

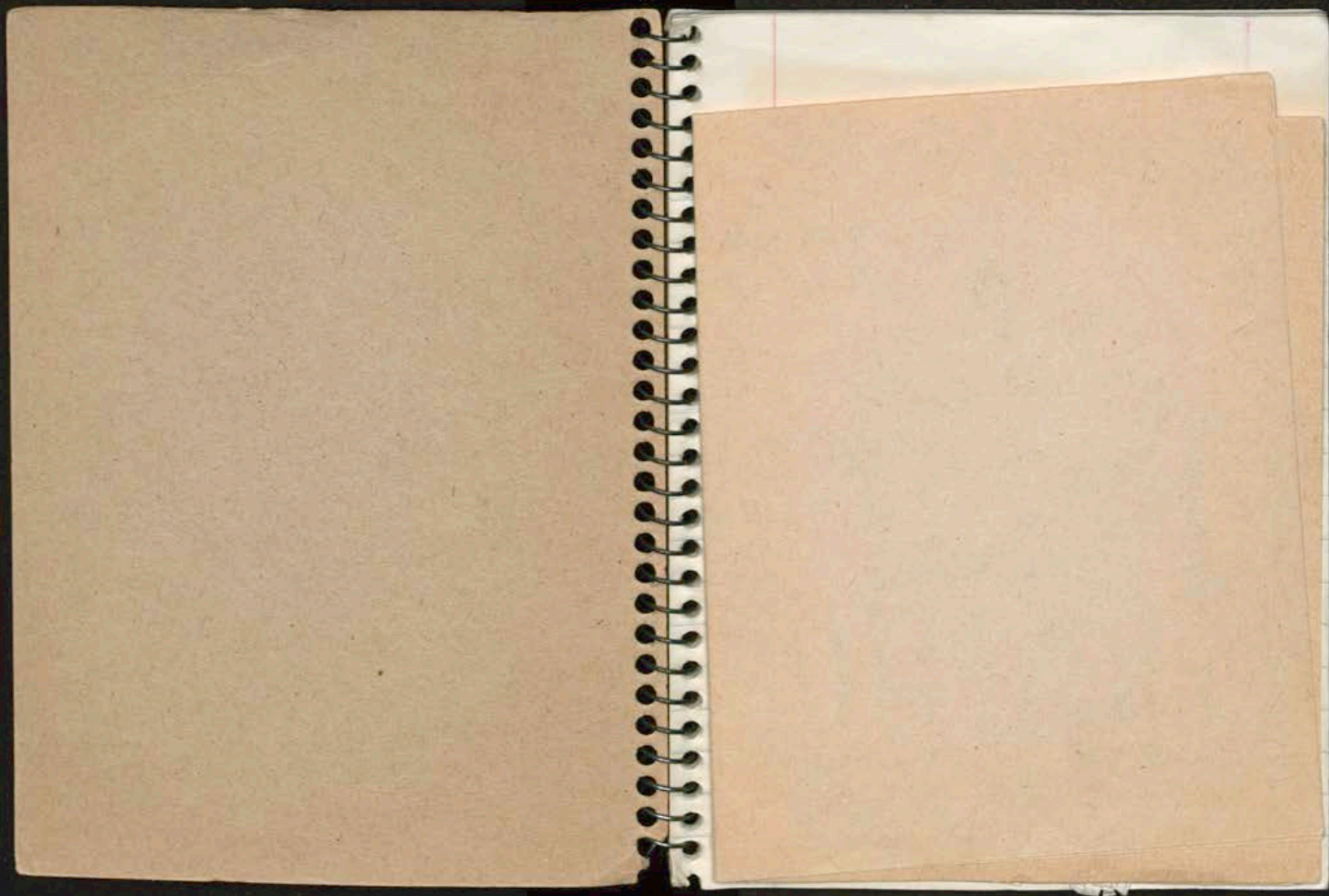
Brasil 77

PROP

Leo

Brasil 77

PROPASA



Manaus - ~~Caraca~~ ^{Caraca} [Vauje.]
wend - 2.20 2.m.
Caraca 4.40 2.m -

1
Merito 9 2
10.35.

1111.50 - Hotel

1025.

