

Feb 1989. PB Study 24A
Field Notes

Trip to B.H. with bad back.

see Coendou's

* Typical day of PBs. locate groups; it rains; no cars where they are supposed to be.

* Grupo de Carlos - dragging us up + down hills

* Processing Pensy nor - ♀ aborts Pensy nor high on hills but overlooks road - Incongruity - later chasing Pens.

* 3 1/2 hr encounter between

Tres Machos + Casa Caída

* Bad back - Trip to + from B.H. - overturned truck
Beth + Zique

* PB with Riverbanks up + down hills to find them

* working with Z's group - 1st naturally formed group!

* kids show up w/ mammals - Cacador + hunters Sunday

da

Brazil - Playback
study
15 Feb 89

\$7.50/day Dak ar
13th 28-13 =

+ 5
+ 5

21
- 2 Zigue

19

- 1 Zama

20
X 7.50

\$150 for

Zama
\$142.50 for
Zig

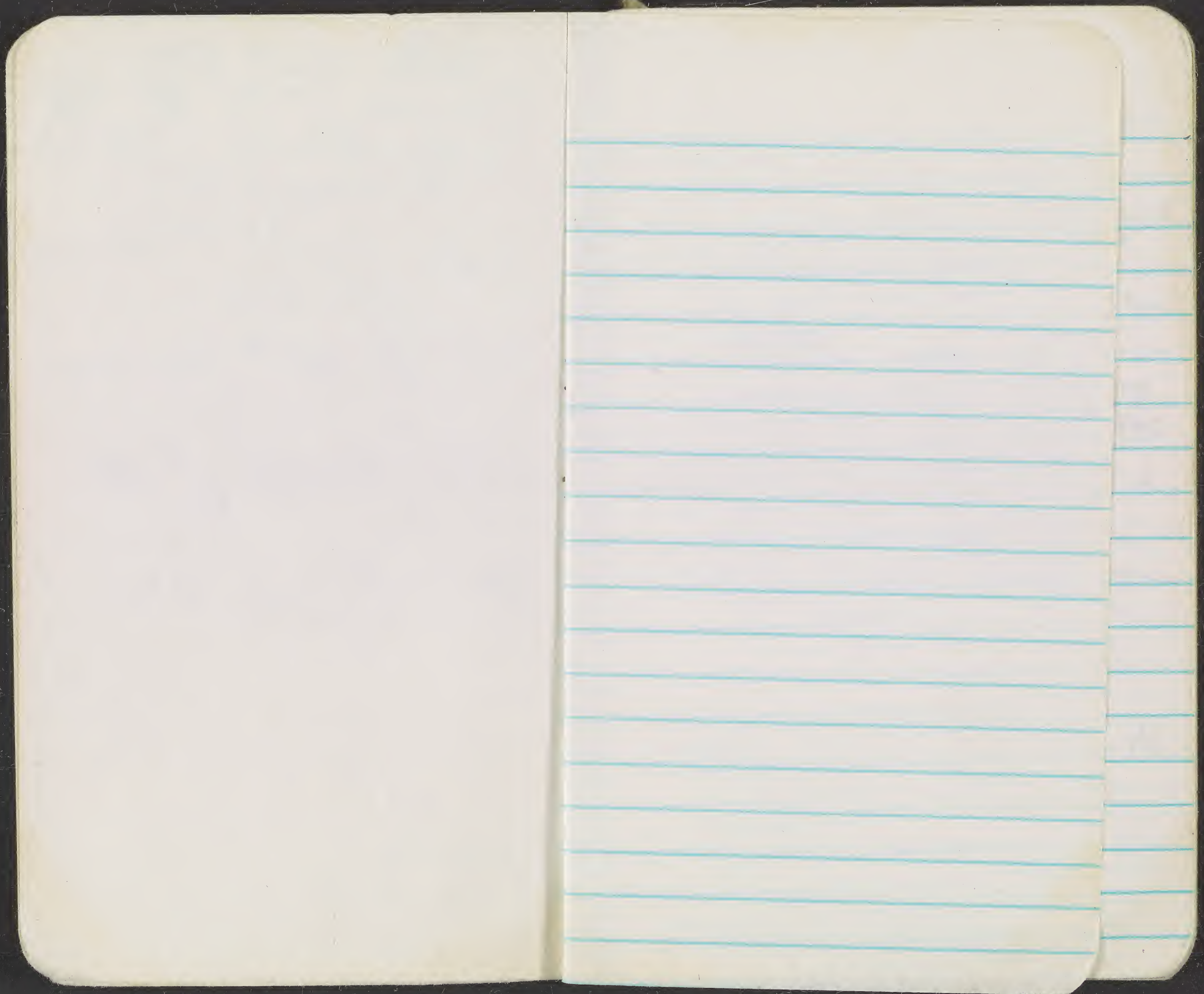
Calls used for
Playback study Feb-Mar
89
BLC 87-16 411-412
depoide whine

