Brasil 1979, Amazonia #3

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Short citation:
Smithsonian Institution Archives, Accession 12-005, SIA_12-005_B01_F06_E02

Long citation:
Smithsonian Institution Archives, Accession 12-005, Calderon, Cleofé E., “Brasil 1979, Amazonia #3”, SIA_12-005_B01_F06_E02, http://siarchives.si.edu/collections/fbr_item_modsi2553

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university note book

Brasil 1979

NAME: Amazonia

SUBJECT: #3

No. 45-4852 (S-1812-N) END OPEN
No. 45-4872 (S-1810-N) SIDE OPEN
7 1/4 IN. x 5 IN. (19.7 cm x 12.7 cm) • 80 SHEETS • NARROW RULED

VERNON McMillan, Inc. ELIZABETH, N.J. 07208
AMAZONAS, BRAZIL

Cleofe E. Calderon, O. P. Monteiro
& J. Guedes

Collected under the auspices of Instituto Nacional de Pesquisas Amazonicas (INPA) and the Smithsonian Institution
2867
2894 -
2910
(2970) flowers
K-177 (B or ND.?)
K. 190 +
K. 209 +
K. 210 +
K. 222 (x 190) flowers
K. 236

Orthostylisem
2867 — c23/4 - culms, rhizomes
2894 — c23/3 c, branch, rh
2910 — 23/6 c, br, rh
(2970) glumes
K-177 (corr?) — 23/1 c, br,
K-190
K-209 — 23/1 c, br
K-210 — 23/6 c, br, rh
K-222 (corr 190) — 23/1 c, br
K-236 — 23/1 c, br
<table>
<thead>
<tr>
<th>BOTÂNICA</th>
<th>Nº do coletor: 893</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INPA MANAUS-AM</strong></td>
<td>Sigla e endereço do Herbário</td>
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<tr>
<td><strong>Nome</strong></td>
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<td><strong>Endereço</strong></td>
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</table>
Para mais informações, este endereço é repetido.

Porto Velho

Secretário de Planejamento e Gestão
Secretária de Obras - Eng. Aldemir
Guerreiro Vilar.

Autorizo a DNER em Porto Velho a procurar
tel. 3815

rote e indicar ao engenheiro
Brazil 1979
Amazonia #3
Creecus to a line 2841
Blanket leafed path #1.

Cold for the season
Pteridophyte

Very delicate fern plant
On rock of a ledge
Pteridophyte

Sporing on rocks of each
Pteridophyte 2842

Sporing on rock of each
Pteridophyte

Pteridophyte 2843

Pteridophyte

Large fern on rocks 7
Months past almost
Day
Oregano
2845
Terrestrial, near creek

Decumal
2846
clumps

Great clematis with immense

vines

Thicker shoots on the
dune

Thicker hosts
up to 3 cm, starting
in places of long that the
test had then hunting
up to 8 m tall.

BeautifulNitigone (collected)

Moving the increase of size
distinct colors. It has
some white var scle-
dark colored leaf. A

Other collected early
July 15

Red fencing, ca. 3 km. 7 km. west.

**Muraceae**

Plant red, fruit green (Cynium)

**Bryonidade?** Phacelia? 2848

Narrow flat, of edge of forest. Flower yellow petal.

**Solanaceae** 2849

Small tree ca 5 cm. with fruit, petal, leaf, stem?

**Thechocactaceae** 2852

Plant flat, ca. 80 cm. green flap, like a rose plant - with thorns. Stems thick like five instead of one, as in carina.
2853  

Rubiaceae

Tree, 1.50 cm. high, with fruits only.

2854  

Rubiaceae

Tree, ca. 5 cm., with fruits.

2855  

Rubiaceae

Shrubs, ca. 1.50 m., with flowers (off white, 15h10h).

2856  

Rubiaceae

Tree, ca. 2.00 m., with large white flowers on long stems near garage.

2857  

Rubiaceae

Shrubs, ca. 1.50 m., with fruiting young near the garage.

2858  

Rubiaceae

Hed., ca. 1.20 m., with large flowers, white, 15h10h, that are not atraum and one round in or out. White hairs on the atraum. PPA, 4205.