- ticket 1205.25 -

750 Fpe.

127.25 Ue.

319.20 Smt.

- per tier. 45. \$ / per 16 days: 720 -
taxi 50 \$

even by 100 \$

Bolic: dinner & collect. 7 days (15) 210

taxi expense " " " 105

collecting mpl. 50

365

100

acc. by
taxi

50

515

Miscellaneous 515.

per tier 720

ticket 319 1235

12350

1111.50

Indústria e Comércio
de Minérios S. A.
I C O M I

Divisão de Saúde
Farmácia

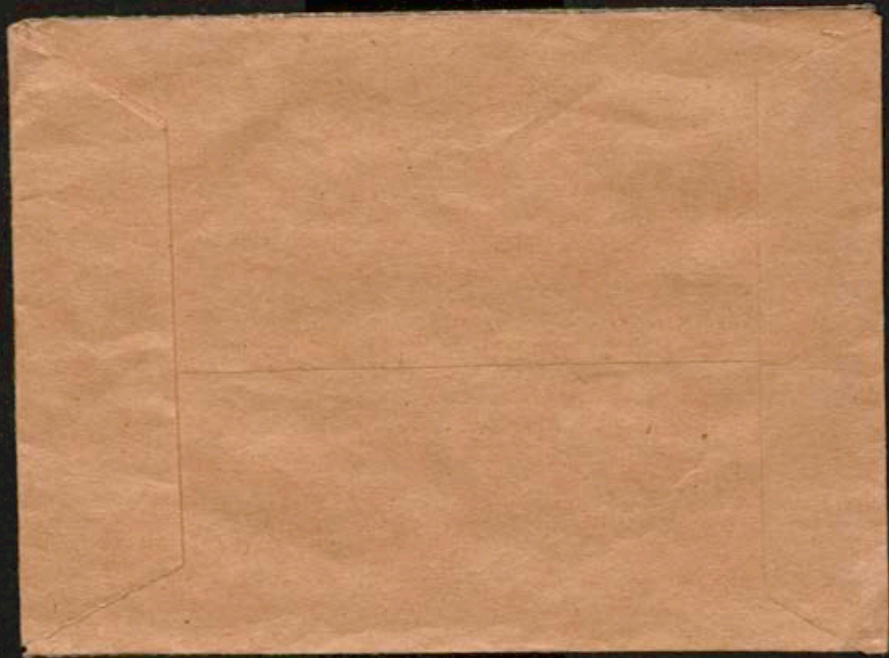
Nome:

Medicação:

A99

Modo de usar:

