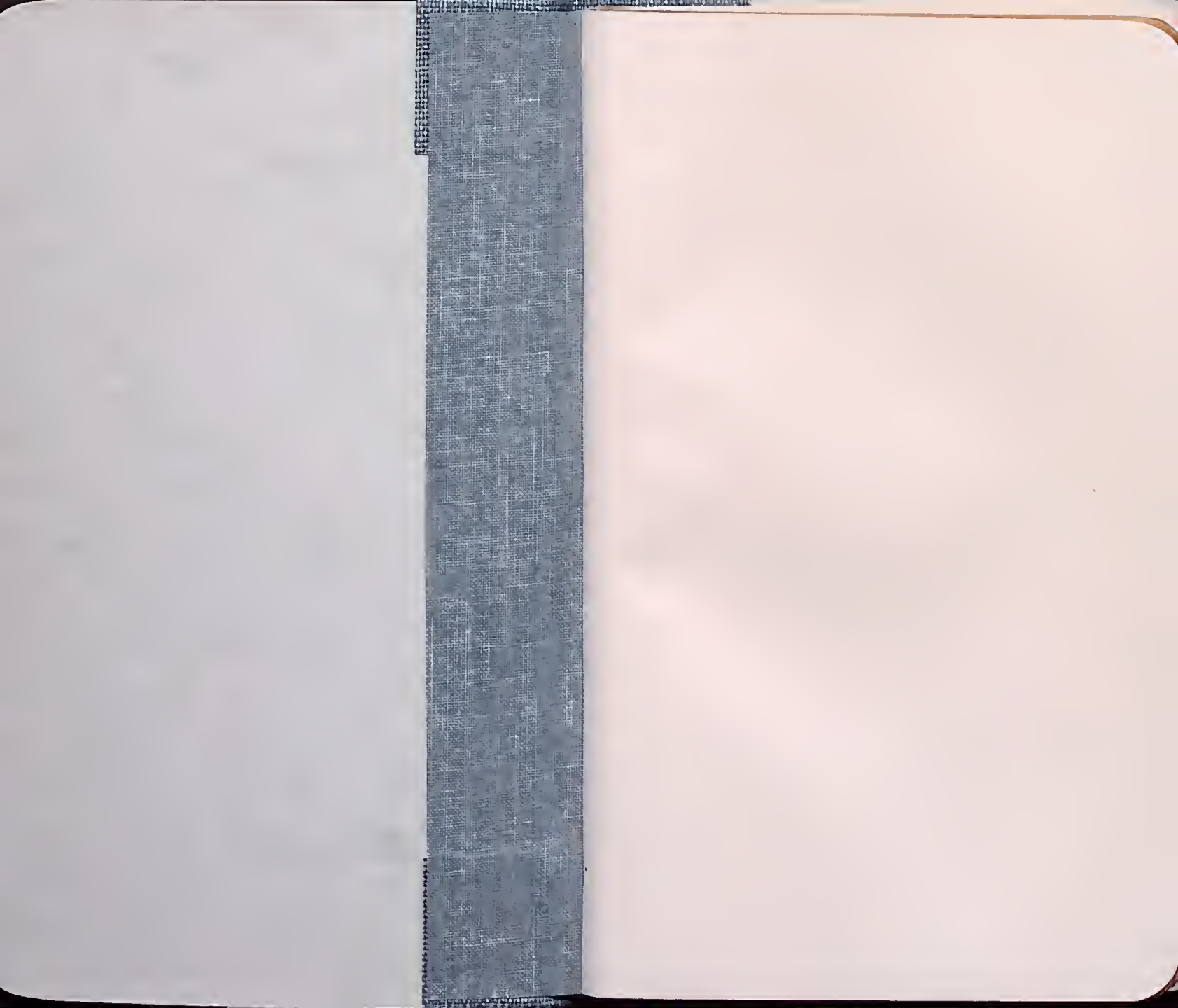
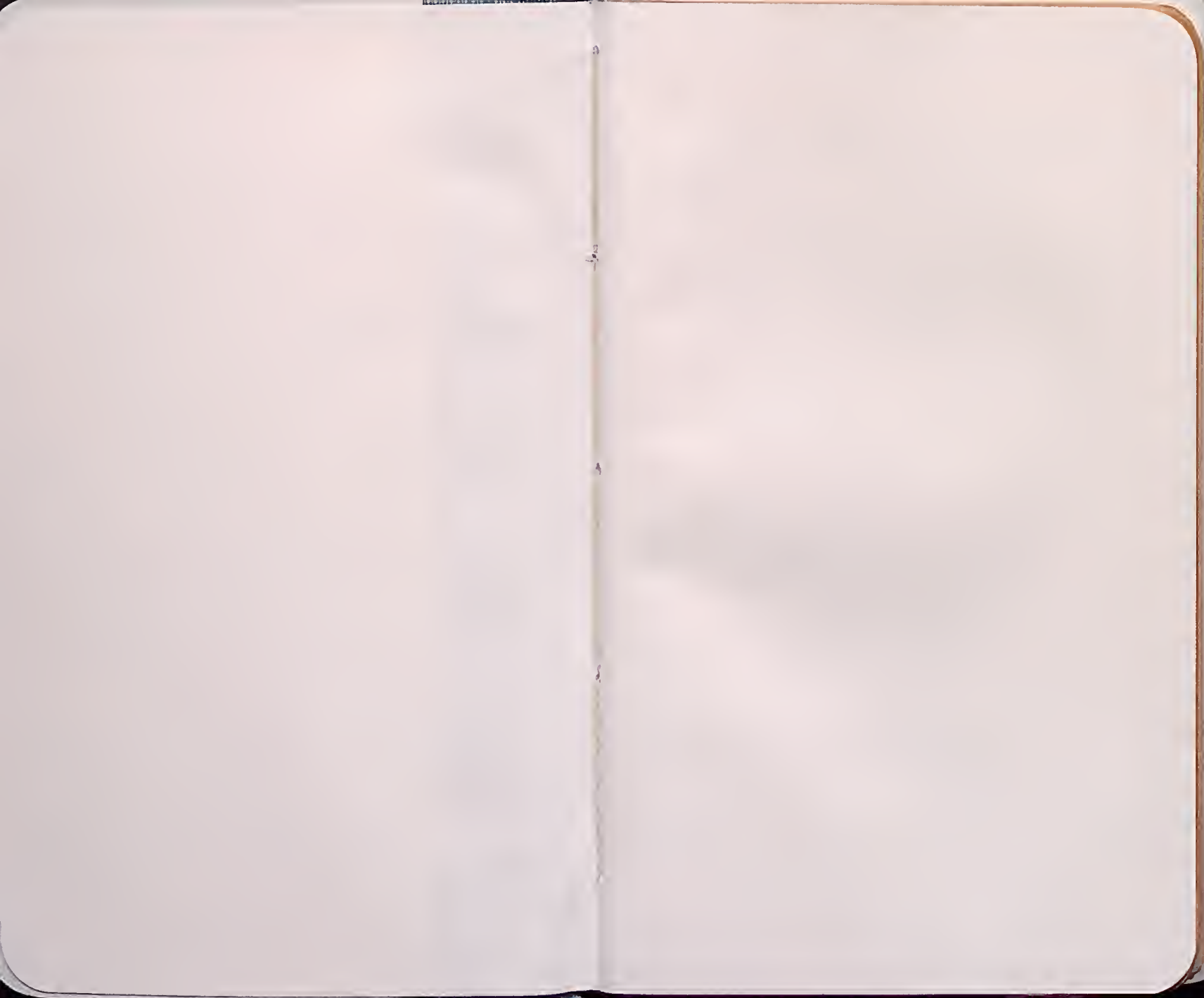


Vol. 136





pl 136 Cuba. Jan - Mar. 1910
(a) No. 3100 - 44 F

Head of Water reservoir Army
Secondary woods & thickets

- 3400 Tree 80 ft
bark smooth, white
- 3401 Weak shrub
10-15 ft
- 3402 Smilax vine, many feet
fruit dark red 1/3 in in diam
- 3403 Tree-like shrub
10-12 ft
- 3404 Shrub, Apocynaceae?
8 ft, fl. ovoid 1/2 in
- 3405 Orchid
on trees
- 3406 Shrub fls ♂
4 ft
- 3407 Shrub 6 ft
axillary fls purplish
- 3408 Shrub, yellowish foliage
6 ft, axillary fls white
- 3409 Shrub
4 ft ♀ fls of = 3406
- 3410 Vine like shrub
10-15 ft