2859  

Rubiaceae

Robert, plants up to 1.60 m., with all flowering. Yellowish red, 15h20h, yellow. Flowers are not open, but pale among leaves. PPA, 4205.
Phebalium 2860
- Shrub, ca. 1.5 m. with
  fruit only.

Rutaceae 2861
- Metrodorea floride Kame
  Tree, ca. 10 m., near jaspe
  red, flowers yellow.

Rhizophora 2862
- Sprout, ca. 1.5 m. in village
  yellow orange (bole)

Melastomataceae 2863
- Micromeria ericophy to
  Sandinwill. Tree, ca. 2-4 m.
  with young fruit.

Sapindaceae 2864
- Jul 16
  Atlantite, Minao
  trees to 30 + km NW.
  Melanocarpus, large fruit
  on trunks, main mille.

Rutaceae 2865
- Lagunaria cap. 1865

Clusiaceae 2866
- Sapindus at edge of forest
  pink heart.
Antrodialium

2867

Very degeneration, out

Prat Trelfa, 33.2

years ago, he was in 2

very sick with like a

free wheel in position

was always ready and

about 3 cm long.

call, 6 cm with small

blade, at least with

pointed burs or pappus.

We find a big old plane

with about 6 cm

height with small

trole in seats. We saw

tall spots with large

no. 1 branch in a hard

insect with my thick

control and

white, thicker up

change it's lead by

Pottery leads lead
Piperaceae

Sims, ca 1.70 m in front mixed with Sambu

Marantaceae

Flower yellow, ovoid

July 17

Montana, the road NW of Mulungwan, 1.0 km NW of this locality, Minasigad 27° 17' 27' N

Monotropas

Ver. abundant, not thick, the leaves in beautiful, tall shapes in front. It looks like some U. J. collected in bolivia in 72 near jordan (63) feet to 3 go the night to the
I am not sure what the handwritten text says. It seems to be a mix of notes and possibly scientific observations, but it is not legible enough to extract meaningful content.
Very serrated margins, giving a slightly jagged appearance on each leaf segment. Leaf margins slightly cupped, giving a slightly curved appearance on the leaf blade. Leaf blades deciduous, turning brown in autumn and are shed.

On April 21, 1974, we planted 1.83 miles of hedges near the road. The hedges involved hawthorn, smooth hawthorn, willow, and mountain maple. We planted a total of 300 trees on the ridge. The trees were situated north of the house.

Steep slopes demand careful attention. The main road, which lies that intersects the trail, was 3 feet in place.

Blaze: Ball at 10 feet, 400 feet of hedges, and for FRA use.
Meadow
(Alnus cordata) (Sequoia) Beautiful Meadow, Mary
Drake, large clumps. Wild
rose, red huckleberry mixed
with Mahonia. A very rare Sequoia
About 8 in tall. Less than
1 in diam. Very
young, branchy
stems. Smooth surface, small
pith. No nipple, thick rind
on twigs.

Dense, leafy, bushy
with many branches. Very
green new leaves, many
branches per node, very
thin, delicate branches, thin
cover of relatively
medium-sized, broad
narrow leaves. Little
differences. Average typical, skew
flora/vegetation.
PRA 1 set of tests
Bally white shoes & black & green shoes
Photos: B & W & EK 400
Rodrigues J. (teacher)
John R. Negro Rio Cururucuri, then Caridade phone
Late Rodrigues J. (teacher)
To Serro do Luca, Rio Urubui
Central between Aquidauana, Tracunhaém, and Natal.
Epe March 6, 1968

Arraiana: Rio Maricouira, vicinity of Maico airstrip.
876
Indian Trail from S. Tracunhaém to Maico.

Rodrigues (teacher)
Rio Urubui, Mandacaru-eruca durai Km 115, growing in mazes on rock face.
Aug. 75

at edge of river;...inhibited..."igapo"
Roddille op (tendeasa)
R. Negro, Rio Curicuriari, Am.
acht/rand, site e campo e t.
pira
Phone & Room

Roddille op (tende aca)
Serra do turu, rio Urubui
between Lachiseira Traceira e Natal.
June 6, 1968

Route: Rio Urucuira,
period of Urucu rain
Tubarao Trail from it
Sulcucui to urucu

Phone & Room

Roddille op (tende aca)
Rio Urubui, Manaus-araqui-
rai km 115. Growing in
mosses on rock face.
June 14, 1975
Aug. 75
July 31.