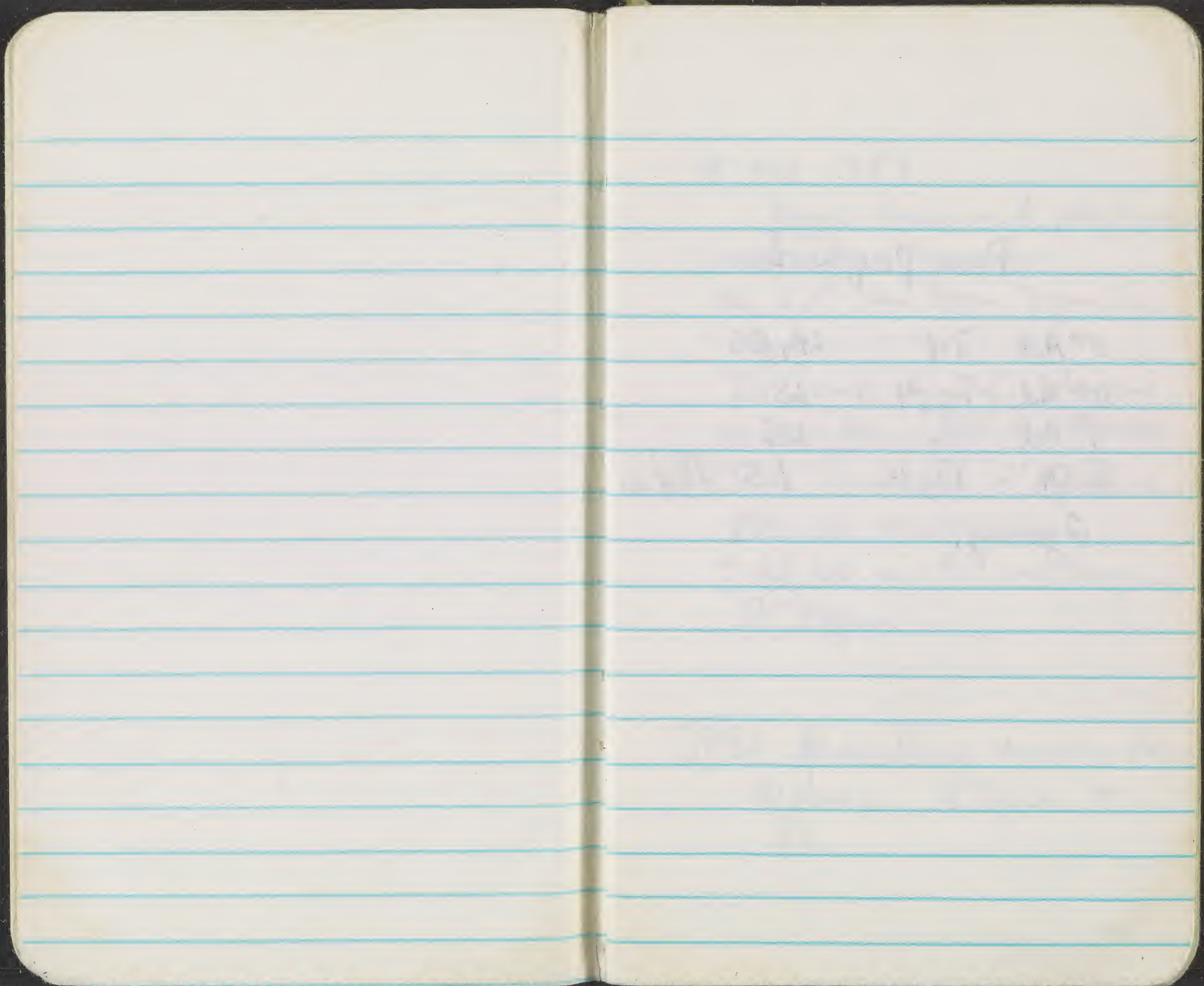
LC 87-46 #203-204
(after 10/14)

