

Brazil 1978

Bahia

MEMO BOOK

42 SHEETS 6 IN. x 4 IN.

Formerly
No. K-4216

Camp Manufacturing
Baltimore, Maryland 21230

Sheaffer Eaton Division of Textron Inc.

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70742 44522

Brazil 1978

with no n° de 1977 foi
2459 (Rio das Almas)
Venezianor 2460 -)

flor to caifora

31 January

3^a 31^{to} mate.

- 2460^v Retbergia
2461^v Acaulaceae
2462^v Jerneriaceae
2463^v Bromel. Tillandsia
2464^v Agnitateae
2465^v Boraginaceae
1^o Feb - 4^a misale
2466 Acaulaceae (blanca)
2467^v Alvimia tenuis
2468^v Al. grandifolia
(no herbarium)
2469^v Al. tenuis new local
2 Feb 2470^{FBA} Acaulaceae (vermelha)
2471^{FBA} Acaul. blanda
2472^v Acaul. flor pequena
roleta
2473^v Atractothoe radiata
2474 ~~Atractothoe~~ ^{Feb. 3^a} flores
2475^v Atractothoe radiata

Bahia, Mun. of Itacaré, on
ramal of Embratel TV
tower, 4 km from
junction with road to
Itacaré and 20 from
Br 101 road.
Serra do Jacutinga

Bahia 1978

mate, Jan. 31.

Retbergia = Chusquea 2460

Ba, Mun. de Itacaré, on
ramal of Embratel TV
tower, 4 km from
junction with road to
Itacaré and 20 from
Br 101 road.

Serra do Jacutinga

~~alt.~~

Alt: sparse, + 500 m alt
(no altimeter)

Retbergia in flower,
beautiful forest in
excellent condition on
high sierra!, bamboo
growing on slopes
climbing over trees,
plants or ground, not
forming dense clumps

not seen small ones
small group of
culm, here and
there, really mixed
in the forest.

At present looks like
the tick of glaucous
cicle. Plant looks
pretty and all over
by flowers.

I think it's the same
Kettergic I collected in
72 & 76 in jaguaguara
haze, but the isolated
leaves, few branches &
nodes, in great
Kettergic style! Culm
ariseous, ~~the~~ culm
leaves tightly persistent
In flower in head
or balls at end

of branches with
leaves complete.
(Lfl. look at first
glance and without leaves
A. thwaitesii) with
long setae? with some
tiny on top of setae.
Many in fl. in full
or partial anthesis
(~~that~~ I could not
photograph (upper)
plants or study in
great detail) very
rich, very rich

Still we were able to
find few new culms
collected a lot of
material of every
part of plant.

The inflores - looks
like a short pedicelated
"ramine" or
"ramide" unisexual,
confined on the
lower side

Few plots in color
and bl. & w. - from
material already
cut -

Fixed: FAA, Bouquet?
Inflores in 7 stages
buds, leaves,
bougat? 3:1?
bulky material ~~not~~ collected.

mate Jan. 31

2461

Acantaceae
Br, Mun. de Itacaré, on
ramp of Embatel, TV tower,
4 km from junction with
road to Itacaré and 20
km from BR 101, Serra
do Jacutinga
alt. ± 500 m. s.m. ~~Itacaré~~

Plots: roll #1 (Kodachrome
(ok!) -
herbarium only - no PRA? -

common in primary forest
on higher slopes of Serra
Beautiful forest with
bamboo (Chusquea, Scleria,
Rattus) in mixed
Many Marantaceae, Arcto-
ceae, and other Lamiaceae

plant.

Plants up to ± 1 m high
many with flowers but
still very young, few
infl. with bracts green.
Bracts bright light
red, outer red, flowers
yellow. They start
to open from the
bottom up.

monts 31 & Jan. 2462
Gesneriaceae?

near to Jacutinga, same
loc. as Retbergia.

In good forest on higher
slopes of serras -
dense forest with
bamboo. Epiphyte?, on
trees about 0.50-1 m
high. Flowers white
("arte Talmon")

herbarium only.
no photo, no FAA.

mounts 31 eners 2463
Bromeliaceae Tillandsia!

Terro to Jacutinga, same
loc. as Retbergia.

Epiphyte on a tree fallen.

Fl. blue & pink violet.

I think there is only one

specimen - put in

herbarium - (too rich to
to move)

mounts 31 eners 2464

Orquideae

Terro to Jacutinga,
same loc. as Retbergia

Epiphyte on limbs (ends
of a fallen tree, Very

small, a miniature of
no more than 8-10 cm.