ICOMI — DSA — 079



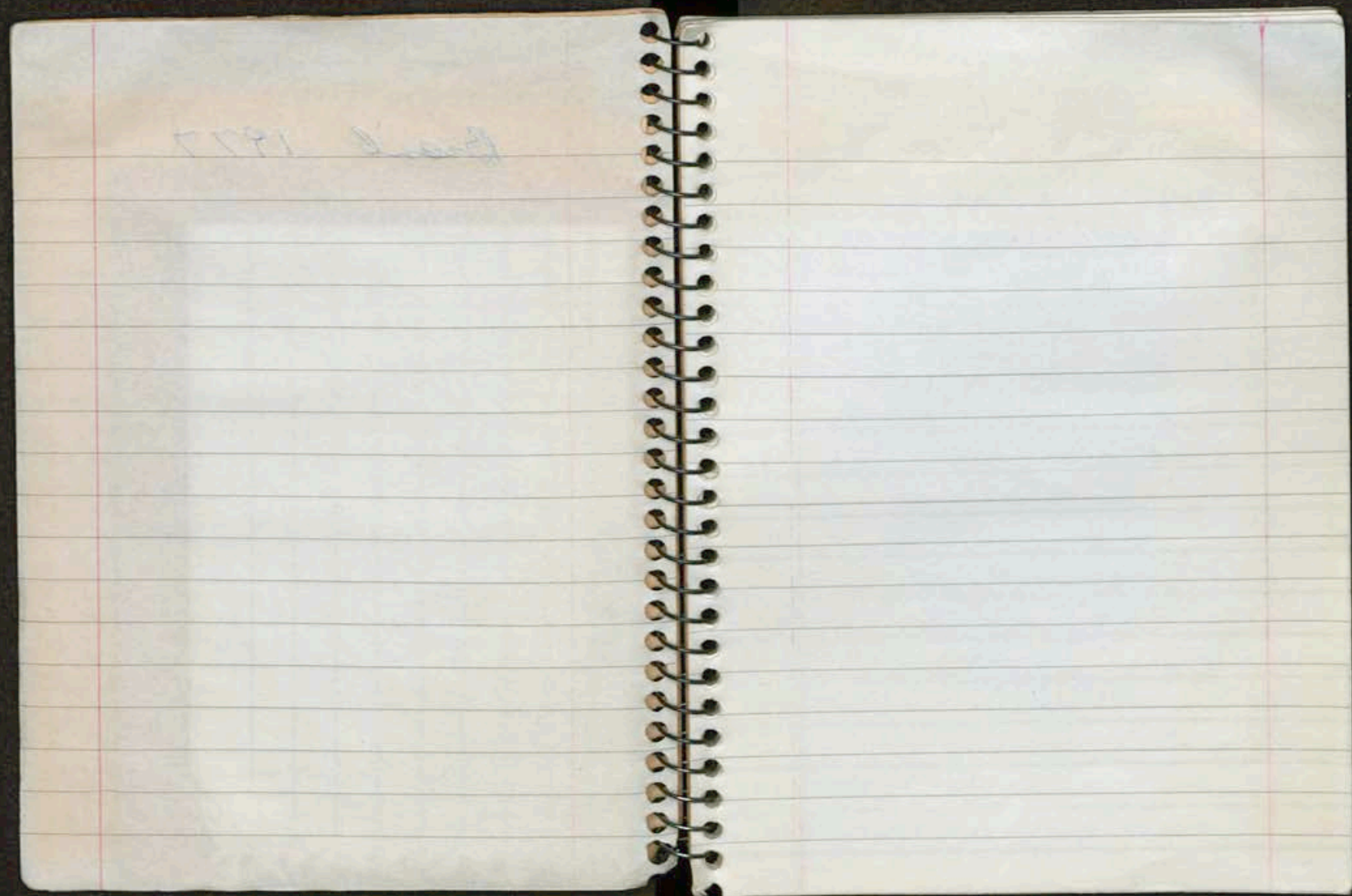
Campo de Queirós

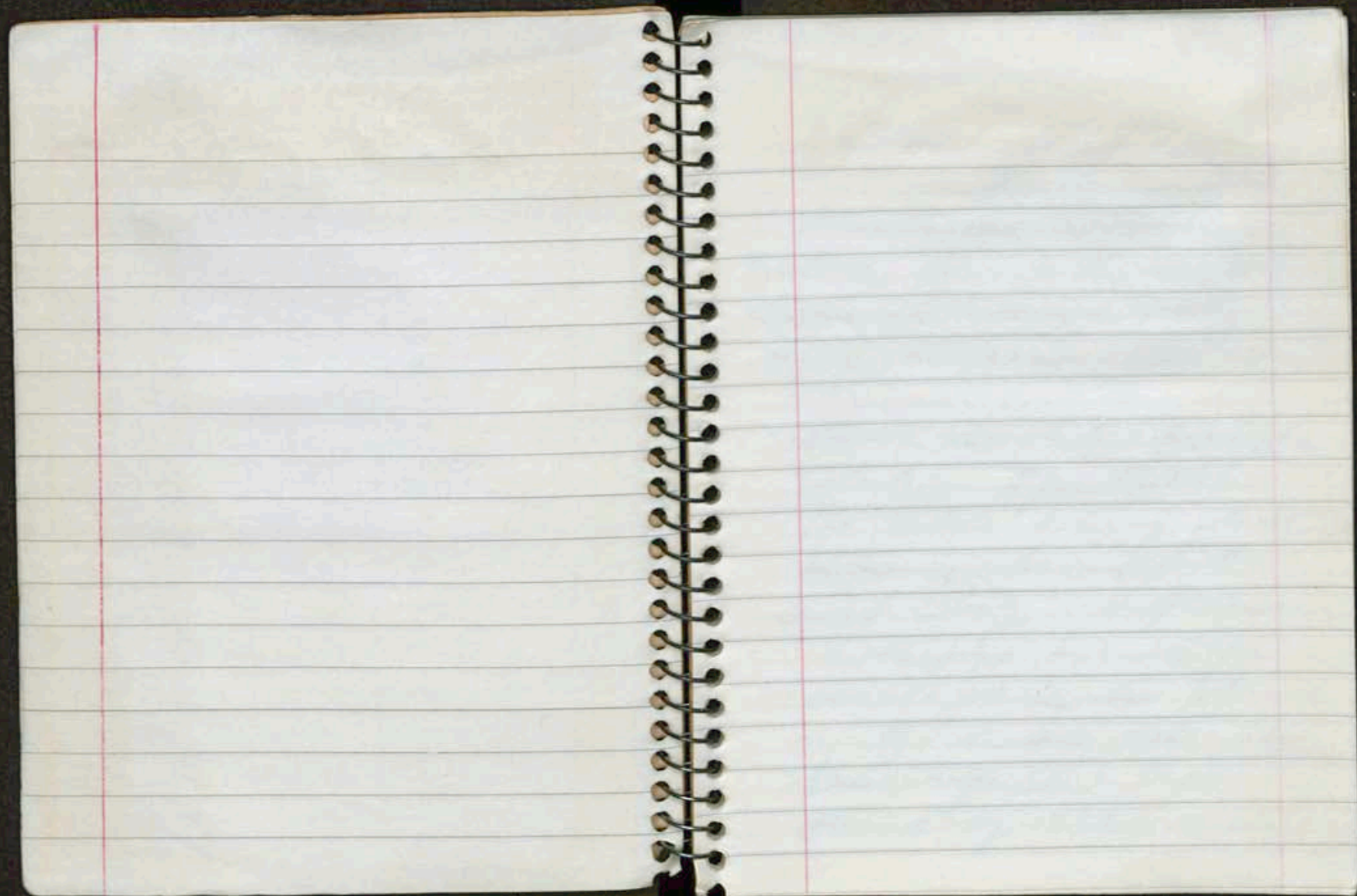
ANAGÉ A RIO DE CONTAS
172, km

RIO DE CONTAS ATÉ ~~COLETA~~
D. SILVINA 19 KM + 4KM

DA 2ª COLETA ATÉ RIO CONTAS
17 KM

Brazil 1977





2454

Phalaris nutans
Common, here it is very common
along the river, especially
N. of river.

Same locality as type
collected 3p. 1926.

The whole colony still
blooming, beautiful
with long, numerous
loose, bracts or
small leaves. Some
on the river bank, very
beautiful! - some
some of these small

2454

April 7, 1977

Aphatanthe realista

Bobio, Mun. de Muna, estrada
Muna - Olivença, 28 Km
N of Muna. (12-607
299-)

Same locality as type
collection of 1976 -

The whole colony still
blooming, beautiful,
not very. Inflorescences
developing buds or
small ones, some
with many ams, large
beautiful!
Some of these small

brackets with a
few antecia or
small seed at the
end.

Most of the ~~in flower~~
~~with~~ of this type

no photo, and fixed
material.

Not seen any well up
We didn't find seeds
either.

This site is very near the
ocean. About 100m +
faster up, ~~that~~ ^{the} road
turns toward the ocean

2457/11 and one can see it.

Herkman notes, collected,
only those with folio-
rised, in flower.

2457 (x) - to Lady, a Shrim)

~~2457~~ April 8, 1977
Alimnia ^{grolitis} ~~grolitis~~
fruits -

Men. Le Ilheus - estacade
Oliveira - ~~Alto~~ vila Brasil,
6 km se SW of Oliveira