LCC 87-2B # 420-422

Bird Song Test tape # 150

~~15 Feb 89~~
15 Feb 89





Poco Pequeno

♂ Ad	T4	LH, RS
♂ Ad	T2, 4	LS
♀ Ad	—	LS
♀ SA	T3, 4	LS Radio

2 young,

15 Feb 1989

Begin experiment playback
with Poco Pequeno.

Has 2 ♂ new from Segunda
Agua.

We reach animals during
encounter. RR records enc.

0835 - Encounter 2° Agua e

PP in encounter.

2 Ad ♂ in PP are from
2° Agua.

0933 recording encounter
between 1° Agua +
PP.

don't record Jaws or Inf.

Caecador

		record
SA07	T1	T1
AO7	Radio	MA
SA♀	—	SA
Ad♀	—	FA
J♀	Aleg T1,2	
J♀	—	

2 Inf 2 1/2 hrs

PB order

- 1 hcc
- 2 Bird
- 3 SC
- 4 LC

10:28 End obs. + record,
left 2^oA. + PP
encounter to try
another group.

11:06 Contact with Caecador.
Sunny clear day
Begin PB with Caecador
11:30 hrs

Group is eating not
moving much.

They respond to 1st
PB of LCC very well.
They call and approach
the speaker.

The 2nd voc. The
bird song, they ignore.

Although the animals

000-
m road
51

separate towards the
end of the scans +
There's a lot of LCs
within the group, during
2nd 10 minutes.

They respond a bit
with SC after SC.
With LC they
don't vocalize but
approach the speaker
immediately.

LC was slightly softer
than the others, we do
a 2nd playback of
LC after the exp is
finished with same

result. Animal approach.
the speaker.

16 Feb

Awake 0530

Not into mata until

0830

Needed to try out
copy of tape. Sunny
clear day
Put alcohol in car

Took @ 30' to find

2^o Aqua.

♀ w/ Infants @
1 week. Moving more
slowly. T_{1,4} is
other adult ♀ in
group (reproductive).

Apparently she is often
on periphery.

There are 5 juvs +
a subadult ♂ as well.

We start experimental
playbacks @ 0930. The
first Pb is too weak,
so we repeat it at
a shorter distance. Decide
to finish expt with
Zik's tape (a copy).

Finish group @
1400 hrs. Eventually
decide it will take too
long to ~~complete~~ get to
2nd group.

Return to house @ 1500
hrs

2 ♂ that disappeared
mid Jan from Poco
Pequena appeared at
house + fought with
♂ Niko (who suffered some
cuts - leg + hand).

Later we decide to
release the ♂ tomorrow
+ move Niko's group (a
reintrodⁿ group) to Boi Branco.
I hold the equiv.

town mtg.

Process 2 animals

Eat, continue to discuss +
decide to move
the animals

17 Feb 89

0745 Make contact with P.P.
~~Group~~. Sunny clear
day. PB Experiment
with Pogo Pequeno.
Finish @ 1140

Reach rd @ 1200

no camp
1234 We eat + head
down road to
GC. Grupo de Carlos

3 am trees @ 3-5 x
to get group's signal
w/o success.

also Fernando was

Supposed to leave the
car at one trail.

~~The~~ Zama finally
gets a signal. Is sure
that the animals are
in deep bejo. But it
takes very little time
to find them + the
area isn't bad.