2875

Pittosporum leucocarpon, between Manam-
Caracarai and before bifurcation
(call 1/2 hour from town), near rise
70 ft. sea-
Origineae

2876

Epithel, on her at edge of river,
forest, few small, flowers
color, blue (unian)

Araliaceae

2877

Tree, ca. 50 ft. with fruit in
fruit at edge of river, few very dry
dated.

Lauraceae

In flower, tree ca. 4 m. High,
at edge of river, periodically inhabited
"gapes"
Phridophyta 2878  Peperomaceae 2882

Phylloclade on tree, at edge of river.

(Compositae?)

Stems, near edge of river, white flowers.

Vindula 2880  Acanthaceae 2883

Stem 3 ft. tall, tree ca. 3 ft. wide, white flowers.

Heliconia 2881  Heliconiaceae 2884

Tree stands ca. 12 ft. high in river, white flowers with purple.

The stem 6 in., cauliflora flower bright red with some petals, till vs. long, turning red as it met with another one with quiet.
Majistriaceae
+ Tryantidae caricae Jodr
Stem ca. 3 m. Dia. Flores

2885

Myrtaceae
+ Fagraea cana. Flores white miti perfume, 4 seg 7 mm.

2888

Myrtaceae
+ Fagraea cana. Flores white miti perfume, 4 seg 7 mm.

2888

Rutaceae
+ Cinnamomum sinense. Flores white, 4 seg 7 mm.

2890

Rutaceae
+ Cinnamomum sinense. Flores white, 4 seg 7 mm.

2891
Reflexions bolin.

Tree 20 cm with spike-like inflorescence

Sapindaceae

Tree 2.7 m with white flowers. (Inscript script)

Rup. 1st

2894


Atmosphere

Butiful, delicious to be

Beautiful in all point

Again was need toTacama Down rain is the most already

been the dominant plant also the one canopy on both sides of place

Top or plateau where it's open to exposure. Ple to me the ground looking like a dry prairie. For 20 cm to 2 m but there are some taller and in some 2.5 m and with nice like Santiago. 2 m and calyx thicker 1.5 cm in a little more. But so the look. Otherwise thin thread-like and articulate caly / leaf is looks like Yerba de pat or cross a house. Like Scelis, multipot leafy with up

a stick to cloths on the -

Caly leaf all appear (I didn't as)

Veins with a white, cotton-like

cally like silver. Silver on the back near the base. Line edge of leaf with a cream of stuff, curly hair, white and stuck in groups looking like a ring of triangle at a line

With all the下跌 angle of the street with 3 cm, happened here

Oral relate to coffee color

It's leaf white krest, long and about 2/3 the length of leaf.
Feb 1st 1995
Felt the first frost. Very cold.
Branches covered in ice.
Sprouts new leaves, coming from the sides of "good" terraces.
The rock was much thicker but the soil very broken (white, loose). A dense conifer at site in itself small. Slade name to study.

Feb 2nd
Oregon, Rio Chigwaic, between
Huang, Western area and
Gore to Iona.

Reedgrass - Gramineae

March 16
Going on rocky area, edge of river, on lowland bank.
Healing on dead area by water.

Frag. - leaves, roots, lake in a strat.
Plants: Cole. B.C.W.

bogie material: substitute brush coral + grasses.

Acadancoae

Feb 28
Troll pole delicate at edge of rocky cliff with
highおり開花 low vegetation.
Flower white with rose color.

Photos: after Biological, color
Panique 2898  

Pteridophyta 2902  

lessen on rocky face of cliff along with, near almost through to top of peak  

Panique 2899  

Pteridophyta 2903  

another 3, taller at chin (2 cm)  

Hypercaceae 2900  

Pteridophyta 2904  

small fern, on rocks and soil along river  

Hypercaceae 2901  

small tree, about 3 cm, flowers little, near edge of river  

Hypercaceae  

thin leaves, +/- revolute like
**1905**

*Gymnosporangium*

Flowers on rocky cliffs.

**1906**

*Acantuaceae*

Epiglottis on cliff sides, flowers dark pink.

**1907**

Rutaceae

Small, bright orange peel, flowers pink-white.

**1908**

*Fragariaceae*

Small fruit, picking around stones at edge of river.