3411 small herb 2-4 in fls purplish
in rich bog mud

3412 *Schizra*?
rich bog mud

3413 *Eleocharis* in bog holes

3414 *Utricularia* in bog holes
fls yellow

3415 Fern frond, green on both
sides rachis black

3416

Jan 2

to Rio Carbonica, yellow
stony limestone soil

3417 *Piper* 6 ft. near coast
broad leaf

3418 *Sesuvium* vine many feet

3419 *Guldenia*? nickname 6-10 ft
fls yellow br. shining

3420 *Ficus* tree 30-40 ft
fls. small

3421 *Santana*? 4-5 ft
fls pink, fl. lavender

3422 *Basalium*? 4 ft.
fls white - aromatic

3423 *Ficus aurea*?
tree 30 ft. fl. orange red

3424 Woody vine many feet
fl. red, seed black, aril white fleshy

3425 *Cuscuta crata* fls yellowish-
green spreading tree 35 ft

3426 *Ficus*, tree 30-40 ft
fl. large 11, in

3427 *Piper* narrow leaf
to 15 ft forming dense thicket

3428 *Thalassia* in thicket of
3427, at of washed down stream

3429 *Terna* to 10 ft
fls orange red

3430 Tree 40 ft, bark smooth, white

Jan 5th Pinalco head of
Arroyo above dam, rich
boggy

3431 Ferny frond. bipinnatifid

3432 Small fern 1-2 in on trunks &
branches more than ground

3433 Small pendant fern
on trunks

3434 *Scimmula*. creeping - fern
matt on logs etc

3435 Filmy fern tufted
1-2 in

3436 Filmy fern of - 3431

3437 *Merlastomacium* 2 ft., hairy
fls sessile, greenish white

3438 *Cyperaceae*

3439 *Merlastomacium*, 3-5 ft
small br. involucre fls purple

3440 *Sycopodium* - like, pendant
from trunks, usually from fern

3441 Orchid 1 in, at times

3442 *Mistletoe* small leafless
yellowish fruit

3443 Shrub by water, to 6 ft
corolla pink

3444 Woody vine 4-6 ft
fls purplish

3445 Shrub, 1-2 ft in shade
fls purple

3446 Shrub 3 ft
fls light red. thick leaf

3447 Orchid, creeping in moss
fls yellow

3448 Shrub 6 ft
fls? axillary

3449 *Sycopodium*
edge of Pinelands

3450 *Typhaceum?* shrub 4 ft
fls yellow - in Sphagnum

3451 Orchid - 3 to 5 ft high
fls orange, in Sphagnum

3452 *Sycopodium*
showy curvature of 3449

3453 *Cyperus*
near Sphagnum

3454 Comp. Shrub 8 ft
br. silvery beneath fls yellow

3455 *Andromeda?*
Tree 20 ft fls cream col.

3456 Comp, shrub-like
4-6 ft. fls. yellow

3457 Orchid, at tree tops
fls yellowish

3458 *Urulastonacera*, shrub
6 ft. fls. purple, fleshy

3459 Orchid, grass-like
jointed & pendant outers

3460 Shrub 8 ft.
fls. racemose greenish

Jan 6. *Arroya del Rio* -
above the falls

3461 Tree, 25 ft. at edge of falls
fls. white ft. purplish

3462 Orchid fls. axillary, white
creeping on rock top edge of falls

3463 Shrub, 2 ft. silvery under top
mosses fls. yellowish, comp.

3464 Orchid fls. fly-like
white with brownish spots

3465 *Sobelia*? 6-8 ft coarse
herb? fls. purplish

3466 Shrub 10 ft
fls. white

3467 Shrub 6-8 ft
ft. ovoid white fleshy

3468 *Tillandsia*

3469 "Sedge" with bank above
big falls

3470 Orchid on rocks
fls. purple, white spotted yellow

3471 Shrub 8 ft
fls. purplish black

3472 Ferny fern creeping
on tree from base

3473 Fern strap-like 1-2 in
on tree from base etc.

3474 Fern "Acrostichum"
Blunt, 1-3 in

3475 Small fern *Asplenium*?
1 in, in dry moss

3476 Small serrated fern
in mats of moss

Jan 7 same as yesterday but
higher up stream to "Bridge" &
Banderia trail

3477 Small herb 2 in

3478 Slender shrub 6-8 ft
by water, fls. white fragrant

3479 *Cyperus*
moist
crevices of rocks

3480 Orchid, fls. purple
1 1/4 in on rock in stream (only 1)

Jan 8 On level between the 2
inclines alt about 500 ft.

- 3481 Shrub 8 ft. Rutaceae?
fls purplish red
- 3482 Tree 10 ft
- 3483 Cordia? Shrub 4 ft
fls white small
- 3484 Woody Vine many feet
x 1 1/2 in. Spiky branched fls globose
- 3485 Cyperus, slender 3 ft +
- 3486 Muscivora Ch. green leafless
- 3487 Tree-like Shrub 8 ft
fls white pendant
- 3488 Grass
5 ft
- 3489 Vine many feet
fls white, Convolvulaceae
- 3490 Shrub 12 ft
fls. blue
- 3491 Shrub
10 ft

- 3492 Passiflora
fls whitish, fr. mbrd reddish
- 3493 Shrub 4 ft. Malpigiaceae
fls. bright red, globose, fleshy
- 3494 Eriochloa
in dark woods
- 3495 Copernicia Palm
10-30 ft. alt, about 500 ft
- 3496 Epidendrum, Orchid
parasitic yellowish green, striped
with brown, lip yellow, striped purple

Jan 10 to old camp on Bandeira
Trail, near moist tropical forest

- 3497 Comp. paint brush
fls orange
- 3498 Slender tree 25 ft x 3 in
fls white fringe-like
- 3499 Bromeliad
fls large white
- 3500 Shrub 6 ft net 1
fls axillary
- 3501 Herb 18 in. Rubiaceae
fls in heads white
- 3502 Muscivora, small leaf
fruit, white

3503 Slender tree 10-12 ft
fls? axillary

3504 Under shrub 3-4 ft
pink, hollow, light blue

3505 Vine-like 10 ft

3506 Asplenium, broad pinnate
on trees

3507 Aestichum pinnate on
the ground

3508 Orchid, fls small, yellow &
red

3509 Comp. Shrub? 20 ft
woody

3510 Filmy fern 6-8 in
to pinnate

3511 Vittaria scattered on
tree trunk

3512 Shrub, ~~shrub~~ 10 ft or
more bluish black fruit

3513 Small fern tree

3514 Compus Fern pinnate
rhizome green, on trees

3515 Melastomaceae Shrub 8 ft
fls white

3516 Analaerous tree
40 ft

3517 Selaginella
on moss

3518 Melastomaceae tree
20 ft. fruit dry

Jan 13 San Arroyo (now name)
from Water tank on "Lore" to
Piedra Gorda, Serpentine
rock formation.

3519 Shrub 15 ft
fls greenish yellow

3520 Tree, slender 18 ft
fls? axillary in ~~scattered~~ clusters

3521 Fern, Antennaria tall

3522 Vine - Apocynaceae
milky, woody many feet

3523 Strychnia woody vine many
many feet (50) fruit red

3524 Woody vine many feet
fruit red

3525 Tree 30 ft.
fls. immature Lauraceae

3526 Shrub 10 ft. fls red
leaf compound

- 3527 Fern, on trees
- 3528 Small tree, with ^{rusty} compound leaf
20 ft. fruit hard
- 3529 Apoc? tree fls white
25 ft x 3 in
- 3530 Weak Shrub 10 ft
fls fleshy, oblong, white
- 3531 Shrub 6-8 ft, twigs green
fls white, fruit red
- 3532 Woody Vines 30 ft
Marrubium?
- 3533 Bryopteris
thin leaf
- 3534 Millenia many feet
large ^{rusty} leaf white
- 3535 Asplenium serratum
on "manaca palm"
- 3536 Eupatorium 6 ft bush white
fragrant
- 3537 Orchid foot of Royal palm
on roots, fls white
- 3538 P. ligopteris fern
by water
- 3539 Bromellad
infl sessile
- 3540 Piper nigratum 4-5 ft
smooth

- 3541 Sag. verna in clearing
fls yellowish brown
- 3542 Adiantum soft
Return on horse via trail to
Woodford, serpentine rock
- 3543 weak Shrub or vine like
fls red (off)
- 3544 Verna, spiny fls reddish
Mammillaria 6-10 ft
- 3545 Comp. shrub P.
6 ft. fls. white
- 3546 Strict Shrub 6 ft.
fls axillary white
- 3547 Orchid fls cream colored
closed 1 in long
- 3548 Shrub 15 ft
weak, fls small - fl. ovoid
- Jan 15th am Old Camp 8
hill tops S. East
- 3549 Comp.
glossy convex leaf yellow
- 3550 Shrub. bracts scarlet
Rumex leaf 6-8 ft
- 3551 Piper 8 ft

Small
Stem
fruit

- 3552 Comp., 1 1/2-4 ft
bracts small white
- 3553 Shrub, strict 4 ft
fls white
- 3554 Passiflora 2 ft
small lobed ^{stems} leaf, fls in dull blue
- 3555 Palm spiny 10-20 ft
Palmetto. photo
- Pm, Pm - lands & hills
S.E. overlooking Mysia Valley
- 3556 Shrub 12 in
bract-like
- 3557 Vaccinium 10 ft
fls red - ft, reddish black?
- 3558 Eriogonum 3 ft shrub
fls white, very scarce
- 3559 Smilax, woody vine - 10 ft
fls red, fol. spiny margined
- 3560 Shrub 4 ft
fls white, black
- 3561 Jacquinia? 1-3 1/2 ft
fruit oblong dark orange
- 3562 Herb., scape 3 in fls white
- 3563 Tree to 25 ft
fls. white?

