top of blue.  
In water

20580

*Panicum hirsutum*  
*Panicum hirsutum*  
Large clump in moist place

20581

*Chaetochloa vulpiscia*  
*Chaetochloa vulpiscia*  
Among ~~synonym~~ & ~~stomach~~

July 13

20582

*Musa*

Used as a shade for coffee <sup>avenues</sup>  
fls white also milk

"Guabo de Bejuco"

long slender fruits

20583

Tree 30 ft fls green

"Sapou de Paloma"

20584

*Lasiacis ruscifolia*

*Lasiacis (ruscifolia)*

near the open pasture & small ~~fls~~

*Guadua*

20585

*Bambusa*

The common large bamboo  
spec. shows the riprous leaves &  
young shoots.

20586

*Compositae*

Herb 5 ft fls yellow

20587

*Smilax*

Waxy vine.

20588

Clitoria

herb vine, fls rose purple

20589

Sapindaceae

wand vine fls white

20590

Sporobolus

herb vine fls rose purple

20591

Erythrina

used as shade for cacao

"Palo prieto"

fls - standard  
salmon-yellow - wings  
red on upper half - keel  
very pale yellow mixed  
with red.

tree up to 40 ft. trunk & branches with thorn  
prickles.

20592

Solanum

shrub 8 ft fls white

20593

Apocynaceae

vine, flowering part (at least) her-  
baceous. fls yellow

20594

*Jatropha*  
Physic Nut "Pinoon"  
Used for lime lime parts -  
dry land (will not endure  
water)

20595

*Apocynum*  
herb vine for white

*Cenchrus viridis*

20596

*Cenchrus viridis*  
Annual, 2 ft long clumps  
Sheath Keelid

20597

*Crotalaria*  
Common in sandy land, dry  
run channel. fls yellow

*Axonopus scoparius*

20598

*Axonopus*  
Succulent. Runners as much  
as 12 ft formed on new soil  
along river.

20599

*Pasp conjugatum*  
Forming long slender runners  
as much as 4 ft along river  
on new soil.

20600 *Cynoglossus*  
Herb vine in cedar over laurel  
fls yellow

*Panicum hirsutum*  
20601 *Panicum hirsutum*  
moist place

20602 *Pennisetum*  
Among brush old herbs

---

Chingra - July 16. along hill north of town  
on brushy slope

20603 *Cissampelos*  
Herb vine thickly among brush near  
waterfall

20604 *Cissampelos*  
ditto

*Adiantum concinnum* H. & B.  
20605 Fern  
Rocky bank.

20606 *Sida*  
Shady bank

20607 *Lasiacis sorghoidea*  
Among stones

20608 *Chaetochloa geniculata*  
Slender & branched, leafless,  
among stones, perennial.

*Syntherisma equadorensis*

20609 *Valeriana?*  
Among stones - like the tail lamp  
plant.

20610 *Stipa mucronata*  
Dry hill

20611 *Amaranthid* 111  
Dry slope - fl. rose - salmon eyes  
green lobes with white margins  
bulbs

20612 *Polydum*  
fls purple. 3 ft

111

20615 *Desmodium*  
Long straggling vine-like fls rose  
to blue or purplish.

20613 *Eragrostis pilosa*  
leaves like *E. pilosa*

11

*Andropogon sacharoides perforatus*  
20616 *Mikrop* (see above)

20614 *Compositae*  
fls very purple

20617 *Compositae*  
Stems 3 ft fls yellowish

20618 *Impatiens*  
Herb vine fls yellow, with  
orange veins, with 2 large  
petals

20619 *Rubiac*  
Low shrub 1 ft fls white

20620 *Melastom*  
Herb 4 ft fls

*Heteropogon melanocarpus*  
20621 *Heteropogon*  
with fruit - probably same  
as 329

20622 *Polygala*  
fls white

20623 *Euphorbia*  
Armed, some plants with hard  
woody base, others delicate



20624 *Conyza*  
Stems 2-4 ft, fls non-margined

20625 *Bambusa*  
Stems, 4-10 ft fls non-seccat

*Andropogon hirtiflorus*  
20626 *Andropogon* (enormous)  
large meadows on dry slope

*Trinichloa stipoides*  
20627 *Andropogon*  
large meadows on dry slope

*Heteropogon contortus*  
20628 *Heteropogon contortus*  
dry slope

*Bouteloua disticha*  
20629 *Bouteloua disticha*  
dry slope

20630

Compositae  
3-6 ft fls yellow.