(23 km se Pontal a 27 km
se Ilheus)

Plots D. & W. #1 &
color Ektachrome #2 -

Most of the plants
dry but some spots
still green producing
some flowers at the
end of the growing

559 Pj. Also many fruits
also seen hanging from
plants in # stages of
~~development~~ development.

Many, many seedlings
and small plants
seen under and
around parent plants.
In some places covering
the ground.

Small seedlings and
all the range to small
plants, ca 50 cm.

2435

Plum...
16 K...
K...
K...

We did not see any
fruits.
Plants looking beautiful
green and many
more blooming. Some
spotted. The
ones near road blooming
last year a little
long with long inflorescences.
There with small flowers.

2455

Alimia fruticulosa

16 Km SW de Olivença, 33
Km de Pontal - 37 Km
de Ilheus.

We didn't see any
fruits.
Plants looking beautiful
green and many
more blooming. Some
spots, probably the
ones we saw blooming
last year a little
long with long inflorescences.
Those with small leaves

much longer, 3, 4
times longer than
the new ones.

Some although dry
with some still green
at the tip.

Herbarium: only dry
leaf preserved. Not
a few younger for
comparison.
2 *Sarracenia* collected.
no photo yet
in FAA.

2456. *Artemisia tenuis*
2457. *Artemisia* fruticosa only.
2458. Chusquea
2459. Aporosa.

2456

April 8, 1977

Alvimia tenuis

Mun. de Ilheus, 16,5 Km SW
of Oliveira on road
Oliveira - ~~Val do Rio~~
Fazenda Espiranga. (Vila Brasil)

Alt. 75 m.s.m.