- 3564 Tree 18 ft
old up only
- 3565 Coccoloba? Tree 30 ft
- 3566 Tree 15 ft
bracts? yellow
- 3567 Euphorbia broad leaf
18 in - 2 ft bracts scarlet
- 3568 Eugenia? shrub 10 ft
Bay-like odor
- 3569 Shrub 8 ft
fls. dryish
- 3570 Strict Shrub 8 ft
fls spikes whitish
- 3571 Orchid Epidendrum
on rocks
- 3572 Sedge? 6 in
on dry cliff
- 3573 Aristolochia small vine
dry fruit
- 3574 Tree 40 ft fls 3/4 in globose
bract white smooth
- 3575 Eric. Tree
to 20 ft

Jan 18th Head of Arroyo
Sawmill

- 3576 *Utricularia* in alcoh.
1/2-1 1/2 in yellow
- 3577 *Selaginella*
on rocks
- 3578 Fern small pendant
on tree from trunk
- 3579 *Adiantum*
proliferous
- 3580 *Aerostichum*
4-6 in
- 3581 *Asplenium*
forked
- 3582 *Polypodium* erectum
short fronds
- 3583 *Adiantum* stiff
- 3584 Orchid small scape 3 in
on rocks
- 3585 *Aerostichum*
1 x 6 in
- 3586 Bromellad.
smooth, large fruit
- 3587 Orchid, grass like
fls purplish pink
- 3588 Shrub 6 ft ovoid

- 3589 Forked fern fruticosa erectum
on log. 4 ft 20
- 3590 *Platan* vine 18 ft x 3 in
in Pinar land Photo
- 3591 *Cestrum* shrub 4-5 ft
fls. purplish Luraz Guyana River
- 3592 *Polypodium* incanum,
on 3593
- 3593 Tree, 25 ft x 4 in fl. dry
Urubastoma erectum
- 3594 *Adiantum*
narrow segments
- 3595 Vine 3 ft.
- 3596 Bromellad., small fruit
- 3597 *Passiflora* fl. blue
- 3598 Grass
- 3599 *Physalis*
by trail
- 3600 Shrub 8 ft
+ 10 ft fls yellow
- 3601 Tree 20 ft & water
fls axillary yellowish

- 3602 Stigmatophyllum
fl yellow - Edge of Ruins
- 3603 Orchid angular bracts, in
cluster fl. pendant
- 3604 Orchid, flat bracts oblong,
stem creeping like Iris-like
- 3605 Orchid, angular bracts
along creeping stem spicate inf

Jan 19 Hillside above Indian
town India

- 3606 Shrub 4 ft -
fruit blackish
- 3607 Shrub 3-5 ft, milky
fls spicate white
- 3608 Shrub 6 ft.
fl bluish black lvs small
- 3609 Shrub 6 ft milky
fls 2 white fruit red
- 3610 Tree 20 ft, straggling
fl purple red.
- 3611 Shrub 5 ft. fl. green
- 3612 *Illicium*? Shrub 12 ft
fl star like, fls yellow red in center
- 3613 Undershrub 1-3 ft
fls whitish scaber, fl. light red

- 3614 Straggling Shrub
5 ft.
- 3615 Shrub or tree 20 ft
fl velvety black 1/2 in, fls large
- 3616 Shrub 6 ft. trifoliate
but also simpler fl reddish
- 3617 Straggling Shrub 5 ft
spicate fruit scattered
- 3618 *Passiflora* 6-8 ft
fl 1 in, red lvs shining lobed

Jan 21 Rio Guayaba,
drizzling rain, 11 - a night

- 3619 Woody vine? many feet
fl. tubular, white. 1 1/2 in across
- 3620 Orchid. fls white
on logs
- 3621 Orchid, in ground
18 in, fls greenish white
- 3622 Shrub 1-8 ft
- 3623 Shrub 4-6 ft arborescent
fls yellow
- 3624 *Hypericum*, many water
4 ft, fls yellow
- 3625 Spreading tree
35 ft

- 3626 Shrub 2 ft near water
fls white
- 3627 Croton? 4-6 ft. near NW
fls white leaf rusty
- 3628 Pilea? red stem
on rocks in stream
- 3629 Climbing fern
bipinnate
- 3630 Spiranthes 12 in
fls white
- 3631 Vine 2 ft fls small
whitish
- 3632^a Orchid two branches over-
hanging water fls white

Jan 23

16 miles back to Rio Turucusa
via Plancha

- 3631^P Orchid, broad leaf fls
3/4 in across small plants active
- 3633 Juniperus, upright tree to
35 ft. 2 or 3 branches monopodial
- 3634^{then J. Vire}
Machaera shrub-like
3-6 ft. fls 1/2 in. yellow

Jan 24, Road of Arroya del
Murcia about 1/2 way

- 3635 Uryrea ♂
tree 20 ft
- 3636 Andromeda? 6-8 ft
fls. bell-shaped white
- 3637 Uryrea ♀
tree-like 20 ft
- 3638 Cyperus
- 3639 Tree, fls white
30 ft
- 3640 Creeping herb, in boggy places
6-8 ft. fls white
- 3641 Tree 30 ft
inf. axillary
- 3642 Terrestrial Orchid
3-4 ft. in boggy places fls. 3-4 in
across 2 in long purple, white
striped, perianth purple or brownish
white or black
- 3643 Tree 25 ft
fls black, 5 lobed
- 3644 Shrub 3 ft.
fls greenish red
- 3645 Tacca
18 in to 35 ft. fls pink
- 3646 Epidendrum
or tree (fruit)

3647 *Typhla*
in swamp

Jan 25 Piedra Gorda,
to ~~to~~ ^{array} *Selbornea* ^{Sum. stem}
Soil

3648 Herb 6 in
along RR

3649 *Cissus*, vine 6-8 ft
fls whitish along RR

3650 Rubaceous? herb 18 in
fls white by RR

3651 Marigold 8-18 in
in field

3652 *Carthagenum*?, fls white
vine 4-5 ft dry field

3653 Creeper on ground fls red
< River valley, wooded

3654 *Mauca Palau*
seedling

3655 Shrub 8 ft
fls red

3656 Shrub 3 ft to 2 ft *Exotremum*
fls white to magenta

3657 Vine 30-50 ft milky fls
lytbl, yellow when ripe "*Jocuma*"

3658 Shrub 10 ft
fls yellow fls red "*Cano*"

3659 Araliaceous vine 30 ft
fls white

3660 Shrub 6 ft fls yellow fls white

3661 Fern, undegd steeply segments
4 in in sun rock

3662 Fern, 3-5 ft broad leaf
Sun rock

3663 *Adiantum fragilis*
Sun rock

3664 Fern, trilobed

3665 *Aurumia* - fern
small delicate 3-5 in

3666 *Aurumia thierii*
fls fronds forked

3667 *Aurumia*, 12 in tall
if - last?

3668 Grass,
Sum. stem cliff

3669 Vine 30 ft, *Cupania*?
ripe fls yellowish brown

3670 Vine like
spiked fls white Sun stem cliff

3671 *Asplenium* 4 in " " "

3672 *Paperonia*

- 3673 *Urtica* herb 3 in
5 in stem roots
- 3674 *Stemtilia*
- 3675 *Subcrataegus* 5 ft
trunks - fls white
- 3676 Tree 30 ft
fls white. fls purplish black
- 3677 *Smilax*
fls clustered
- 3678 *Malva* 2 ft
fls yellow, brownish center
- 3679 *Prunus?* racemes fls white
tree 20 ft
- 3680 *Urea* 6 ft x 2 in sparsely ^{By cam}
fls white or purplish p. dried
- 3681 Tree
- 3682 *Polypodium* - Ground
- 3683 *Sclerocarpus* ^(Limp)
thin rope-like to 10 ft. on high
lim cliff over cave

Jan 26

Among *Sebania* & *Fulle*
of the Mayan, limestone hills
about 500 ft. alt. to Serpentine

bluff overlooking Mayan Valley
mostly thin woods

- 3684 Tree 40 ft.
fl. yellowish brown
- 3685 Small tree 12 ft
fls white
- 3686 *Psychotria* fls purplish black
tree 20 ft fls white
- 3687 Tree 25 ft.
fruit 2-lobed
- 3688 *Coccoloba* tree 40 ft
bark rough, fls light red
- 3689 *Stigmaphyllon*
vine 25 ft, long narrow fls yellow
- 3690 Tree 15 ft
fls spicate whitish
- 3691 Tree 60 ft x 18 in
fls white, fragrant magnolia
- 3692 *Mimipernace* tree
20 ft fls whitish
- 3693 Tree 40 ft
fl axillary
- 3694 Grass, by rocky serpentine
bluffs
- 3693 Small tree
15 ft

3696 Shrub 10 ft
dry capsule

3697 Grass 2 5 ft high

3698 Hydrocotyle
curly in mud flat

3699 Chara?
in H₂O

3700 Sida or Brand aquatic
fls small axillary white

3701 Polanthes
3701a "

3702 small, curly in mud
fls whitish

Pilea cordata
amorphous, about 10 cm
lim. stem roots

3703 Peperomia, hairy leaf
on rock

3704 Pilea 3-4 in
on rock

3705 Passiflora fls whitish
fl. blue

3706 Pilea tall
lim rock by H₂O

all in
just above water

3707 orchid on log

In Pine Sand, Woodford

3708 Grass

3709 Grass

On trail P.G. & Woodford

3710 Anemone 7 in high
fls red

3711 Shrub 3-5 ft.

Jan 25, near Woodford
deciduous woods

3712 Fern

3713 Fern "

3714 Fern

3715 Fern

3716 Small Fern

Jan 30 P.M.