1

20631

Panicum  
from scrub in woods  
fls brilliant scarlet

20632

Compositae  
3-6 ft fls yellow

20633

Prostrata  
dry slope. Long stems of  
leaves at base. Infls. over 3-6 ft  
Infl. bracts & calyx scarlet, corolla  
white.

20634

Compositae  
somewhat shrubby, much branched  
3-6 ft fls yellow

*Pteris crinita*

20635

*Pteris*  
shady bank, common

July 17

Along to ~~Nawacajapata~~ along Ry.

20636 *Passiflora*

Very high. Corolla blue, filaments  
of crown cross barbed with blue  
& purple.

20637 *Convolvul*

Dry vine fls white from  
very young spurs rather like  
lanceolate lanceolate but found near  
moist slope near Nawacajapata

20638

*Convolvul*

Dry bank, fls yellow  
bark soft

20639

*Begonia*

Wet cliff - Nawacajapata fls  
white, fruit covered scarcely above  
soil,

20640

*Begonia*

Probably same as 2035

20641

*Convolvul*

Rolby cliff fls blue-purple

20642

Legume

Stems of previous no. with fls  
only (the one with a stem 1 foot high)

*Tripsacum dactyloides*

20643

Tripsacum

(Lanceolate or dactyloides)  
Large bunches 4 ft. partly  
shaded slope.

20644

Fungus on 643

*Claviceps tripsacii* Stev. & Hall.  
Diehl's letter April  
9, 1924.

20645

Euphorbiae?

111

tree or shrub 10-15 ft fls (stipules?)  
purple.

20646

Legume

woody (?) vine. Infl. pendulous  
fls orange yellow, stamens  
wings white with purple

20647

Cyath.

Woolly leaf

1

20648

*Scroph?*

cliff & dry banks. fls red  
tinged with orange

20649

*Eupatorium*

straggling herb 3 ft fls  
blue-purple

20650

*Myrtaceae*

2-3 ft herb, fls pale purple

20651

*Eupatorium*

herb 4-6 ft fls greenish  
yellow

*Paspalum saccharoides*

20652

*Pasp. saccharoides*

near bank.

*Andropogon saccharoides parvispicula* f

20653

*Androp. (saccharoides)*

stone banks - probably same as  
but not so pubescent

*Chaetochloa tenax?*

20654

*Chaetochloa (glabra)*

Stony bank among clumps in  
moist place

*Andropogon saccharoides perforatus*

20655

*Andropog.*

Stony bank, panicle brown  
the branches spreading, seems differ-  
ent from 253

*Paspalum humboldtianum*

20656

*Pasp. humboldtianum*

Stony slope among clumps  
mostly too old

20657

*Solanum?*

Herb 3-8 ft fls pale yellow or  
creamy, greenish on outside  
Stems & petioles & densely covered  
with very prickly hairs. Fls not open  
in forenoon.

20658

*Euphorbia?*

Along track

*Pennisetum icetium*

20659

*Pennisetum (glabrum)*

Stony bank, heads brown-  
purple.

*Andropogon saccharoides laguroides*

20660

Andropog. (Cyperaceae)  
wavy

Dry slope

*Aristida adscensionis*

20661

Aristida  
Annual

20662

Clusia  
Pls of a preceding no.  
Pls scarce, fruiting season

20663

Lignum (Euphorbia?)  
Small tree 10-20 ft. Gray hills  
Pls scarce, no leaves  
branches <sup>of trunk</sup> with small prickles

20664

Bauhinia?  
Small rounded tree or shrub 5-10 ft -  
Pls more - scarce (pale non falling  
to dark wood)

20665

Euphorbia  
Prostrate mat along Ry

20666

*Begonia*  
Prostrate fls to 10 with 6-8 in

20667

Stem 6-8 ft fls  
yellow-green

20668

*Pennisetum peruvianum*  
*Pennisetum*  
Among brush up to 10 ft  
leaves broad, lobed along the stem

*Pennisetum trichachyum*

20669

*Pennisetum*  
Stony banks & slopes, 5-6 ft sometimes  
taller, much branched above

20670

*Eupatorium*  
Hanging half-stem, 3-4 ft, fls  
creamy white

20671

*Polypodium angustifolium Swartz*  
*Fern*  
Hanging down from wet  
cliff.