**1909**

*Rheocarpa manyae*

US, N, NY, LE, P, WIS

Resident, growing on rocky face of cliff edge of river, flowers much like *Rheocarpa*, mostly yellow but 3 cm in length, some trailing, the largest bigger.
2910
Aerobidium sp. (Oct. 9/79)
Growing at edge of mud, very common and a tough
plant, hard to keep (1st year). Needs a lot of
water and lots of sunlight (compare life)
activity. Mixes slightly, lasts
3-4 days.

Water long, root has
with well rooted parts
and for in small and
rich. Needs of color
about 10 days.
Rhizome with 4 to 6
nodes, (apple type).

But tender and less in
climbing we repeat.
White leaves, thick with small hole
bull. "Veins," not smooth, not petal
 base, leaves persistent all
day, plant with blade
almost reduced to a
small leaf joint in may.
"Heath moths" at this
No new shoot near
bed. 3-4 in., 1-2
no, start small. One
long root 1" deep, then
3 roots, to center almost
not much.) 7 in. long
Vines 5 leaves.

Leaf 24 flat.
Flowers, may leaves.
Aug. 3

29.11 and small发生 when

value a long journey

not at third in the

fifth (looks like small type)

one looks - the upper

ridge marked. Both

cells mostly!

all clear grease.

also of rivers (white is

periodically an advent) not

found in any inside

way of same for the

other basin (29.1)

thing combines from

brush curved back way

over the trees longer

than smooth long shape

long reflected, narrow

1 ft, no more place

where I, very next

well to them desolate.

F.P.A. clear piece of

sea (2.51)

calfwhen the smooth

moor area, thick with

Photos: Bl + W - color

edged, milky and dark.
Found late about 2 o'clock from the river edge joining at the lakes. Must not be too tall or 6 in.

2912

2913

2914
Gymnamnia 2915

Tree up to 10 m, flowers white, more or less nectar

F.A.A.: bees

Ophiothrix 2916

Small tree, ca. 6 m, narrow leaves

E. Leptobulariaceae 2917

Sagrophyte, no leaves, flowers ind.


Vicia elongata (A.D. Wm.)

Alfalfa 2919


Euphorbiaceae 2920

Tulip, ca. 12 m, flowers pink, 6%
Apoxymaea 2921

Loud tree, about 8m tall, orange yellow fruit, at edge of river

Monimiaceae 2922

Viburnum corymbifera (L.) Warr.

Slender tree at edge of river, about 6m tall, white flowers

Myristicaceae 2924

Vindola elongata (L.) Warr.

Lourd tree at edge of river

Myristicaceae 2925

Vindola cataphylla Warr.

Small tree at edge of river

Chlorophytaceae 2923

Vincum tricosanthes

Bite on tree at edge of river, very sticky flowers, many stones
Aug. 5

2926

2926

same time a few are east.

and the lake reflect, long

and beautiful and subtle vie

older.

myth. From whole 1/3 lower

ground that looks like one

much perform. While in

on the short and on all

of them back home

plants give only much

complement of 1. We are

at the end of summer

give two small shoots only

in leaf complement. 1. Thistle head of protruding

better smells. on miles 5

ago seldom. think of putting
day in stores. I talk in more

trees. When milk thistle fell

in cities with high wall

in thick. When old the

cauca is swollen in candy

blade leaf leaf long

and reflected taste delight

but I never cross over his
Malvaceae

2927

Tynaniana piedi 2830

exit over tree at edge border
with fruit only

Abidant on bare border
not at edge of big tree, both
in vegetation
FAA: tree in fiter.

Sapindaceae

2928

Tejuun L. laticirub 2931

Swartzio?
Tree about 12m. with flowers yellow and
with perfume.

Sapindaceae

2929

Minthiaceae

2932

Vriese elongata (8+1) time
time

Tree about 5m.
Dioscoreaceae  2933  Chrysobalanaceae  2936
Clamling on tree at top of river

Cotoneaceae  2934  Annonaceae  2937
Odontosoria  Stephens
Narrow, 6.5m high, old river

tetraclaceae  2935  Anagallidaceae  2938
Tree along river about 6-7 m

Tree ca. 10-12 m high with 2 yellow
flowers and red fruit
Justicia

Tree about 6m with grey big buds.

Aug. 6.