Falls of San Guayabo

3717 orchid purple fls
on tree

3718 Comp. 2 ft
on edge of precipice among rocks

3719 Shrub 2 ft
fls bright red

3720 Fern, small & stiff
shaded well side

3721 Spiranthus, wet mossy bank
same wood?

3722 Comp. 2 shrub-like
fls yellow

3723 Galapagos
same as 3722

3724 Epidendrum lim plant
soft yellowish "bells"

3725 Phrypsalis, young plants
see plants of old one

3726 Orchid, long jointed
axillary fls.

Cryptogramma col. near
Woodford Jamaica 1910

3727 Hepatica

3728 moss

3729 "

3730 moss

3731 moss

3732 moss

3733 moss

3734 moss

3735 moss

3736 moss

3737 moss

3738 moss

3739 moss on lim rock at
Arroyo Sebonca

3740 Hepatica, Woodford

3741 Hepatica "

3742 Sideris "

3743 Sideris "

3744 Sialm woodford

3745 Sialm "

3746 Fungus "

3747 "

3748 "

3749 "

3750 "

3751 " woodford

3752 "

3753 "

3754 "

3755 "

3756 "

3757 Purple ball "

3758 Fungi

3759 "

3760 "

3761

3762 "

3763

3764

Feb 1 Woodford to Soma
Murugusa.

3765 *Melastoma* 3' shrub 6 ft
fls white, blue-black, pink base

Feb 1 near ^{Soma} Soma Murugusa
alt. about 2250 ft.

3766 shrub 4-5 ft. fls bright red
along stream

3767 shrub to 10 ft.
fls globose, leaves green

3768 *Croton* 4 ft., rusty foliage

3769^v *Orchid* terrestrial, in grass
fls yellowish green

3770^v *Cassia* 3-4 ft.
fls yellow

3771^v *Grass* 6-8 ft in dense
patches.

3772^v *Panicum* 6-10 ft
over bushes, fls red in.

3773^v *Polypodium* "Broad-entire"
Sporangia large

3774^v *Comp.* stem-like 3 ft
fls white

3775^v *Stem* 4-6 ft, *Rumex*
fls velvety black

3776^v *Filmy fern*, in mats on
log. *dracunculus* thickets

3777^v *Fern*, among hard iron
stone in deciduous shade

3778^v *Juncus* 3 ft
primary *Grass*

3779^v *Brachyaria* fls blue
in grass - edge of prairie

3780^v *Erect stem* 8 ft *Malpighia*
fls. $\frac{1}{2}$ in, scarlet.

3781^v *Grass* 4 ft, *plum* red-
dish

3782^v *Shrub* fls globose

3783^v *Pilea* 18 in fls reddish
among iron stone

3784^v *Bilbergia*? in fls shorter
than leaves

3785^v *Cassia* 3 ft among thickets
fls yellow

3786^v *Herb* 2-3 in fls white
forming cushion like masses

3787^v *Cyperus*? filiform foliage
in tufts moist soil edge of

3788^v *Orchid* on or near the
ground

Feb 2, side of Mt. Verugua
dry very steep slope
2250 to 3300 ft. alt

3789^v *Arbutus*? *shrub* 3-5 ft
buds hairy fls yellowish?

3790^v *Smilax* 6 ft
fls black fls narrow entire

3791^v *Spiny shrub* 3 ft
fls small yellow

3792^v *Shrub* 8 ft, fls white?
fls globose

3793 ✓ Spiny shrub 4 ft
fls, yellow, small.

3794 ✓ *Guttardia?* 5 ft (6 shrubs)
fl 1/3 in, hard globose

3795 ✓ shrub 6 ft, fls yellowish

3796 ✓ shrub 8 ft, magnoliaceae P
buds yellow

3797 ✓ Grass, filiform, or Cyperus
among rocks

3798 ✓ shrub 4 ft
small fls. yellow sp = 3795 P

3799 ✓ Pine, tree 40 ft, spreading
branches.

3800 ✓ agave 20 ft
fls yellow, fol, green

3801 ✓ 10 ft, shrub
fl 1/4 in dull red

3802 ✓ shrub 4-5 ft
fls white, fl orange

3803 ✓ *Cassia* fls yellow
3 ft.

3804 ✓ shrub or tree - like 10 ft
inner bark lacen like

3805 ✓ shrub about 10 ft
fruit 1/4 in

3806 ✓ *Epidendrum* fls purple
among of rocks

3807 ✓ Grass 3 ft or more narrow

3808 ✓ *Asclep*, vinn, fls yellowish
5 ft or more, stem bright green,
no leaves

3809 ✓ Grass, *Panicum?*

3810 ✓ Fern,
among rocks

3811 ✓ shrub 8 ft, fl, buds

3812 ✓ Vinn, fls white (*Asclep*)
2 ft or more

3813 ✓ shrub 10 ft
fl buds

3814 ✓ *Urulastomacoccus* shrub
3-4 ft, fl pinkish

3815 ✓ small tree 15 ft
evcolobus?

3816 ✓ orchid, purple fls
among partly like no leaves

3817 ✓ *Antiochelia*

3818 ✓ *Scutellaria?* 3 in
herb, in fruit.

- 3819 Rubraeran 1-3 in
fls in white bracts
- 3820 Small tree 15 ft
fl buds
- 3 Top of mountain, very
slimy about 3300 ft. Serpentine
Rock.
- ✓ 3821 Comp 3 ft
fls white
- ✓ 3822 Polypodium falcatum
on ground among rocks
- ✓ 3823 Asclepiadaceae 12 in to 18 in
bracts red
- ✓ 3824 Spiranthes fls white
bracts small
- ✓ 3825 Shrub 3 ft
fls bright red
- ✓ 3826 Peperomia
- ✓ 3827 Oncidium?
- ✓ 3828 Solanum
fls white
- ✓ 3829 Comp 2 1/2 ft
yellow
- ✓ 3830 7 ft to 20 ft, fls white

- 3831 Orchid, panicle yellow
lip purplish
- 3832 Comp fls white
6 in bracts radical, woolly
- 3833 Fern, spiny climbing
- 3834 Pinus 30 ft
- 3835 Orchid, grass-like fls
purplish
- 3836 Fern
- 3837 Orchid yellow in
spikes
- Feb, 3 Swartzia woods near
base of Mt. Mengura
- 3838 Orchid terrestrial 3-4 ft
in tall grass, damp rich soil edge
- 3839 Mistletoe-like, herb 1-3 ft
fls white, Pinus lands
- 3840 Shrub, strict, upright,
tubular fls green & blueish
- 3841 Epiphytic shrub, fruit over
1/2 in, yellow, translucent, soft

3842 Orchid leaves prostrate
leaves flat longer

3843 Fern, creeping, culms
spirangia scattered

3844 Orchid, small triangular
lobes - pet prostrate 1/4 in

3845 Fern - asplenium

3846 Symplocium

3847 Adiantum, large coarse

3848 Shrub 4-5 ft
fl. axillary? reddish black

3849 Orchid terrestrial
spike-like fls, greenish, small

Feb 3, PM

camp. foot of Mt. Narayana
to Red Narayana mostly along
Bandra trail

3850 Herb. 12-18 in
fls white in heads

3851 Selaginella
among iron stones

3852 Shrub 5 ft, fls axillary

3853 Hypocnemum, shrub 3-5 ft
forming thickets, fls yellow

3854 Juniperus ♀

3855 Andropogon? Grass

3856 Grass woolly

3857 orchid, terrestrial, fls red

3858 Grass,

head of Falls of the Narayana

3859 Shrub 6-18 in
fls red leaf Holly-like

3860 Shrub 5 ft
fls? terminal yellow

3861 Pittosporum
silvery leaf

3862 Vine 3-5 ft, Comp? P

3863 Shrub 8 ft
Capparis? P

3864 Shrub or small tree 6-12 ft
small dry capsules

3865 Shrub Comp? P 6-8 ft
fls whitish

3866 Shrub or small tree to 12 ft
near old Fort

3867 Comp 3 ft yellow

3868 Gesneria? 3 ft

3869 Small tree 10 ft

Feb 4th, Camp at Mt. Kerepua
to woodford, along Plateau
trail, 3870-3878 mostly
dry mixed thickets or through pine
lands

3870 Shrub 3 ft, fls orange color

3871 Shrub stem 6-8 ft
fls light red

3872 Shrub-like
fls in bracts white

3873 Shrub 5-6 ft
fls 1/8 in red

3874 Shrub to 10 ft
fruit scarlet

3875 Shrub 8 ft
mangy specimen

3876 Small tree 15 ft
fls flat or 3 sided.

3877 Mistletoe creepers
yellowish

3878 Stem shrub 10-12 ft
Eugenia? fl 1/2 in

Rich deciduous woods
among large iron stone
boulders

3879 Creeping fern

3880 Opheoglossum palmata
on tree trunk

3881 Fern hairy, pendulous
to 2 ft

3882 Melastomaceae shrub
10 ft

3883 Shrub 4 ft
fls white

3884 Creeping orchid

3885 Fern-like creeping
Polypodium?

3886 Symplocos or laurel

3887 *Microlepia* small
on tree trunks

3888 tree 25 ft
fruit pend. yellow

3889 *Bromellad*
large leaves narrow

3890 small fern

3891 small hard fern

3892 *Ficus?* warty leaf
tree, spreading, 30 ft high

3894 fern fern
bluish green

3892 small tree, 15 ft
fruit reddish

3893 shrub 10 ft, dry capsular
fruit, warty Falls of Rio Naranya

Cryptogramma col. near
Dona Verugua Feb 1-4

3896 Fungi

3897 moss on log

3898 moss, on log

3899 " hanging from tree

3900 " on log

3901 (moss & *Selagin*) in iron
3902 } - *Cuscuta* of " } stone

3903 yellow algae? on twig & near
base of Falls of Rio Naranya

Feb 15

Barrovia, vicinity, mostly
limestone hills, soil yellow
soil

3904 *Pedicularis?* branched
in yard

3905 Grass com.
in yard

3906 *Pedicularis?* strict
in yard

3907 *Piperaceae*, upright
glassy leaf in yard

3908 *Prostrata* herb 3-6 in
fls white in yard

near *Platanus* camp

3909 *Cuscuta*, 2-3 in. flat on ground
rotate fls white scapes 1 in. in diam

3910 Shrub 10-12 ft. mud near river
fls yellow

3911 Wrack shrub, *Asplenium*
fls white in mud near river

3912 Wrack shrub, *Walpurgis*?
fls yellow, mud near river

3913 Shrub 6-10 ft. in mud

3914 *Cyperaceae* on limestone
rock, (crumbling)