20672

*Panicum schiffneri*  
*Panicum (panicum)*

11

Moist place in shade

20673

Compositae - *Valerianoid?*  
Herb vine - near Marangapala

20674

*Cucurbit*  
Herb vine, pods explosive  
Moist woods - near Marangapala

20675

*Azalea*  
fls yellow / soil clay

20676

*Promeliad*  
Rocky slope - windbreak - blades  
spotted with purple

*Andropogon bicornis*

20677

*Andropogon bicornis*  
Rocky slope

20678

Melastomaceae  
fls white

20679

Orchid  
Rocky cliff - woodlands

20680

*Pteris crinita*  
*Pteris*  
moist slope

20681

Proteaceae  
Rocky cliff: fls scarlet - often in  
Large bushes of prickly bracts with a  
few flowers. No large leaves - except  
one spec. Probably come from another source.

*Chaetochloa poiretiana*

20682

Chusquea (Phytolobaceae)  
Among bushes in rather moist places

20683

Phytolobaceae?  
Shrub 8-15 ft fls white  
green

20684

*Eupatorium*  
3 ft fls white

1

20685

*Psychotria*  
Shrub on small tree 6-15 ft  
fls scarlet fruit black

Alausi, July 19. alt. 8500 feet  
*Nassella pubiflora*

20686

*Nassella*  
Grassy slope - common

*Aristida adscensionis*

20687

*Aristida*  
Annual. Herbarium appears to be *A. adscensionis*.  
Open cut.

20688

Composite  
along Ry cut

*Bromus unioloides*

20689

*Bromus unioloides*  
Open ground along Ry

20690 *Eragrostis pilosa*  
*Eragrostis pilosa* (umbels)  
Open ground along Ry,  
not *E. pilosa*

20691 *Eragrostis lussida*  
*Trinella* 1  
open grass land

20692 Composite - thistle  
Prostrate 3-4 ft

20693 Solanaceae  
2-4 ft, fls green

20694 Labiate  
2-4 ft, fls scarlet

*Chloris pygmaea* 1  
20695 Chloris  
along Ry

*Bouteloua simplex*

20696

Bouteloua

Open grassland - common but  
too old!

20697

Scroph  
2 ft. fls rose purple

20698

*Stipa milleana*

Stipa

Open grassland - common

20699

Solanum

Shrub 8 ft. fls green.

*Cortaderia quila*

20700

Cortaderia

Large bushes and tufts. Barae  
Clubs 3 ft, infl. 6 ft. fls  
rose white

*Stipa ichu*

20701

Stipa ichu

Open grassland - shrubby  
heads strong white

20702

*Myrtacinae*

Straggling - much branched  
4-8 ft. fls magenta-purple  
Sticky  
Along an arroyo

20703

*Myrtacinae*

Smaller to 202 but only slightly  
sticky

20704

Compositae

Half shrub 1-2 ft. Rays white  
Open grassland

20705

*Labiata*

1-2 ft. fls lavender  
Along a bank

20706

Compositae

Shrub 4-5 ft. forming dense  
leafy mass. fls white

*Festuca australis*

20707

*Festuca* (Gramineae)

Open cut. Common but too old

20708

*Stipa (micronata)*

*Sporobolus indicus*

20709

*Sporobolus* - spike  
Common on grassland

20710

*Pennisetum*  
Along by - 4-6 ft

20711

*Labiata*  
Hillside - fls. non-purple

*Stipa depauperata*

20712

*Stipa* narrow panicle  
Common on prairie  
looks like *S. minor*

*Eragrostis lurida*

20713

*Eragrostis*  
Hillside - common

20714 Euphorbia  
prostrata in bank.

20715 Rudbeckia  
Open hill - fls pale rose

*Aristida spadicosa*  
20716 ~~Stipa~~ Aristida  
Open grassland, common <sup>but two</sup> old  
old blades scaly. Much of  
panicle stiffly spreading

*Aegopogon aenchrroides*  
20717 ~~Prunella~~  
Open grassland

*Eragrostis buchtienii*  
20718 ~~Trisetum~~  
Open grassland - common but  
no all!