Am. Rio Nubí near the Xoanu Panaman Road n.
about yellow flowers yesterday
Moraceae
orchid
Tree at edge of river w small grey flowers
Moraceae (Presta)

Juncus in saline salt marsh
epiphyte 50g leaves hanging from branches of tree, other yellow with brown spots.
Chycosela ceae

Cupositaliceae

2944

Teledi

Pero

2947

Small tree to 8 m at age of rich. Small many flowers

Small 1.5 cm. Flowers anger white

2945

Aphina

Dioebce

Small of flowers like

Beejia

Asperioadice

2948

Plant in ver. like, column.

2946

Tigra

Tree ca. 6 m. Flowers white

Beejia

Beejia

2949

Small tree at 13.5 m. Look many flowers
Scott Mori

Elaeocarpaceae
Ternstroemiaceae (Theaceae)
Myrtaceae
Lecythidaceae

2950

Myrtaceae
Labamba
Flowers on tree, may not fail, abundant, yellow flowers.

2951

Xyridaceae
2951

devil's tusk or cooks by the side of the water fell.

Podostemaceae
2952

Acoustic, by the water falls, leaves adhered to rocks, floating.
Epiphyte on tree.

9 May 1976
Cleófes E. Calderón, Talmón S. Santos, and Lyselson B. de Oliveira

Collected under the auspices of the Smithsonian Institution, National Geographic Society, and Centro de Pesquisas do Cacau (CEPLAC)
Melastomataceae  2950
Nympheaceae
Calumba
Plothy on rocks near water, tall & abundant, yellow flowers.

2951

Xyridaceae  2951
Eriocaulaceae  2954
Tonina cf. fluviatilis Rbl.
Aquatric on rocks by the water fall.

2952
Podostemaceae

Podostemaceae  2952

Anomala, by the water fall, leaves attached to rocks, floating on water.
Oxymiteae 2356

Lipiptera, beautiful green
flower in the Sedum pot.

Convolvulaceae 2959

Swing on cord or vine
at edge of pile fall.

Loniceraeae 2957

Myrsinaceae 2960

Tribute of 3 m high at
edge of pile fall.

Bomelineae 2958

Teufelinaea, eolpisticren 2961

Vining on rock, at edge of
pile fall.

Tree about 7 m. High flower
white with purple
n.v. "Subtulata"
Heterostemonaceae
Arctostaphylos moorei
At edge of sponge; big tree, heart wood; flowers white w/ stems bluish.

2962

Eriocaulaceae

2965

Tree at edge of water. Flowers pale yellow-purplish.

Organicaceae

2963

Dry cultivation, small, with yellow flowers.

Heup 7

2966

From Rio Huaqui,  between trees to lake a cascara y frazada with small fall almost last part from camp; night with small stone wall with note naming tree, Antyllus sp. + reedlike.

Bombacaceae

2964

Fall tree at edge of

Very abundant, forming large patches on sand or clay; dry, flat place. Flowers on the root. (often dark) Male of the flowers open; with amorphous small, attached, Febr 12th 2nd form.
2968
Small tree at edge of road with very few flowers buds.

2967

2969
Anacair

2970
Autumn lilium

Elm tree on overcast day with flowers like pink.

In many moist slopes by the river (unidentified)

For trees no photos

It looks the same we collected early up streams in the first week and almost everywhere
2971  2972  2973  2974  2975  2976

Lettuce tree  3  loll tree with beautiful pink flowers on the stem.

Zanthoxylum  2972  Melanotraceae
Carapa  2973  Miconia fragrans

Growing in high ridges & banks. Zanthoxylum, 1st new type (2-4.5
"terre frène" forest.

Miconia maritima

Stems ca. 1 m, on forest edge of ridge, "terre frène forest".

Miconia fruticosa  2973  Symplocos

Tree 6-8 m, at edge. Flowers white, fruit in many clusters, taste falls
early.
Aug 8 - Rio Verde, extreme tend to run a small waterfall, ignant tributary with large fall.

Phentofyto - 2977

Phentofyto, Big fern fern author type, about 2 m high, in main forest at edge of large, large tributary of river.

Phentofyto - 2980

Pteronia goetii US 2981

Phentofyto caliginella - 2978

Phentofyto caliginella

Phentofyto caliginella - 2978

Phentofyto caliginella

Phentofyto caliginella

Phentofyto caliginella

Melastomaceae - 2979

Melastomaceae

Epiphyte, grow on wet bark of tree trunk, think about plant along stream.