3915 *Asplenium* on L. stone

3916 *Gesneraceae*, scarlet
3-6 in, water lilies on rocks

3917 Fern
limestone

3918 *Adiantum papulosum*
limestone rock

3919 Herb, spikes long
limestone

3920 *Adiantum*, *fortera*

3921 *Solidago Cleftmanii*
Blum

3922 *Aspidium*
X

3924 Climbing *Psidium*
fls yellow

3925 Shrub 10 ft.
fruit red?

3923 *Adiantum*

3926 Herb, fl heads white
3-4 in top of limestone boulder

3927 *Polypodium falcatum*
on royal palm

3928 *Polypodium inaequalum*?
base of royal palm

3929 Shrub 3 ft. fls yellow
Gesneraceae

July 16, across hills, Country
road to east of Barro Colorado,
limestone hills & valleys

3930 Shrub 3-5 ft. in bushes near
old forest fls pinkish fls white

3931 Wrack shrub fls white
3-6 ft. limestone fl. white

3932 *Tradescantia*, purple leaf
& fls. "Papaya de Piedra"

3933 *Sag. vum.*, fls purple

3934 *Athyrium*, roadside
fl. reddish, stem 6-8 ft

3935 *Eupatorium* fls white
6 ft, roadside

3936 *Fogeria* " green roadside
fls white 10-15 ft.

3937 *Stigmaphyllon*
2-4 ft, yellow

3938 *Adiantum*
narrow frond

3939 *Aspidium*? tall clump
pinna

3940 triangular lobed fern

3941 Silver fern

3942 Small fern 1-3 in
on rock cliff

3943 *Piper* 2 ft. "

3944 *Pilea* 2-4 in "

3945 *Adiantum* on rocks
Same data yellow line stem
Soil Sand side, spring etc

valley back of Coev oil factory

3946 Herb, creeping, comp.
fls yellow

3947 Creeping herb, fls lavender
Euphorbia? in mud

3948 *Cyperus* caesus 5 in
in clumps - mud -

3949 Creeping, herb, hairy
fls blue - in mud

3950 *Cyperus*, stem leaves, 2 in

3951 Grass, *Paspalum*?

3952 *Cyperaceae*, white top

3953 Comp, 6 in yellow

3954 *Cyperus*, thin short leaf
clumps in spring

3955 Grass creeping

3956 *Euphorbia* 12 in
white

Lamp room, thick woods
much, Royal palm, & Rose apple

3957 *Aspidium*

3958 *Pteris longifolia*
shaded ravine

3959 *Villandesia gracilipes*
on Supota tree

3960 *Euphorbia*
fls white, on Avat hill

Feb 17th along Rio "uas"

3961 *Tururferia*, upright shrub
6-10 ft. white

3962 Shrub, strict 4-6 ft fls
small white, forming dense clusters

3963 Shrub, fls & fr. white, ped. pink
lvs?

3964 *Piper* 3-6 ft.
acuminatum

3965 *Hetera pallata*
5 ft. fr. very large

3966 *Piper*, shrub 5-6 ft.
fragrant, broad leaves

3967 *Selaginella*
erect on shaded rocks

3968 *Adiantum*

3969 *Crepidula* leaf 3 in. long
to 5 in. wide. Herbaceous

3970 Fern fronds, in water on rocks

3971 *Polypodium*

3972 *Selaginella* 1-2 in., with mud
crusts on rocks

3973 Fern

3974 *Adiantum* very large
scabrous

3975 Fern large lobed

3976 Coarse fronds, *Acerua*?

3977 *Palmata* fern

3978 *Hairy*, prostrate fern

3979 *Selaginella* bushy

Feb 18 across the Bay to
Ocean front & return (by land)
along Playa lim rock to 2nd

- 3980 *Saururus* 7m 20 ft
fl black, ped. red
- 3981 *Sesuvium* 1m 20 ft
fl. red
- 3982 *Aurum*? l. cor. diff
- 3983 *Evolvulus*? *purpureus*
nigrescens fl. white
- 3984 Herb 1 ft. fl. yellow, annual
- 3985 Vine 2-3 ft
evolvulus
- 3986 Shrub or small tree to 20 ft.
woody, spirally twisted
- 3987 *Saururus*? fleshy, shrub
3-6 ft.
- 3988 7 m 20 ft x 4 in *viridescens*
optimal a shrub, fl. green
- 3989 Herb, close to ground
2-4 in — white
- 3990 Shrub 10 ft
fl. black
- 3991 Shrub 8 ft. *Eugenia*
fl. fleshy, 1/2 in. red to black
- 3992 Palm 10-20 ft

- 3993 *Smilax* 11, black
spiny margin
- 3994 *Datura*?
3-4 ft, fls 100, cal. fl. red
- 3995 Shrub 5-10 ft fls white
- 3996 *Nickers* weak spreading
shrub-like, 10 ft, pods elongated
- 3997 *Saururus*
fls white vast places
- 3998 *Tabernaemontana*? 3-5 ft
fls small white "very delicate"
- 3999 *Sclerocarya*, stem jointed
on rock bolder in bay (Cullin?)

"Pilot" region, west of
Baracoa

- Feb 22 Up Rio Yamanigury
& Culla to "Camp 70a" 1350 ft alt
(4000 to 4022, along rocky stream by Camp
70a)
4000 small fern on tree trunk
4001. Fely fern on ground

4002 Tree 20 ft, slender x 3 in,
pubescent Guttiferous.

4003 Euphorb, tree 20-25 ft
leaves broad, flat back red

4004 Musibaton on 4002

4005 Tree 25 ft x 4 in
fl orange colored

4006 Pedalanthus slender to 6 ft
lvs very small

4007 Orchid, on wet rocks (Vulvata)
corolla white lip bifida purple yellow

4008 Shrub 6 ft comp
yellow

4009 Shrub 2-3 ft fl tubular
purplish

4010 Fossiliferous fern

4011 Shrub 9-3 ft comp?

4012 Climbing fern

4013 10, 15 ft, lvs on top, fruiting
plants dead Spatherlike

4014 Shrub 10-15 ft
fl buds yellow

4015 Shrub 6 ft
pool brown

4016 Comp? 6-10 ft
stem hollow leaf large

4017 Slender tree 20 ft
fl red

4018 Vine-like 10 ft
capsules

4019 Pitcairnia dry infl, 3 ft

4020 Pedalanthus, terminal
foliage

4021 Grass climbing many feet

4022 Shrub 6-8 ft by water

Feb 23 6 am to San Benito
(Camp very rough very and
wet, dense growth, crossed
several small streams, all about
only sustenance along trail as we
be outworn on return, camp several
bottom & no good,

4023 Scizra 18 in under
-thick bush.

4024 orchid creeping at base of
bushes, fls yellow, lip white & purple

4025 *Pinguicula*, bank of stream
fls dark blue

4026 orchid terrestrial along stream
up, fls yellow sparingly along trail

4027 Shrub 3 ft. fruit oval yellow

4028 Shrub 4-5 ft. acaulescent
leafy

4029 creeping? shrub
fls orange yellow

4030 Shrub 12-18 in fls white
along stream among rocks

4031 Small fleshy bush, on twigs
have warty infl. white tubular

4032 Small fern
in tufts

4033 Shrub 3 ft. trifol leaves
fls rotund white

4034 *Petalanthus* fls white
2 ft. fol reddish

4035 *Clusia* 3-5 ft along trail

4036 *Synapodan*-like
on base of bushes fls white

4037 Shrub from 1 ft
by stream

4038 Filmy fern on ground

4039 *Peperomia* base of
bushes, leaf shaped leaf

4040 terrestrial orchid sim
fls white

Feb 24 Camp Beento
about 3000 ft., along lake
near stream, in dense low
thicket growth
along trocha west of camp

4041 Shrub 6 ft fls dark red

4042 Shrub 10 ft
brdly yellow

4043 straggling shrub 10 ft
fls? yellowish capsule?