20719 ~~Kuhnia~~ <sup>see 705</sup>  
Slender - fls lavender



20720 *Desmodium*  
fls rose & blue  
2-4 ft

20721 *Stipa mucronata*  
*Stipa* (Mucronata)  
Open grassland, common  
Partly open

20722 *Agropyron attenuatum*  
*Agropyron*  
Among cacti on grassland

*Paspalum depauperatum*  
— 20723 *Paspalum (concolorum?)*  
along cut

20724 —  
Shrub 3-5 ft, fls rose-purple

20725 *Lolium*  
2-4 ft fls several

20726

*Conyza* (Franseria)

3-6 ft

20727

*Stipa mollissima*

*Stipa*  
Grass *Stipa*, common but  
mostly low hills

20728

*Solanum*

Shrub 4-6 ft fls brown  
purple

Chiriqui - July 28, Road toward Cuenca, uphill  
to south, alt 5000-6000 ft mostly

20729

*Sapindaceae*

Woody young fls white  
dry hill

20730

*Hypericum*

Along irrigation stream  
fls yellow

20731

*Conyza*

2-3 ft fls yellow  
dry hill

20732 Scroph  
moist shady place fl white  
with a reddish tinge

20733 Myrtac  
shrub 8-15 ft fl white  
dry slope

20734 Compositae  
shrub 8-15 ft  
fl yellow  
dry slope

20735 Burseria 11  
small tree 20 ft fl yellow  
dry slope

20736 Compositae  
shrub 10-15 ft fl white  
thin trunk  
dry thick

20737 Rubus  
shrub 8-12 ft fl white  
dry thick

20738

*Melica scabra*

*Melica (scabra)*

Bushy slope

20739

*Bromelica*

On tree. Numerous leaves in basal  
sheath. Inf. much 4-pet. 2 ft.  
fruit only

20740

*Calceolaria*

Shady place, 2 ft tall

*Chusquea peruviana*

20741

*Chusquea?*

Stout - straggling - 8-15 ft  
Dry brushy slope

20742

Small tree or shrub 10 ft  
fls green  
Dry slope

*Stipa mucronata*

20743

*Stipa (mucronata)*

Dry grassy slope, somewhat open

20744

*Lasiacis digitata*  
Lasiacis

Aspid of L. digitata with  
2-3 inch shoots. Some branches of  
young plants pubescent + pubescent all over  
leaves rather prominent.  
Dry thickets - clambering among clods

20745

*Dalmanella*  
Dalmanella

Shrub 2-3 ft. fls deep red  
Amph. Dry slope

*Festuca equisetifolia*

20746

Festuca

Dry thickets

20747

Passiflora

Shrub on dry thickets  
fls becoming white - base of crown purplish.  
Petioles greenish with purplish veins.  
Just over purple on upper base - gradually  
translucent

20748

Ardisia

On tree Dry thickets

20749

Ardisia

On base of tree  
fls brownish orange - the outer  
a little darker

20750 *Amorpha*  
Large shrub on tree, 10-15 ft  
fls. greenish white

20751 *Compositae*  
Shrub - sterile young - up to 12 ft  
Rays scarlet, branching spiny  
at base of branches, spines  
slender ~~in~~ pairs or clusters (on  
older parts)

July 27 - hillside north of town - along old Ray  
5000 ft. grade 111

20752 *Thymus*  
briery hillside, fair sized bush  
*Trachypogon montifera*

*Andropogon saccharoides perforatus*  
20753 *Andropogon (saccharoides)*  
open parcel, glaucous, tall, etc.

*Lasiacis ligulata*  
20754 *Lasiacis (dichrolova)*  
Clambering in moist thickets

20755 *Pegon*  
in moist thickets. Stems sparsely branched  
above of leaves, 10-15 ft tall.  
In fls. terminal. Stems purple.  
fls. white tinged with pink.  
Stems more or less woody - much pith

20756

*Orchid*

On bank in moist shaded  
no bulb. fls orange-salmon

*Stipa mucronata*

20757

*Stipa*  
mossy bank

*Eragrostis buchtienii*

20758

*Eragrostis*

mossy bank

*Fisetum degenianoides*

20759

*Fisetum*

mossy bank

20760

*Phoma*

mossy bank

*Aristida marginalis*

20761

*Stipa Aristida*

along open panicle - old blades  
flat & glaucous,  
mossy hill

*Festuca megalura*

20762

Shrub cut

*Festuca* (bromoids)