Pteronia goetii - 2982

Epiphyte, grow on wet bark of tree trunk, think about plant along stream.
Andraceae
2983

Xyphoideae
2986

(Erect. x Date at Site of Planting)

In Jepuranse, (see no. 2787)

Spring in these prairies

P. mexican, Flores red-

P. 2985

Collected by J. E. Jones
Amazon River

About 1 hour

Medin a gne/s 800m, 

3:B 1:1

P. variegata

2985

Collected at K12 or 1487

Michaela 3:2:3

1:5

7.5

P. variegata

K12

July 18, 73
Um fazendeiro tem uma vaca e ela manda do fazendeiro e também o pai da vaca.
Aug. 30.
Bimonde (Guiana)
Am. Rio Negro

Igrecá de Faraquí entre Manas e Arquipélago das Anquilanas

Grass near the edge 7 miles inland along levee on right. ca. 3-6 cm, green mossy surface with thin walls, only small lines inside. N. dark region with white sand above taller brown ridge. Very strong bimonde. I lost part of culm at top of culm and it curved but short time before it broke at xylem. Note midle when bimonde start developing the secondary stage shows it until after begins only one side of main axis. Plumes several, one, the other side only 1 spine. No more stout stem, but
K79-89  
Sep. 31.


Pond in the middle of rice, yagao plants, dyed to 1.40. Field of flowers, similar to those collected in the Amazon.

FAA: &. in fruiting.

K79.127. Here loc. as before and next day Sept. 4. Panamanian thorn rip & in the beach with bidendraces and agave.
Sept 4, 1979

K P 79-1325

Joel's

Area. Rio Negro. Ovulate. Dark near Santa Isabel (Peruvarious)

going to investigate Trout. Sleepy. Spread out from 11500 complete mixture. took 3 of 3 replications. up to 1.5 cm. Heavy, mass with soil between 1 cm. 5-10 mm. Current river. Small 1-2 cm. Very short. 6 cm. and 1.3 cm. 3 bulks observed. Very persistent in both locations. Place: Northern. 80-200 cm. east.

Daisy, P. 1st. south end. 1st. 2nd. 3rd. 4th. 5th. Flowering. 1st. 2nd. Next 2. 4-6. 2. Flowering. Top 10 feet to be out. Shut down quite. 5 feet. 3rd. in length. Same height. Other much thicker. Not many 2 feet high.
79-136  Sept 5
Arm, Rio Negro, mouth of rio Bandurri, south of Isotel (Tapurumunane)
(a 110 km north of Tapir) on map
Figure your position

79-140  Sept 5
Arm, Rio Negro, mouth of rio Bandurri, south of Isotel (Tapurumunane)

79-159  Sept 5
Lanchares, Lankares
On three在现场 present near edge of rio Negro

FFA: Ed & night
adventure to Butu
no aparaja  
Piraiatuara
apente to Tearseditary

79-177

7 Sept.

Bambu (Sudan)
His legs were in the mouth of his tearseditary.

Growing near the edge of rice, on steep soil. Fishes not the well climb this area.

Another one reported to be 20 ft or more. No time alternates smooth, with

thick moss. Bitter in taste.

Thick, short, leafless.

A blade.

FFA leaf.

bulky: often line a game.
Redville (see section 3)

River (Rio Negro) Swamp, Piscatorial

River, tributary of the Lower

Reservoir, tributary to

Bottles, etc.

Shrub in lower forest on tightly rolled wet edge of

Rocks on rocks by the

walks fall. Growing between

rocks and wetter places it is small

and short. A slender stem, and in high

places is known by

and standing for miles on

about 20 feet or more

Very delicate thin leaves

PBZ and in fruits. Blooms in March.

the March heat. A not very

noted place. A beautiful

Sunny carpet or tapestry. The

trees also in some places.

wall along the island.

This growing stuff around the

acres. Farmlands not far.