4044 Shrub 8 ft
spikes whitish

4045 Shrub 4 ft.
infl. terminal

4046 Vine like shrub 10 ft
inflorescence

- 4047 Vanilla, climbing near
fruits, ped short
- 4048 Pterocolobium
4 ft.
- 4049 weak shrub 3-4 ft
fl dark red
- 4050 Straggling comp
4-6 ft, small white fls
- 4051 Asclep?, ? vine 6 ft
fruit 4 in
- 4052 Straggling shrub,
- 4053 Comp yellow
2 ft
- 4054 S under shrub 4 ft
fl terminal
- 4055 Mimosaceae 10-12 ft
much branched near water
- 4056 Grass climbing many (10)
fruit "Tervisra"
- 4057 Shrub like 6-15 ft
very abundant
- 4058 Mistletoe on 4057
- 4059 Tree 15+ ft
infl terminal

- 4060 Shrub
6 ft, Andromeda-like
- 4061 Tree 15 ft
fl green
- 4062 Shrub 3 ft
fls? green
- 4063 Straggling shrub 4 ft
~~fruits~~? fls white
- 4064 Tree 20 to 40 ft
X Conifer in region
- 4065 Shrub, slender 10 ft
fl red
- 4066 Tree like Guttatoria?
10 ft, fl red
- 4067 Shrub 8 ft
terminal spikes
- 4068 Straggling shrub to 4 ft
- 4069 Grass or sedge
- 4070 Comp 1-2 ft fls purple
rich ~~with~~ thickets
P.M. along very rocky stream
below camp
- 4071 Shrub on rocks by K20
fls white 2-3 ft

- 4072 *Cassia* ^{benitoensis - type} on rocks by H20
6-9 ft
- 4073 Shrub 2-4 ft
yellow
- 4074 Comp. *Uromyza* P/10 ft
fls pinkish
- 4075 Shrub like 4 ft
bright red
- 4076 Shrub 5 ft
infl axillary, clusters
- 4077 Holly-like 4-10 ft
fls yellow comp
- 4078 Euphorbia much branched
shrub 3-5 ft, scarlet bracts
- 4079 Comp, yellow, 4-6 ft
- 4080 *Brisley*, Shrub like
fleshy leaf, fls white
- 4081 *Melastomaceae* P
shrub - 10 ft no infl
- 4082 Shrub 10 ft
Eucerean, terminal fruit
- 4083 Orchid on ledges
stump flat
- 4084 Comp - 5-6 ft
fls small in open clusters

- 4085 *Mulleton*, small
on 4086
- 4086 *Podocarpus* ? 5-10 ft
fls fleshy scarlet, "seed" black
- 4087 *Pinus* to 30 ft. sparingly sett
end along stream
- 4088 Shrub by H20 - 2 ft
scarlet, dry capsules
- 4089 Sug. tree, mat brown fol
fls white & pink
- 4090 Shrub 2 ft
fls bluish brown
- 4091 Shrub, slender, rarely branched
end fol on top
- 4092 Small tree 15 ft,
large scaly terminal buds
- 4093 *Eryophorum* ? 12 in
clumps 6-10 ft
- 4094 Slender sparingly branched
shrub, infl, terminal purple
- 4095 Shrub 4 ft
terminal fruit
- 4096 *Sclaguerella*
on bank

July 25th
along trail returning from
Camp San Benito - to Camp
San Benito

4097 Shrub 4 ft, fls whitish

4098 Cyperaceae

4099 mesquite yellowish
small

4100 Shrub 6-8 ft
fls brown terminal

4101 Vaccinium? fol. red
10 ft

4102 Pedicularis, 18 in to 2 ft
young fol reddish

4103 Andromeda-like 4-6 ft
fls pinkish

4104 Eryophorum? white
clump, fls smooth

4105 Comp. fls purplish

4106 Eryophorum?
leaves

4107 Cyperus

overstory pass about 3300 ft alt., scrubby
growth scarcely over 3 ft high

4108 Comp. 2 ft, white fls

4109 Shrub 2 ft, clusters of terminal
racemes, white

4110 Fern

4111 Palm, 6 ft fan leaf, only 3 or 4
in high, found (Pimenta serr.)

4112 Palm tree 8-12 ft x 2 in

4112a ~~Palm tree~~
branchy naked. Cr. leaf bud at base

4113 Ephedra?
fls white

4114 Shrub 2 ft
infl terminal

4115 Andromeda? 2 ft
leaves brown buds

4116 Shrub, thick whitish
terminal raceme 1-1 1/2 ft

4117 Shrub, yellow leaf
18 in

4118 Guettarda? Shrub 4-5 ft
thick woody leaf

4119 Shrub, yellowish foliage
2 ft, if = 4117?

4120 Holly-like shrub
1 1/2 - 2 ft

4121 Shrub 12-18 in
whitish, small leaf

4122 Shrub - Heath-like 1-2 ft
capsules pinkish

4123 Comp? 1 1/2 ft.
thick leaf

4124 Shrub 3 ft.
clustered angular pods

4125 Clusia 4 ft
fl. 1 in reddish

4126 Shrub 2-3 ft. if ~~various~~
fl dark red

Richer than the damp &
lower altitudes toward river
at Camp Sa Barga

4127 Fern, "undulatifolium"
aspidium?

4128 Filmy fern elongated
pouch

4129 Undershrub 1 ft
fl blue

4130 Aquatic, moss-like in
small pond about 2500 ft alt

4131 Creeping fern on rocks etc
small culms, no spore?

4132 Creeping grass
2 ft

4133 Small fern

4134 Fern, undulatifolium
by a brook

4135 Shrub 10 ft, magnolia-
like. bud large white

4136 *Merlastomacraea*
8-10 ft small leaf

4137 Herb 4 ft.
Solidia?

By river at Camp Sa Barga
alt about 1900 ft

4138 Shrub 10 ft - 12 ft
dry pod

4139 Spreading shrub 2-3 ft
by water fls white terminal

4140 *Enceneran* 2 ft
white spikes

4141 Herb-like shrub small many fr
1 root trunk 12-18 in. fls white

4142 Small fern *Aurumia*?
sandy bank

4143 *Merlastomacraea* 2-4 ft
fl purplish

4144 Shrub 2 ft
yellow by H₂O

Feb 26 trail Camp Sa
Barga to Camp Toa

4145 *Luzonera*? narrow leaf

4146 Comp. small 1 ft
woolly beneath

4147 *Melastomaceae* 4-6 ft
sessile axillary bracts, red

4148 Piper 5 ft

4149 Comp 6 ft
yellow

4150 Fern, on clay? bank

4151 Shrub 10 ft, white

4152 Shrub 8 ft *Caullobut*
spike white

4153 Creeping fern, ponds
stem, 6 in

4154 Tree fern 2-10 ft
fronds 1 1/2 to 6 ft, damp shady
moors

4155 Filmy fern? very small
on banks

4156 Hard fern

4156 a. do do?

4157 Filmy fern on bank

^{yellow soft}
Platanus, on sand & stone
7-10, wet soil many small
(2-3 ft) pools. Fern forest &
deciduous to about wet soil. Eyes
podium commonest covering
of ground about 1700 ft alt.

4158 Pine 10-40 ft x 3-6 in
cone rather small

4159 Shrub 7 ft.
terminal fl.

4160 *Symplocos* 1-4 ft

4161 *Symplocos* creeping
in wet margin of pool

4162 Tree fern in ledges
4-6 ft

4163 Shrub 10 ft,
ole whitish axillary

4164 Shrub 6 ft
Guttleria? white terminal

4165 Shrub 6-8 ft
spike bright red

4166 *Asplenium serratum*

4167 Shrub-like axillary fronds
8 ft

Red on lands, Pinus trees
with deciduous shrubbery
amongst, no grass, unlike
Nip & pine forests all about
1400 ft

4168 Shrub 4 ft
fls terminal greenish

4169 Spiranthus, scattered
plants fls white

4170 Shrub 3-4 ft
fls red

4171 Woolly-like comp
shrub red

4172 Shrub 2 ft
fls white cf = 4170

4173 *Eugenia*? shrub 6 ft
fls white

4174 Pine
30-50 ft

4175 Shrub 1-4 ft
white fragrant fls

4176 Shrub-like 2-3 ft
Comp. whitish

4177 *Cyperus* 6-8 in
in tufts

4178 *Cyperus* 18 in edge
of Pine lands

4179 Rubus? 7 in 15 ft
long ped

Some allude to *Casuarina*
serpentina var. - but on
hard packed red on open base
for large areas

4180 Shrub, 4-10 ft, fl
terminal, fls yellow fragrant

4181 Shrub 6-7 ft *Cyrtanthus*
fls terminal numerous

4182 Shrub 4-10 ft
fls pink fls silky, leafy

4183 Shrub-like 6-8 ft
whitish

4184 Climber 2-3 ft
white

4185 Shrub 10 ft,
glossy leaf fls terminal

4186 *Tracema*-like
5-10 ft

4187 Fern shrub, on bare bare
spots

4188 Shrub 1-5 ft
fls 1 in, yellow

4189 Pinus, small ovoid cone
6-10 ft, in fruit

4190 Shrub 3-5 ft, lvs. yellowish
terminal fls white

4191 Mistletoe
round leafed

4192 Pinnate shrub
6-10 ft

4193 Guttiferous 3-5 ft
fls whitish

4194 Pinus, small trees
at 100 & 200 ft alt.

Feb 27 & 28

alluvial valley of Rio
Yamauiguay, rich sandy
soil tall trees, also warm tide
water