20763

Orchid

||

In tree in moist thickets  
fls yellow with brown-red  
spots

20764

*Lantana?*

||

Shrub 3 ft, dry hill, fls  
yellow

*Aristida schiediana*

20765

*Aristida*  
sunny hill

*Andropogon hirtiflorus*

20766

*Andropogon*  
sunny hill

*Andropogon brevifolius*

20767

Side of cut

*Andropogon brevifolius*



20768 *Muhlenbergia diversiglumis*  
Muhlenbergia /  
Side of cave

20769 *Barnadesia*  
Small tree 20 ft. fls yellow  
dry hillside

20770 *Barnadesia*  
Shrub 10 ft. fls white  
dry hill

20771 *Stipa mucronata*  
Stipa  
dry hill

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20772 *Chaetochloa cernua*  
Chaetochloa /  
2d zigzag (below Alami) dry slopes  
common in the dry regions of the interior.

20773 *Eragrostis patula*  
Eragrostis /  
2d zigzag

*Styria depauperata* *Prorinda*  
20774 *Styria*  
Culapaga Station (4 1/4 Km)

La Rinconada - a ranch  
between Ibarra and Tulcan  
Sr. Tamaya - August 18  
about 10000 ft. partially wooded slopes

20775 *Compositae*  
Shrub

*Dryopteris* sp. Same as 20780  
20776 *Fern*  
Ravine

20777 *Compositae*  
Shrub

20778 *Gesneriaceae*  
Shrub or small tree.  
Corolla yellowish. Calyx red

20779 —  
Tree

*Dryopteris* sp. Same as 20776

20780 Fern  
Ravine

20781 Gentiana?

*Asplenium - Asplenium*  
20782 Paspalum  
Sunny land

*Asplenium monanthes* L. var.

20783 Fern  
Shady ravine

*Asplenium monanthes* L.

20784 Fern  
Shady ravine

20785 Composite  
Open slopes for yellow

20786

Solanum

Large shrub on small tree  
fls white

20787

~~Impatiens~~ —

20788

Alsineae

Open ground

20789

Compositae

Shrub

20790

Urticaceae

Somewhat shrubby

20791

Melastomaceae

Shrub fls white

20792 *Picea*  
Shrub

11

20793  
Shrub fls red

11

20794 *Senecio*  
fls purple  
Compositae Shrub

1

20795 *Senecio*  
Shrub fls purple-pink

20796 *Compositae*  
fls white

*Calamagrostis planifolia* 1  
20797 *Calamagrostis*

20798

*Festuca procera*  
Festuca

20799

*Bromus unioloides*  
Bromus /

20800

*Agrostis humboldtiana*  
Agrostis

20801

*Galium*  
Fls orange-red

20802

*Ayala*  
fls yellow

20803

*Urtica*  
is this = 790?

20804

Amaranth  
frs brassy red

20805

thick spk many leafless stem

20806

Solanum  
Small tree

20807

Quercus

20808

Compositae

See next bank for remainder of  
La Pinedada (no 20938)

Atavala to Malchinguí Aug. 12

20809

Stipa  
Along adobe wall - Ibarra  
*Stipa neesiana*

20810 Mallow  
Shrub - fls orange yellow

20811 Solanum ?  
Shrub - fls orange red

20812 Mimosa  
Small tree - fls white

20813  
Small tree

20814 Mimosa  
Small tree fls pink

20815 Passiflora  
vine fls scarlet



20816

Legume  
Small shrub, fls blue

*Cyclophorus americanus* (Hook.)  
C. Chr.

20817

Fern  
Dry cliff

*Agropyron attenuatum* !

20818

*Agropyron*

*Aegopogon cenchrroides*

20819

*Aegopogon encleroides*  
Dry bank

20820

Alms  
tree 25 ft

20821

Shrub fls blue

*Oreopanax ecuadoriense* Seem.