Flowers yellowish -

collected also also? I think
it burned on the pick
up -

March 31st Jan.

2465

Boraginaceae

Serra do Jacutinga
same loc.

Growing in primary forest
on higher slopes of serra

Foot of trees and bamboo
intermixed. Shrub, about
1.50 m. with white
flowers.

March 1st, Feb. 1st.

2466

Acantaceae

So, Mun. Ilheus, road
Oliveira - Vila Brasil,
(road to fazenda Espiranga)
6 Km S.W. of Oliveira
Alt. 75 m.s.m.

Plants about .90 to 1.50 m
high, with white flowers
growing in "mata lito-
trane", Atlantic type of
forest on white sand
soil. Forest mixed with
bamboo.

microcole Feb. 1st.

2467

Alvimia tenuis

(300 m.)

60, Km. de Ilheus, 16,5 Km SW
of Olivença on road to
(Fazenda Espiranga) Vila
Brasil.

Alt. 75 m. s.m.

Same locality as first
collected and discovered about
2 years ago ⁽¹⁹⁷⁴⁾ place
look ~~was~~ a little
different. The bamboo
have been growing
for at least one year,
(I found inflores in
April 1977). First they have
cut a little area of
the forest to enlarge the
the original tract, now is

a wood for can, probably
for timber. There are
several patches where the
bamboo has started to dry
a little and now the
joint looks more open.

I was able to walk inside
more easily.

I didn't see inflores. so long
as last year, many
are ~~about~~ ⁱⁿ ~~or~~ ^{the} ~~medium~~
and ~~look~~ ^{are} like broken,
and, some split, have
already fell. Many
fruits on the plants
at all stages. ~~Also~~

Fruits look a little larger
than the ones of *H. gracilis*.
They are dark green
and ~~stiff~~ shiny and
a little curved on one side

like a bean. This is
more evident on young
fruits. When the fruit
is very large and plump
is less evident but still
curved.

Feb. 1.

2468

Alimnia grandifolia
60, Mun. de Ilheus, 15,7 Km
SW of Oliveira on road
to Vila Brasil (fazenda
Ipiranga)

Same loc. where it
was discovered 2 years
ago.

The plants still blooming
although in several
places already too
dry and post-
seedling had been seen
but I had to find
a fruit in the plant
The answer may be
that the fruits are very
large, larger than

The other species.

No herbarium collected
but few fruits in
FAA -

Feb. 1

2469

Alvimia tenuis

ba, Mun. de Ilheus, road
Olivença - Vila Brasil
(fazenda Espiranga road)
18.3 Km SW of Olivença

Growing in "mata litor-
ânea", coastal type of
forest on white sand
soil. Forest partially
cut down. Plants
flowering but still
not producing
fruits.

Herbarium collected,
FAA collected

This is new locality

is very near the old
type locality, is the
same type of forest
in the road to
fazenda Espiranga

Feb. 2

2470

Scantacea

Ba. Mun. de Ilheus, road
Olivença - Vila Brasil
(road to fazenda Espiranga)
ca 6-8 km SW of
Olivença

Growing in coastal type of
forest on white sand
soil. Forest mixed
with two bamboos,
Aractantha radiata
and *Alvimia gracilis*
climbing plant ca. 4-
to 6 m high. Big
beautiful flowers of
brilliant red color, ~~the~~
stamens with filament
violet and anthers ^{cream} yellow

Photo taken in color
FAA

Feb. 2

2471

Acantaceae

Ba. Mun. de Ilheus, Road
Olivença - vila Brasil
(road to fazenda Espiranga)
6.5 km SW of Olivença

climber plant at edge
of good Atlantic type
of forest on white
sand soil. ~~tree~~
wood light.

climber on shrubs or
trees loc. 2-3 m. or more
Flowers white, anthers
cream color.

Feb. 2

2472

Acantaceae

6 km. N. of Alenas, road
Olivença - Rio Brasil
(road to fazenda Espiran-
ça), 6 km SW of Olivença

Growing in Atlantic type
of forest on white sand
soil. Forest mixed
with bamboo (*Bambusa*
gracilis). At this time
~~the~~ most of the bamboo
is dry and dead. The
forest has clear up
there's room to walk
between the trees, and
there is a much more
light.