4195 Shrub 10-12 ft
in fruit

4196 tree 25 ft
pod warty

4197 Climber, fern
mossy stem

4198 Shrub 10 ft
whitish

4199 Fern Aspidium

4200 Piper 6 ft

4201 Herb, fls white
forming cushions 2-6 in across

4202 Herb 3 in fls yellow
Primula-like

4203 Herb Comp 2-3 in
lvs. rosette

4204 Shrub 8-10 ft
terminal fls, whitish

4205 Polygala 3-6 in
white

4206 Shrub 8-10 in
fragrant

4207 Shrub 10, 12 ft
green fruit

4208 Sygodium 15-20 ft

4209 Shrub 12 ft
fl terminal

4210 Selaginella in damp
shade

4211 Adiantum

4212 Shrub 10 ft. if aloe stem
30 ft. fruit blackish

4213 Fern on sandy river bank

4214 Straggling tree 30 ft
lark milky

4215 Palmetum

4216 Shrub 3 ft. milky

4217 Tree fern, spring track
10-15 ft

4218 Shrub 12-15 ft
fls red.

4219 Inflorescence shrub 12 ft
racemose terminal fls red

4220 Upland pear
on "manaca" Palm

4221 Tree 40-60 ft willow-like
milky bark, fls top-shaped bright red

4222 Shrub 10-12 ft
guipa? buds elongated

4223 Pteris, fern 3-4 ft

4224 Composite 2-3 ft
yellow, searose

4225 Brown leaf, fleshy yellow
fruit, searose long thin leaves

4226 Shrub-like 10 ft
fls white in a very dense

4227 Spiny Palm, only fruit
seen, thousands of plants seen

4228 Under Shrub 1-2 ft
Euphorbia, capsules

4229 Small tree 15 ft fls
white

4230 Sag. vine 10 ft
fls. purplish red

4231 Comp - Shrub-like
5 ft - yellow

4232 Tree 30-40 ft
fruit red

4233 Urticaceae 10 ft
fls white

4234 Tree 25 ft
fruit magnolia-like

4235 Shrub like
fls purplish

- 4236 Small tree
fl in terminal spikes
- 4237 Orchid, on ground
white
- 4238 Spreading tree 30 ft
nervature milky, fl white
- 4239 Gesneraceae creeping
on "manaca" Palm calyx red
Red
- 4240 Tree 40 ft x 1 ft, by 100
pinnate leaf "Ducosco"

low Serpentine hills
near the Bay, almost
bare rock, dense patches of
shrubby alternately with lawn
spots.

- 4241 Shrub 2-4 ft
yellow
- 4242 Shrub 4-6 ft
small pink fls
- 4243 Shrub 6-8 ft
large cream pink,
- 4244 Shrub 6 ft
terminal fls
- 4245 Euphorbia Shrub
4-5 ft bracts head scarlet

- 4246 Shrub, spreading
4 ft.
- 4247 Close shrub 3 ft
greenish
- 4248 Cyperus
- 4249 Sag. Vine 4-6 ft
fls purplish-red
- 4250 Tree broad top, 15 ft
small fruit, Jussiaea?
- 4251 Shrub, branches very
spreading brs fleshy fl white
- 4252 Shrub 4-6 ft,
spike terminal red
- 4253 ~~Tree~~ "Otie" shrub 20
ft by salt water fls white fragrant
- 4254 Pines tree 40 ft
close to the water of river
- 4255 Shrub 2 ft
in clumps fls white
- 4256 Palm 6-15 ft
very common near the
river mouth
- 4257 Holly like comp 3 ft
fls yellow

4258 Shrub like ~~comp~~ 6 ft
fleshy leaf. plantlets

4259 open shrub, 6-8 ft
fruit red

4260 dense shrub
8 ft, fls axillary, yellow

4261 shrub 5 ft, comp.
thick woolly leaf

4262 *Exostema* 10 ft
fls purplish fragrant

4263 comp - 6 ft
yellow

4264 orchid

4265 *Adiantum* } alluvial
chrysogonum } valley

4266 *Adiantum*

Serpentaria hills

4267 Fern
dry open places

4268 shrub 4-6 ft
Ruellia?

4269 *Jacquinia* 5 ft
fls greenish, unexpanded

4270 shrub or tree spreading tree
15 ft no fls

4271 *Urdaclimacraea* shrub
4 ft, stiff small leaves

4272 shrub 5 ft,
fl long slender

4273 *Sclerocarpus* pedicel
fruit pink in alluvial valley

4274 shrub 1-2 ft
fls clustered, dark pink

4275 *Pilea*, shady, leaves

4276 shrub, fls axillary

4277 shrub 6 ft

4278 shrub 2 ft
fls white by *Serpentaria* hills

March 11 Simm stem cliff
about 20 ft high east side of
mouth of Banana Bay
near old fort

4279 creeping shrub, over
rocks, 2-3 ft, white

4280 *Plummaria*, 6-8 ft
large white fls, broad leaf

4281 *Adiantum* near the
sea water on side of cliff

4282 Herb 1-1 1/2 ft fls red
acanthus?

4283 Pilea, leaf whitish
burrath, sea cliffs

4284 Plants brought in to me by
Mr. "south of Barrova"

4284 Shrub 1/2-2 ft
fls red. "in River land"

4285 Shrub 6 ft, terminal
buds with large pink bracts Pilea

4286 orchid, terminal
18 in fls white, Pilea

4287 Caribaea? "mana negro"
vine many ft Rich man

4288 Urastoma shrub
fls light red Rich man

4289 orchid, long "tubers"
white lip, purple perianth

March 14 Barrova to
Rio Guaba, limestone rocks
white fls, River bank
sand & gravel

4290 Vine, many feet
fls pink Tecoma? - Rich

4291 Shrub 4-6 ft, Urastoma
fls small white

4292 Herb, wet roadside
fls pink - fruit pink

4293 Urastoma, taste like
fls blue black fls white

4294 Sida vine, whitish
6-10 ft.

4295 Shrub 6 ft
fls white

4296 Mikania, many feet
white fragrant fls

4297 Piper 5 ft,
in thickets

4298 Fern 3-5 in,
in rock

4299 Sida vine 6-8 ft
fls yellow roadside

4300 Woody vine, many
feet, fls light red, ^{and white} seed black

4301 Trichostema herb 4-5 ft.
axillary fls whitish

4302 Small comp, scape 1/2-2 in
fls white

4302 Hydrocotyle? creeping
on mud in shade,

- along river
- 4304 *Asclepias curvica*
in ground, fls white
- 4305 *Polygala* 3-6 in
fls purple root aromatic
- 4306 *Polygonum* pink
large fls. in wet ground
- 4307 *Vim trilobd* 4-6 ft
in sand bar
- 4308 *Polygonum* white
small fls. 5 leaves
- 4309 *Zingiberaceae*? - 8 ft
fls yellow, pink in sand bar
- 4310 Herb 1-2 ft white
in cracks
- 4311 Paper 8 ft
- 4312 Herb 5 ft, comp
white
- 4313 Herb 6 ft "Nava"
comp ~~purple~~ introduced
- 4314 *Melastomaceae* var P
12 ft fls small bright ^{apex red} base
- 4315 aquatic floating in
pond shrubby, hairy
- 4316 *Eleocharis* 9-15 in
fls white cracks short
wet mud

- 4317 Comp, herb scape 6-12 in
white small
- 4318 *Eleocharis* ditch
18-24 in heads elongated
- 4319 Shrub 6 ft
fls orange-red
- 4320 *Chromolaena*,
by Riv "Nava," Herb like
double pink fls
- March 15 Baracoa to
Florida along trail across
Cunstan hills through mangrove
small plantains to serpentine
Pam hills
- 4321 *Barbarea*? on cliff
vaseid, fls bluish purple
- 4322 *Vim* semi woody, 6 ft
yellow, a *peinacra*
- 4323 *Rhus*? 6 ft,
fruit orange - green black
- 4324 Shrub 6-8 ft,
fl red to black
- 4325 Comp 6-10 ft same
what trailing
- 4326 Herb crevice fern

- 4327 Vine 2-3 ft
Small white fls
- 4328 Scarpus? 1 ft
in tufts on serpentine rock
- 4329 Shrub 2-3 ft Malpighia
fls pink
- 4330 Small tree 20 ft
fls white
- 4331 Shrub 3 ft, yellow cat-
kins Myrica?
- 4332 Shrub 8-10 ft ~~fragrant~~
white cream colored
- 4333 Shrub 6-8 ft, trifoliate
white fragrant

March 17. Sauss Valley of
Rio Muni

- 4334 Bidens roadside
yellow
- 4335 Ioborbergia?
fls. Blue
- 4336 Shrub 10 ft
Malvaceae light yellow
- 4337 Sclagrella, curving
laxly over water
- 4338 Ximbia, Bushy, topped
tree 25 ft, yellowish white

- 4339 Woody vine 40-50 ft
fls white or cream
- 4340 Shrub 12-15 ft,
fl dark red & black
- 4341 woody vine 30 ft
fls white
- 4342 Tree 50 ft Saguaro
pods very brittle
- 4343 Shrub 8-10 ft,
fls yellowish, axillary
- 4344 Straggling shrub or vine
leaves 10-15 ft, pods axillary
- 4345 Small tree 20 ft
Arnona
- 4346 Elrocharis in mud
4 ft.
- 4347 Sagittaria 5 ft
white in mud
- 4348 Apocynaceae shrub 6-10 ft
fls white fl red inside of pod
- 4349 Tree 25 ft
fruit large.
- 4350 Bushy herb 3 ft
white bracts
- 4351 Water Lily
white - floating in river
- 4352 Cereus? often in
water ble white (not 5 cut)