We manage one FB
+ it starts to pour
in the middle of
the 2nd set of
intervals. We finish the
one series + move to the
road. No carro.

We walk to the gate
Nocar: we wait a
bit. 15.30 hrs.

1527 - We sit by
case. Rain has stopped.

It's cooler.

We start walking +
Jumelson picks ^{us} up in
about 15 minutes.

18 Feb

0740 Grupo do Carlos
located other side
of road. Their
signal is pretty
weak.

0744 Still haven't ~~heard~~^{seen}
animals but
hear LCC calls.
Group in middle of
encumber with
Grupo Reuniao. Both
groups are outside
of their normal areas
in the range of
Grupo Callesno.

Encounter ~~seems~~ seems to
end @ 0835 hrs.
+ we lose the group.

0857 We've been
climbing hill + have
located sound of
animals They give
LC as tho isolated.

They remain on top of
hill for a bit + begin
moving down.

We begin scans for
playback @ 0930.

Finish with group

@ 1220. They

Cerro de
Carlos
/

Shek has
order
wrong

have dragged us up +
down hills. I fell
upside once +
sunk into the bryes to
my knees,

The ♀ of the group is
very nervous + overreacts
to the SC while the
group really ignores
the LC (the last
call).

We get car + meet Jadir
near the Rudolfo Sol
trail. Tres Machos
our next group was in
the middle of the
area where we had
been - on the other

hillsides. Jader has
just been with them +
suggests that they
could end up in an
encounter.

We eat lunch.

13⁰⁰ Start looking for
3 Machos.

Finally find them at
1400 hrs after
1 hr of tiring but
flat walking.

Work thru really
bad swamp area
before finishing
2 P.B.

Very closed miserable
habitat. A 40' walkpath

In the evening there
are 4 animals to
process from
Penscyhor. Radio
needs charging on adult
♂. All animals have
ticks from running on
ground. Are thin +
dehydrated. Adult
female aborts one
1½ - 2 mo fetus.

All animals are
weighed. Only 2 immobility
20.

Andrew used the
Walkman + a speaker
to bring the animals
closer.

2/19/89

Contact with Tres
Machos group @ 0749.
Tres Machos is LC + LCC
a bit; responding
to us. Were in an
area of encounter,
Zamel thought
perhaps encounter between
Casa Caida + 3° Machos.
Thanks ~~not~~ not - but then

yes
0753 Several animals LC
Casa Caida group is close.

0926 The animals
have been hcc
periodically +
continue to do so.

There has been little physical contact between the 2 groups & the animals periodically look as tho they are quieting down & moving away. But they've continued LC.

The juvs & infants are incredibly noisy with their rasping. Sounds as loud as the HC. As the animals forage in palms etc. the juvs. rasp & beg for food.

Zamq said that he not only had the signals of Casa Carda but of 1-2 males who had left Casa Carda.

10⁰⁷: The encounter continues. Periodic noise of juv + inf rasping and h.c.

T₃₄ of Casa Carda approached T.M. gr, chased T₀ + was within 3 m. of reprod. pair + new infants.

Then 2 SA
0707 T₃₄/T₃₄ play

10¹⁰,
within 2 m of parents +
infants

Later adult ♂ with
radius from CC group
approaches and is
within @ 10 m of
parents. T₂₄ of
T.M. group + adult
♂ of CC group are
with arms reach of
each other.

We do about 3 scans
between 09¹⁰ - 09²⁵
but quit because of
The numbers of LCC.

I record vocs between
about 0830 - 1115 during
the encounter. Enc.
was at least 3 1/2 hrs
long based on arrival/dept.
leave area @ 11:15 hrs.

Return to house -

3
Andreia shows up w/ 2
monkeys. 1 female from
Pensuynor + a 2nd ♀ w/
tattoo whose ID is v.
unclear. Can't figure out
if she's wild or reintrod.
Either way she's moved a
long distance. Either from
PdA. or a Riverbanks
animal come to life.

I work on org. data in the
PM + read some Tom
Wolfe. 1st time ever
that I'm alone at
house.

Penscynor ♂ with
broken leg ♀ processed
at night.