This Acantaceae was

growing in a clear
patch. Climbing
plant, 2-3 m high.
Flowers small, lilac
with violet spots

Feb. 2

2473

Atractantha radiata

Ba. Mun. de Ilheus, Road
Olivença - Vila Brasil,
6 km SW of Olivença.

Growing ~~at~~ near entrance
of forest, "mata li-torá-
nea", on white sand
soil.

Small patch of *Atractan-
tha* in a forest where
Alvimia gracilis is
the dominant plant.
Most of the inflorescences
with pappiferate branches
coming out of the
inflorescences.

Feb. 3

2474

Atractantha radiata

Bc. Mun. de ~~El~~ Urua, Urua,
Road Urua - Oliranga,
28 Km N of Urua city.

Alt. 55 m.

Same locality as it was
discovered in 1976 and
probably type locality.
The whole population
still blooming, although
some plants start to
dry out. Most of
the inflorescences are
now pedicellate.
There are branches coming
out of the inflorescences

with seed nodes
and redunc leaves
and the end they
produce again 1-3
spikelets. They come
out of the ball as
spines or rays, the
inflorescences looking
like big stars with
the rays hanging. An

Feb. 3

2475

Anomochloa

Bar. Mus. de Mna.

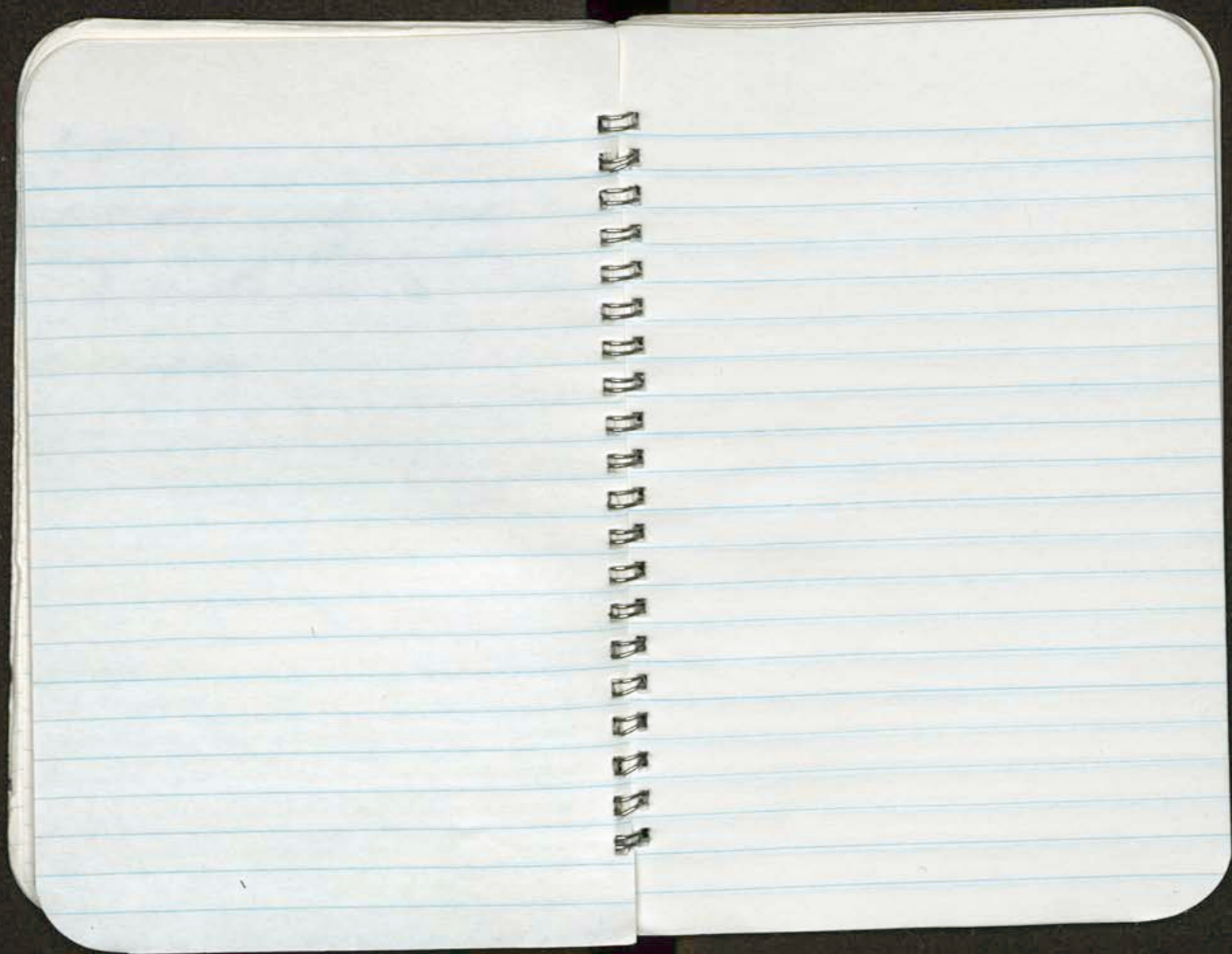
Same locality as the one
collected the first time.
Several plants seen with
inflorescences dry and
old. Hard to find
one with young
inflorescences. I have
no idea when is the
best time for flowering.
The plants have no
flowers or too old
and dry.