March 30, 10 Navis
near River

- 4353 Sobilia 3 ft
fls purplish
- 4354 Jatropha? 2 ft
scarlet
- 4355 Malastomacra
Shrub 6-8 ft large leaf
- 4356 Selvia? 3 ft
wh. placs in clumps
- 4357 Lipidium white
along trail
- 4358 Psidium yellow
base of tree
- 4359 Orchid, Iris-like
- 4360 Small tree 15 ft,
th axillary

March 21

along Rio Navis in
Sour valley, mostly serpen-
tine well soil tall trees
much buttressed and frequently
subtended to overhanging

4361 Aemotrichum, fern
8 ft, in mud

4362 Victoria on tree
trunks

4363 Malastomacra tree
15-20 ft fl. 1 in flat white

4364 Piper large leaf
shrub 8 ft

4365 Cyperacean 3-4 m
in wet sandy ground

4366 Fern 3-4 ft

4367 Peperomia magnum
?

4368 Fern

4369 Crisp fern close to ground
fl. red

4370 Thin fern 2-3 ft

4371 Cyperacean
white lvs.

4372 Polypodium small
erect

4373 Selaginella
close creeping on Royal Palm

- 4374 - Piper 4-5 ft
leaf small
- Mich 22 Upper Valley
of Rio Navas
- 4375 Asplenium senatum
3 ft
- 4376 Shrub 10 ft
in fruit
- 4377 Piper 3-6 ft
- 4378 - Tree 20 ft. corolla white
pedicel yellow pub black ped, red
- 4379 Tree fern. stipe with
spiny 23 ft. pinnae 10-12 ft
- 4380 Margaritana? vine
many parts x 1/2 in
- 4381 Crisp limb, yellow
brown radicle
- 4382 Melastom. Tree 20 ft.
= fruit of 4363
- 4383 Shrub 8 ft. Crataeg?
fls white
- 4384 - Straggling Shrub 10 ft.
white

- 4385 Polypodium curpaui
- 4386 Straggling shrub 10 ft.
fls white
- 4387 Eutaenia? Big "Sea Bean"
vine 50 ft x 3/4 in
- 4388 Symplocium
on "manaca" Palm
- 4389 Asplenium on trunk
- 4390 Begonia rock cliff
near water
- 4391 Piper 4-5 ft
- 4392 Symplocium
- 4393 Shrub 2 ft
fl light red
- 4394 Shrub on rocks
fruit
- 4395 Melastomacean Tree
15 ft fls var colored
- 4396 - Shrubby epiphyte
- 4397 Polypodium large
erect

- 4398 Pendant fern
 4399 Shrub 4 ft
 4400 Fern, ^{bls white} fern on tree fern
 4401 Comp white
 on wet rocks scap 2-3 in.
 4402 Shrub 10 ft
 fls white, arboresc
 4403 Shrub 10 ft.
 fruit green
 4404 Shrub 6-8 ft
 bls white
 4405 Malacomaeran 8 ft
 fl purple fls white
 4406 Tree 25-30 ft
 fl dark
 4407 Malacomaeran ^{maerua?}
 6-10 ft, fls small white
 4408 Salvia in Chamae
 fl red 1 1/2 - 2 ft
 4409 Polypodium
 narrow
 4410 Sag Vum 10 ft
 fls dark yellow
 4411 Passiflora, woody vine
 fls blue white

- 4412 Shrub 3 ft, Pedunculatus
 fls pink
 4413 Shrub 10 ft
 fls pinkish

March 23 Haves to Camp
 Barua Vista (2000 ft) &
 across river near ana stream
 then eastward to top of Cuchillas
 through much moist forest
 on steep slopes, serpentine
 foothills

- 4414 Euphorbia 6-10 ft
 4415 Gramma 6 ft,
 large light brown fruit
 4416 Shrub 10 ft
 fls yellow
 4417 Shrub 8 ft,
 fls small green
 4418 Vum 6 & 8 ft
 fls green
 4419 Sapotaceae Shrub 10-12 ft
 milky fls purple
 4420 orchid Red tree trunk
 "San Juan"

4421 *Melastomaceae* 10 ft
large red fls

4422 Shrub 4 ft
fl bright red

4423 *Uplandia*
4-6 ft

4424 Fern

4425 multi-pinnate fern

4426 Shrub 4 ft
pinkish

4427 orchid terrestrial
greenish

4428 Creeper on rocks
3 in

4429 *Piper* 6 in to 18 in

4429 Fern

4431 *Asplenium*

4432 *Adiantum*
11 alluvial green

4433 Fern 6-8 in
on marginal

4434 *Suriana* fern,
~~prostrata~~

4435 Shrub
on ground

4436 Orchid
on tree

4437 S. shrub 6-8 ft
white

4438 Creeper fern - up a tree

4439 Shrub 8-10 ft.
fl. vivid white

4440 *Asplenium*

4441 Fern, on ground

4442 *Zingiberaceae*
dwarf shade

4443 *Symplocos*

4444 Shrub 10 ft
fl. partly green

4445 *Piper*

4446 Creeper 3 ft
fl. purplish

- 4447 Shrub 8-10 ft
fls 2-lipped, some white, some greenish
- 4449 Malpigh 6 ft
X small leaf
- 4448 Cordia semi shrubby 4 ft.
fls white, bracts elongated
- 4450 Slender shrub 8-10 ft
fls pinkish white, partly sticky
- 4451 Herb? 2 ft
greenish
- 4452 Herb? shrub 10 ft
axillary fls yellowish
- 4453 Phyllanthus 6 ft
fls white
- 4454 Fern
- 4455 Malpigh 10 ft
rusty infl. no fls
- 4456 Fern tree fern
fronds 6-8 ft
- 4457 *Aemotium?* hairy
on tree
- 4458 Creeping fern bipinnate
15-20 ft on palm.
- 4459 Fern *aemotium?*
- 4460 Creeping fern on tree trunk
10-15 ft.
- 4461 Small much forked fern on
damp logs etc
- 4462 Pappirovia
- 4463 *Polypodium* large entire
?
- 4463 a Fern. "jointed"
?
- 4464 *Mistletoe* fruit white
on 4465
- 4465 *Ardisia* tree 18 ft.
leaf venation purple fl purple
- 4466 *Passiflora*
dark pink
- 4467 *Orchid* on tree
leaf narrow
- 4468 *Broussard*
- 4469 Palm "Palma Bolo"
15-30 ft tree 5-10 ft fls purple thick
- 4470 *Elephantopus*
driving at camp

- ad d. d. a
- 4471 Psyllobria, shrub 3 1/2 ft. in
Anoyodulardin, Surinam, Feb 22,
1910
- 4472 Shrub 2 ft. in fls. greenish
Stuy Pass, 7 Mil San Bartolo to San Bartolo
- 4473 Erythronium? Yammagony, to Camp Vuca
Feb 26 1910
- 4474 Shrub to 10 ft. fls. blue
- 4475 Alourodia shrub
Banawa to Florinda Feb 18, 1910
From Banawa to Rio Guato
- 4477 Cyperus, Anoyodulardin Surinam
Jan 6 - 1910
- 4478 Sidaea, Stuy Pass to San Bartolo
- 4479 Anam ad d. d. a
- 4480 Moss San Bartolo Feb 22-26, 1910
- 4481 Moss, var. of Banawa Feb 22-26
- 4481 " " " " " "
- 4482 " on log " " " "
- 4482 Hypoleuca " " " "
- 4484 Moss " " " "
- 4485 Sargassum " Banawa Bay " "
- 4486 Red fungus on log var Banawa
- 4487 Fungus " " " "
- 4488 " " " " " "
- 4489 Polyporus " " " "
- 4490 Moss woodpile Jan 1910
- 4492 " " on tree fern

- Missing Sloper numbers
- ~~7716 Cyperaceae~~
- ~~7805 Cyperus~~
- ~~7809 "~~
- ~~7873 Trichostema orchid~~
- 7933 Cereus (not checked)
- 7939 Cereus nudiflorus
not checked
- ~~8003 Ground orchid~~
- ~~8010 Ground orchid~~
- 8049 Fern (Linnæa leaves)
- ~~8052 Moss~~
- ~~8080 Cyperaceae~~
- ~~8086 Banawa~~
- 8138 Cyperaceae
- ~~8150 "~~
- in vol. 136

2.

~~8218 Cyperaceae~~

8229 Mistletoe

~~8246 Cyperaceae~~

~~8257 Cyperaceae~~

~~8269 "~~

~~8370 "~~

~~8395 "~~

~~8396 "~~

~~8418 "~~

~~8426 "~~

~~8428 "~~

~~8440 "~~

~~8455 "~~

8490 Shrub not checked

8548 Arched

3.

~~8570 Eleocharis~~

~~8595 Mistletoe~~ not checked.

~~8625 Grass~~

8634 Tree

8846 Shrub not checked

~~8852 Cyperaceae~~

~~8888 Silky fern~~

8924 Opuntia (not checked)

~~8968 Cyperaceae~~

~~9024 "~~

~~9051 "~~

~~9057 "~~

~~9068 "~~

9069 "



Conservation work performed
1987-1988. NY State
Conservation/Preservation
Discretionary Grant.