FAR 89 189 79 190 89 189

Sept. 8, 25

Sept. 8
79-191  Sept 8
Pariana
An. Winter via Baricunay

An. Toror via Baricunay

Plantain in low forest along
river, on sandy soil (49°30')

K. 79-209  Sept 8
Rio Maricay, ca. 30 km
south and west, near village
of Macabeta

Aubrochetetes

Chicóy being too green in
front on steep loam along
ridge, with many small
dandelion, thin, less than 1m
but strong x flexible do
rep. 1.4 x 6.5 cm. Doric
shape, dense clump about
15 cm. Interverte x
1 cm, leaves very smooth
interverte, with thick cortex
and all hollow center.

leaves very smooth
frond fuller with no strong
combination of blade. By
1 minute all leaf blade
folding in the tube threat
little tip

leaves at large - mean leaf

little more persistent
K23-210  Sept 3

An, Rio Marué, ca. 30 km above mouth, mat. smallize, small village of Marué. Astrotaxis bairdii.

Another, beautiful vine like ca. 200, ft. of the same genus collected early in the year and not far from other places abundant on lip, ridge beside the rain, to fill fields along near here. ca. 100 feet. There is also a lot of mist in the early morning hours.

Some, very "bush" type of plants, some of them more climber type plants. Very "bush". Some very small, others very large. Some plants not yet.
or late December in their breeding
develop, bamboo leaf epidermis
and its tough tissue in the
root system. A strong
buckeye (in the Reeds) grows
and sits. Some with
leaf epidermis developing
above ground, while some
like in the picture, contain leaf
with a colored leaf. Plate
the other. Buckeye leaf with a pit in
some part of plant.
We order this bamboo in seed
work along the river. Plants
(right bank: reeds)
for split pieces of certain kind
(bulky material: parrandy).
79-211
Sept 12 9

An. Rio Marie, ca. 35 km
depth month of river

(Alps) 3-4 papilionea type

large plants growing in the

total of 3, 7, 17.5

and 2 above 2.5

remains, a little

3. from several sorts

below 10. and flowers

probably for the plants

10. 10. 10. 10.

10. 10. 10.

79.222
Sept 13

An. Rio Marie, ca. 40 km

depth month of river

(Alps) 3-4 papilionea type

Antwermphila sp. (in plane)

Tame 3 as the first to

collect here in this river

beautifull large

tree at the edge of river

but clean in fall

grass (potato smut)

This type of plant

are 3, 7, 17.5

all plants in the

are larger but not seen in

other place. All 3-4 papilionea type of plants

each flower with a

core thread like magic

differences like Peritoma

the antennae of Antwermphila

sp. nearly compressed
larger with 23 plumes.
blasts, at sea, the start.
The wattle with red body
like a tie plus, and an
turn of main are
and support a hill.
Bellied is not a mate
and for resting a
lot, do males
(11-6-209)

FAA: 2 melt, it is a flower.
69. 1 Y. right
3:1-1V. in
Bulky, 1 cube, too
latest 6.6 W. a total

99-236

Am. Rio Tea, 40 km above mouth
"Bacuri" village.

Common at edge of river, in
dense igaru plant, some
plants just in the water
and all part, possibly
not of the population. Off
many of the leaves, it is
3-4 m + blasted with
large
This type of igaru in
some places changing
to changing algae, but
then no bananas see?
Blunder

come to prepare

(unknown pages collected in
the morning)

Climbs down gently at age
of eyes in ships' forest, but
of post vertically immense.
Plant up to 15 m.
Bark smooth, no thick, and
unfolds on some woods. (for)
one of the vertical buts pointed
looks like a trunk.
Bull is prominent typically
blundering style. Holes are
strongly dominated with
thickbrush. Its an oral bull,
rested and different from
stun, in a wide stang, some
time up to 60° or 50°.
Sundays rain coming at
level off the side of 10° N, to
also breeding spreading out
...flocks. No fish.

F.A.S.A. be a tame pistol.

no buds?

flying column, little & broad
insects.

K. 79-252

Olyrc ?

\textbf{Afternoon}

\textbf{Am, Rio Negro, \textit{Isla Tampiqueri}, \textit{Veracruz} near Santa Isabel de Rio Negro (Tapuriquera)}

\textbf{Draft}

Springs in beautiful tall forest, trees, palms. Gap, eventually periodically indicates tall old deciduous, coniferous. Spring is a permanent time. There flying droves get with and alternating divergent to one side a few other (as the one I collected for C. Stanley).