The dry inflorescences
have very large, huge

bracts.

collected only the
dry inflorescences
not the plants.

no photo -



Roll # 4 B & W
H. Lewis prints 2467

✓ insects
2461 Hailstone
for: none as Pithyae

Flan: scope not bright
and more bright pattern
that still part with
few flowers below
from inside forest
beautif

See
16
Roll (H)
2461
Hailstone
for: none as Pithyae
opposite

Roll # 7 B & W

Rolling of H. Lewis
H. Lewis prints

Flan: scope not bright
and more bright pattern
that still part with
few flowers below
from inside forest
beautif

Roll # 8 B & W
Rolling of H. Lewis
Flan: scope not bright
and more bright pattern
that still part with
few flowers below
from inside forest
beautif

V

mante

2461 Acanthaceae -

loc: same as Retbergia

Flor.: orange-red bracts
and flowers bright yellow
Plant still young with
few flowers open -
grows inside forest -
Beautiful forest with
many + plants in flower
Plants about ± 1 m. tall -
erect, slender, 7-8 dm.
tall color -

H. grows in same area
as Retbergia, with
many other Lamiaceae fls.,
Mentaceae, etc.

N

Serra-

2462. Juncaceae
same loc.

epifite sobre arbore.
50 cm. altura,
flor branca

2463 Tillandsie

epifita - flor azul e
coroa violeta -
extremos brancos -

2464 ^v Orquidea
mini org, epifita
8-10 cm - Flores
amareladas

2465 ^v Boraginaceae
arborescente, 1.50 m -
flor brancas -

thinking

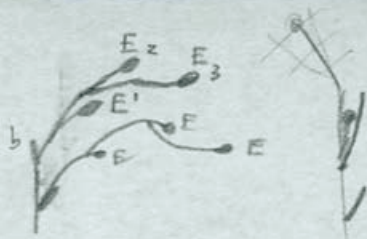
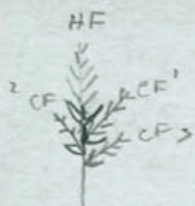
Olivera V micricole
2466 Acanthaceae? (or Scroph)
Fls. branched - altura
80, 90 hasta 1.40 - 1.50
growing with fl. faint
str. radiata, leafy
point.

~~2467~~ 2470 Acanthaceae
trepadora, 4 or 5 to
6 m - fls. small
corolla violet & anthers
cream -

2471. Acanth. or Scroph -
trepadora 2 m to 3 m
fls. white - anthers
cream

2472 - Acanth. de fls
violeta con manchas
violetas, pequeña, hasta

20'3 meters, trepalcure



Roll # 4 B & W
#. Tennis Court

Roll # 5 H. Lewis
not in the book ?

reading -
work with Mark

A. macrophylla
reddish - (in water)
pink flowers

Roll # 6 Erythronium
(leaf roll + late 15
must 1 out of 641 =
160

Becky of H. from ~~the~~
 middle of H. macrophylla
 2000 Kay. note
 opposite?

Ref # 7 B & W

Meeting of H. J. G. & Co.

[illegible]

Ref # 8 257-

[illegible]

Feeling the points
After work too

Roll # 1 Kottahne 64

Enonice III

bonie, nene de Joutinge

Hautbois

Nor of Retbergie in house

large de kene

Roll # 23 B2 W-

Y H = h all wrong

not wrong

Retbergie

House?

(too p'opling 202 of

Pr. p'opling 202

Roll # 3 2. Fhtuck 160

Retbergie in

Hautbois?

Alvinie this fruit

500

160
3
480