They had been sleeping in
P. box when Andriana
arrived to release P.
group.

2/20/89

0830 Contact 3M
after @ 40min
walk.

Near area of
~~yes to stop~~ line,
@ 150 ~~to~~ m.
away.

Yesterday's area @
1000 m away

The group is moving
We follow thru
Areggio are
finally able to
start last 2 PB
@ 0910.

My back in terrible shape
Twisted in AM before
leaving.

Finished PB @
1050 +
returned to house.

Prepared for trip to
B.H. w/ Beth.

My back is terrible.

Good flight w/
2 men from Longman's
English publisher +
English language textbook
writer from Cambridge.

Jody meets me with
wife Kathy. Buy drugs.
Cocktail party with
Jeremy M., Jo Bippis, Celio
Ilmar, Russ M., Cecilia,
Zigme, Fernando Claudio
Padua, Kent, John Robinson
Back to hotel - more beer.
I go to room to prepare
talk.

21 Feb 89

- ① Prepare talk
Bkfst w/ Coimbra
- ② To Jody's office
- ③ Palestra in Portuguese
- ④ Congrats.
Interview w/ o Globo
jornal do Brasil

lunch Kent Redford
Vonia; a few talks
in the P.M. Then
OHLT mtg with
Jeremy, Coimbra, Ibsen,
Russ, Anthony Ry, Claudio,
Langguth.

A bit heated @
Ilmar + the Diez's
proposal re: Una.

Last talks: meet
Decy Meis Ambiente of
Belo Hor. Wants OHLT.

Back to Hotel
dinner Coimbra, Jo G.,
Jeremy.

To Bed. Back
somewhat better.

22 Feb.

Up @ 0430 to
catch 0700 plane.
Met by Beth + Zigue.

Drive back takes 5
hrs (leave Rio 0830
arrive home 1330) due
to overturned truck
in middle of road.

My back deteriorates
& I spent rest of PM
in bed on back, reading ^{Tom} Wolfe.

Dinner OK.

Everyone especially me
picking on Rosanne, inky
who has that quality of
asking for trouble.

23 Feb up @ 0530

Back feels a bit better. Write up notes.

Encounter of 4 animals with Xuxa at house

- T₄ left arm with radio
- ♂ T₁₂ "
- ♀ T₁₋₄ right leg
- T_{3,4} " "

0824 let Xuxa + start eating bananas.

Reunited in PM

24 Feb Dionicio removes Xuxa in AM - to Rio Zoo

2/27/89

John Robinson arrives
AM with mayor of Silva
Jardim + reporter.

We go out midday to
look for *Kannabateomys*
John, Jody, Cecilia +
I. See one in
Bb patch but they
can't get it.

Go out again between
1700 - 2000 +
See 2 *Kannabateomys*
in Bb stand,
One before dark that
runs thru Bb ↑ + V
and across patches.

The 2nd observ. ^{was}
Very body of an
animal eating after
dark. Seen via
headlamps. Red orange
eye shine.
Sitting holding stalk
in hand.

2/28/89

Went out in AM w/

Zigue, Janna, John R.

to do experimental
playbacks with agents in
Lincoln group. ^{road}

Group moves little.

♀ stays away much
of the time while ♂
interacts with 2 young.

Juveniles are ♂ + ♀,
look different ages.

Animals respond to
FB with some movement,
but mainly vocalizing!

According to Zigue
their response was better
than the other 2
released groups.

Played back some
clucks at the
end and got them
ICC + Clucking
for several minutes.

Clucking very contagious
+ almost always done
in pairs or trios.

Later a juvenile
rasped several times
very loudly —
which we hadn't heard
before.

Back to Reserve.
Had group meeting

in afternoon with
Otavio, Jody, Cecilia, Andrea,
Beth, Zigue, James,
Fernando, + me.

Two hour meeting covering
what people had done +
were doing; problems;
etc. Seemed to go OK.

Dinner w/ John Robinson +
Elizer came to
meet J.R.