For the of several Cj. her terminal with dark barren (10+?) shrubbery the enticing sip while P. \textit{Papillons}
NB-4251
W384
PREP

high R.

Bamboo? 2
with very large, more than 1 ft. leaves.
Bees? sounds
coming from one small opening.
Consuming the whole area below.

K. 79-251
-26 Jan.

Bamboo?

Bees or bees

K. 79-251
-26 Jan.

Beautiful chimney bamboo,
ots yet 1 foot above. 40 cm.
Leaves and stems
over trees. Plants stuck with thick walls, with
notches short intervals.

Leaf: leaf with 4 and

divided leaves. -

Typical bamboo leaves

composed, with 4

leaf coalescence in

loop x: wide leaf shapes

Attendant in tall (not)

Tentation - speeps in

Large island.
No cats.
FED: 15-20 bulky material. 10 cm pieces.

May 15
Alexandria, Cuba, near Havana, Parapanda

Rc: 2492

Pine and 2493
23 and 24 are next to each other. 24 is

Pine and 2493
23 and 24 are next to each other. 24 is
May 15
Reserva Dubbe, near Manaus, Pariana

Growing scattered in rain forest; feel in flower; fruit produced in a stunted state.

Pariana

Type growing in thick, dense forest. Not abundant. Few flowers, fruit.

May 22
Iguana, Reserva Dubbe, near Manaus.

Plant is my favorite.

Absolutely growing near the mouth of the stream.

Volunteered with Jose Ramos.

Schwantes?

Growing in rain forest, near
The road to the stream
(written with joe's name)

flax in a bucket favorite

adventures in the surveys of the
stream in the sloop Magpie

44 s

SN 6.5 a.

with my willing

and the stream S. P. 4 a

234 0

47 trials of chinaberg exporters

also find your water is freezing
2492 - Somatra
2493 - Somitra
2494 - Nicine my police or Joe Rame
2495 - John the?
Bulky material

2519 I, 5G - 2I, 4G -
"2406" naval/med, 1R
2733 I, 3G - 1I, 3G -
2754 2I, 4G, 1R
2755 2I, 6G, 1R
2756 1I, 3G, 1R
2771 1I, 2G - 1I, 2G, 1R
2780 3G - 1I, 3G -
2782 1I, 3G - 1I, 3G -
2783 3I, 4G, 1R
2784 no bulky
2813 1I, 3G, - 2I, 3G, -
2818 2I, 4G, - 2I, 4G, -
2829 1I, 4G, 1R
2833 2I, 3G, 1R
2846 1I, 4G, 1R
2867 2I, - 1R
2870 1I, 4G, 1R
2875 2I, 2G, 1R
2874 2I, 3G, 1R
2894 2I, 4G, 1R
2910 2I, 5G, 1R
2911 2I, 5G, 2R
2926 - 3G, -
2966, 2970 no bulky
2985 1I, - 1R
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James Zarucchi
Harvard Botanical Museum

Apocynaceae
esp. Couma, Parahancornia, Hancornia, Laemellea, Pacouria, + Ambelania s.l.

*forte*

Neocouma
ferrostreemiacea
(FLs)

Send to Velma Rudd at duplicate

J. F. Ramos
Luis Tello
C. P. Monteiro
Jose Guedes
Aurea
Silene
Lucia de Alencar
Sebastian "Taba"
James Zarucchi
Harvard Botanical Museum

Apocynaceae
esp. Couma, Parahancornia, Hancornia, Laemellea, Pacouria, + Ambelania s.l.

Neocouma fernstremiacea

(Pls)

Send to Velma Rutt a duplicate of a piece, at least of the 3 herbarium sheets or identify one from RN #2 from March 10 in the genus name after all.

R. Negro 79 - 208. Malabaricum (seed & piece).
Mun. de Mucugê, Serra do Sincondo to Andaraí. Elev. 950 m. Growing in soil near the top of mountain. Orchids and Bromeliaceae. Small, sticky leaves, few plants flower in color.

9 May 1976
Cleofé E. Calderón, Talmón S. Santos, and

Collected under the auspices of the Smith Society, and Centro de Pesqui...
Flora del Anilla -
2986
- 2492
--- 494 agrafia
494 189 R. Negros
189 683
683 15 Bahía
15 698
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H - Observações
2496, 1° no. of Amazonian collection (not shown)