20822

Euphorb ?  
tree 25 ft

20823

Amorphid  
fls orange red

20824

Salomon  
fls white

20825

Chusquea  
straggling or climbing  
several feet

20826

Acacia ?  
shrub - fls scarlet

20827

Calamagrostis

20828

*Agrostis virescens*

*Agrostis*

7

20829

*Bromus unioloides*

*Bromus*

1

20830

*Chaetochloa vulpisceta*

*Chaetochloa*

Damp shady place

20831

*Valota insularis*

*Valota insularis*

20832

*Paspalum macrophyllum*

*Paspalum*

with 530

20833

*Chaetochloa cernua*

*Chaetochloa*

Common in the dry hills

20834

*Sporobolus argutus*

*Sporobolus argutus*

dry slope

20835

*Euphorbia*

dry slope

20836

*Amaranthus*

dry slope

20837

*Mimosa*

Small tree - dry slope  
fls yellow

20838

*Tillandsia*

on trees in dry valley

20839

*Verbena?*

dry slope, shrub 10 ft

20840

small tree

11

20841

Shrub, Salomon  
fls. almost white

20842

Opuntia  
Cactus  
to represent photo

20843

Legume  
Small tree fls yellow  
& orange-red

20844

Legume  
Shrub

Malabug to Pomasqui - Aug. 13  
Upper elevations 10000-11800 feet  
moist hillside

20845

Compositae  
Shrub

20846

Shrub

fls yellow

20847

Eupatorium

fls white

20848

Rubus

Small tree

fls scarlet

20849

Plantain

Rocky slope

11500 ft

20850

Polystichum Sodiroi Christ

Rocky slope

11500

20851

Conyza

Rocky slope

11500

20852

*Luzula*

Ruiny slope *della*

20853

Archid?

Ruiny slope *della*

20854

*Luzula*

Ruiny slope *della*

*Cortaderia columbiana*

20855

*Cortaderia*

Ruiny slope 11500 ft

*Agropyron attenuatum*

20856

*Agropyron*

Blunsons bank

*Agrostis breviculmis*

20857

*Agrostis*

Small tufts in open places  
Inflous pale

20858 *Compositae*  
Shrub Rays white

20859 *Orchid*  
Rusky slope fls pale yellow

20860 —  
Aspect of Pine plant  
Blades 2-3 ft in diameter  
crenulate in outline but lobed & ciliate  
Infls 18 inches long

20861 *Cappariaceae* ?  
Small tree

*Cortaderia sodiroana*  
20862 *Cortaderia*  
5-8 ft. Infls loose com-  
pound with the one around stigma

*Neurolepis tessellata*  
20863 *Plantain* ?  
Loose clumps or patches. 5-8 ft.



20864

*Bromus pitensis*  
Bromus /

20865

*Festuca australis*  
Festuca /

20866

Lepidium /

20867

*Axalis*  
Depending upon bank

20868

Compositae  
Stems mostly be listed  
simple

20869

Compositae  
Stems. //

20870

1

20871

1

20872

Cyperace

20873

Salamm

Small tree

20874

Hurcin

Rocky bank

*Calamagrostis planifolia*

20875

*Calamagrostis*

20876 *Cordelia*  
steep bank on cliff

20877 *Lycopodium* ~~sp.~~  
Cliff *Wohlberetti (Kassel)*

20878 *Vincetoxicum*  
small stem

20879  
Stems yellow tips fls red with

20880  
Stems fls white

20881 *Mulleberry*  
& fruit

20882 *Impatiens*  
fls blue-blue

20883 *Claphoglossum tectum* (H. & B.)  
fls red  
moore

20884 *Sisyrinchia*?  
shrub fls red

20885 *Coccoloba*  
shrub

*Trinichloa stipoides*  
20886 Sup?

20887 *Coccoloba*  
shrub

20888

Small tree

20889

Rubiac  
Shrub fls blue

20890

Alantaceae?  
Shrub fls blue

20891

Orchid

20892

Euphorb  
shady place

20893

Labiata  
fls blue

20894 Melastomaceae  
Shrub fls pink-purple

20895 Melastomaceae  
Shrub fls white

20896 Cuscuta  
An annual, wks of flowers  
fls & sepals glaucous white

*Eragrostis pectinacea*  
20897 Eragrostis  
On adobe wall

*Stipa barrensensis*  
20898 Stipa  
dillo

*Polygonum interruptum*  
20899 Polygonum

20900

*Polypogon elongatus*  
Polypogon

1

20901

*Stipa mucronata*  
Stipa

1

20902

*Eragrostis pectinacea*  
Eragrostis

1

20903

*Andropogon saccharoides parvispicula*  
Andropogon Sach

20904

*Eragrostis patula*  
Eragrostis

20905

*Nottholcus lanatus*  
Nottholcus lanus  
Common on an edge  
of a field

20

20906

20

20907

20

20908



6571