Same locality as first
collected in 1976. "Mata
litorânea", coastal type
of forest on white sand
soil. Forest dense, but
bamboo being dominant
plant growing in a

every single space
between the trees, on the
trees, climbing to the
higher branches and
then hanging from
them as Rafts.

This time this species is
blooming. The inflorescences
more or less similar
to the ones of *A. gracilis*.
Few or not too many
branches but very large
and delicate, with
spikelets white and
repeatedly of fragrant green.
Very beautiful in contrast
with the ~~flora~~ delicate

fallen of the foliage.
Some of these branches
reaching probably 30 cm
and a very interesting
phenomenon is that many
of the flowering branches
after a certain length
they switch and instead
of spikelets start produ-
cing leaves again.
In some cases I saw leaves
coming up in the middle
of a branch with spikelets.
In many parts of the
plants the nodes produce
flowering branches only
that means, spikelets.

coming out directly
from the woods.

collected a lot for
herbarium and in
FHA. 3:1, at Baguet.

April 11

2458

Chusquea

Bahia, Mun. de Rio de Contas,
Pico das Almas, "Campos do
Aneiros", 19 km by car W of
Rio de Contas and 4 km
walking

[19 km de Rio de Contas hasta
D. Silvana house and then
4 km climbing up. Road
goes on the Brumado river
valley.]

Alt. ca. 1400 m.

growing in rocky soil
at the edge of river.
Branches climbing
and leaning on
small trees
culm solid with
persistent sheath.

FAA. collected.

bulky motor: collected

April 11 1959

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

Barro Colorado

April 11

2459

Pseudorapheia

Bahia, Mun. de Rio de
Contas, Pico das Almas, 17
Km W of Rio de Contas

Alt. ca 1300-1200.

Beautiful, erect bamboo
growing at edge of
river. (seen on 2 spots
and collected on both).

Culms solid, reddish,
very strong - ca. 4-5 m
tall.

Culm sheath with
no demarcation between
blade and a sheath.
Drying very fast on
plant and splitting
on the back & side
and falling soon,
not persistent.

Branch complement
like "solidadites". Few
Few branches, these flat
and strongly adpressed
to the culm, usually
one in the center slightly
higher than the others,
and 3 or 4 on each
side.

Branches growing adpressed
and erect or slightly
curved. Branches covered
with leaves and small
branches. The branches
have very short internodes
and then all little branches
and leaves become crowded
and curved up.

leaves very delicate
and narrow.

Plants flowering!

Inflorescences are
small racemes with
few spikelets.

Spikelet thyrse type.

It seems that culms
have a groove just
behind the branch comple-
ment.

Bud complement start
with one single bud!

FAA: leaves, flowers, buds!

Bulky material: collected

Photos: color and b & w.

1. *Spilobolus* (Horn) Hook

2. *Spilobolus* (Horn) Hook

3. *Spilobolus* (Horn) Hook

4. *Spilobolus* (Horn) Hook

5. *Spilobolus* (Horn) Hook

6. *Spilobolus* (Horn) Hook

7. *Spilobolus* (Horn) Hook

8. *Spilobolus* (Horn) Hook

9. *Spilobolus* (Horn) Hook

10. *Spilobolus* (Horn) Hook

11. *Spilobolus* (Horn) Hook

12. *Spilobolus* (Horn) Hook

13. *Spilobolus* (Horn) Hook

14. *Spilobolus* (Horn) Hook

15. *Spilobolus* (Horn) Hook

as per in Monex.
fogacinho Jacare a devese

Tabela Vapo Foto - 578+320
Tabela Vapo Foto

578 5.5 comido

320 5.5 comido

898 - total fotos

cepl. lis 1170.50

- 898

272.50 ~~debe devese~~
cepl.

habe. ~~devese~~ 898 x 2
= 1796

- 578 ~~devese~~

1218 - 1218 ~~devese~~

Di 200 a lisch
" " a tabela

2618 (= 1400 + 1218) -

552 + 852

370 ✓

578

948

229.50

370

320

279.50 %

(8151 + 0001) 8152

2.151

Debo Kyu -

~~435~~

Takma' dio

578

to write

1/2

157.5 write

130

10

150

108

10

408

30

$$1575 = 15^2 \times 7 \times 15 \dots$$

852

5.5

1177.50 Lyselne
1177.50 Lyselne

105

5

525

53

~~578~~

578

1000

599.50

77.5

857.5



o papel da
PROPASA
criatividade