Reddish caterpillars
tiny ~~cat~~ coral
snake

①	Contr	②
②	LC	①
③	SC	③
④	Lee	④

1 Mar 89

Start looking for
Riverbanks
@ 0940 (to car)

Up down + up a
hill

1046 Find group at
comedor near
box - Original site

T ₂	K20 → *
T ₄	K30 →
T ₀	R 6 + *
T ₁	R 7 +

1107

Group on trunk/tree
Young ♀ R7 playing

4/20 Group responds
immediately to LC
with movement towards
speaker & some LC/sec
but the response fades
w/in @ 10 min.

♀ R7 + ♀ R6 begin
playing on ground

noon ♀ Owner + 2 men
come up hill looking
for 4 men w/
arms (us)

As we crossed from
other side of hill
2 women had
reported presence of
4 men.

They had dog
& animals came
down to meet
the 3 + the dog.
NOON —

Group begins playing
again in B-
@ 12:40 but
K20 doesn't
join in, perhaps

to conserve energy. R6
joins in part of the time.

T4 - coprophagy
Adult ♂ moves well
when he wants to
follow.

Leave group @ 14:50.
In response to LCC
They moved but no
Vocs.

Recordings mainly
of chirps; Tsiks
during play.

Discussion w/ Andry re:
Encumbers + high school
prom.

~~Cerveja - Jéris
Siquat's Bunga
Zuma's Jukung +
imitations~~

~~Clallia cheerful
stopping smoking
Janilson burned hand
Otaio - adulthood w/
Tania~~

Fernando - 10 thumbs +
confused, but sincere
Zigue + Zama history of
early hunting for
gamba to eat. Favorite.
Constantly comparing how
equipment problems ^{much each} works.

Armen da mata
Travelled over more over
Reserve than ever before

22 Wed fly back
→ Reserva @
1330 hrs on back

23^{Thur} in bed PH reunião
after etc. at Boi
Jody + Cecilia arrive
early - Dionisio

24 Fri Rafael visiting
Oleh a casa on floor
Oleh talk with
Dionisio

25 Sat work at home
long talk Fernando AM
" " goes at
party
Andreia niece party
Talk w/ Beth in car
going + coming
Pizza
Talk w/ Jody at lunch

Casa
Muneyo
Insects
back
scorpion

Discussion
 Encombe
 prom.
 Casa
 Muriço
 Insects
 Cerveja
 Siquel
 Zupnik
 imitaf
 Cellia
 Stapp
 my
 back
 Janilson
 Otavio - a
 Tania
 scorpion
 Fernando
 Confue
 Zigue + Zan
 early he
 gamba to
 Constant
 Equipment
 Honen da
 Travelled on
 Reserve than ever before

- ① food + meat
big shopping
- ② cars blackboard
- ③ Having enough
meetings: minutes
- ④ catching
micos.
- ⑤ salaries
- ⑥ Andria +
Beth replacement
- ⑦ organization of
stagiero time.
- ⑧ Distributing
responsibility
shopping
cars
accounting

Discussion
Casa Encumber
Muneyo from

Cerveza
Insects
Signal
Zupupa
imitate

Celtia
Stapp

my
back
Janilson
Otaio - a

scorpion
Tania
Fernando

Confue
Zigue + Zan

daily he
gamba +

Constant
Equipment of

Homen da
Travelled a
Reserve than ever before

Fernando
① rigid

② orders, people
doesn't ask

③ changes plans,
makes them more
complex.

④ delegates ^{doesn't}

⑤ forgets to do
things

⑥ complains about
people; then
makes same
mistakes.

Celia

Discussion
Encomber
prom.

Casas
Muneyo

Insects

Cerveza

Sigruat

Zurupa

mitafr

Cellia

Stapp

my

back

Janilson

Osario - a

Tania

scorpion

Fernando

Confue

Zigue + Zan

early hu

gamba +

Constant

Equipment

Homen da

Travelled

Reserve than ever before

① Project cannot run without cooperation; w/o people helping each other,

② Each person can't do their job properly w/o others. Interdependent,

③ People have to have respect for the jobs, knowledge, positions of others - or project can't function.

④ Everyone needs to learn to listen more to what

purpose of about

2 Mar

0803 arrive Pensacola

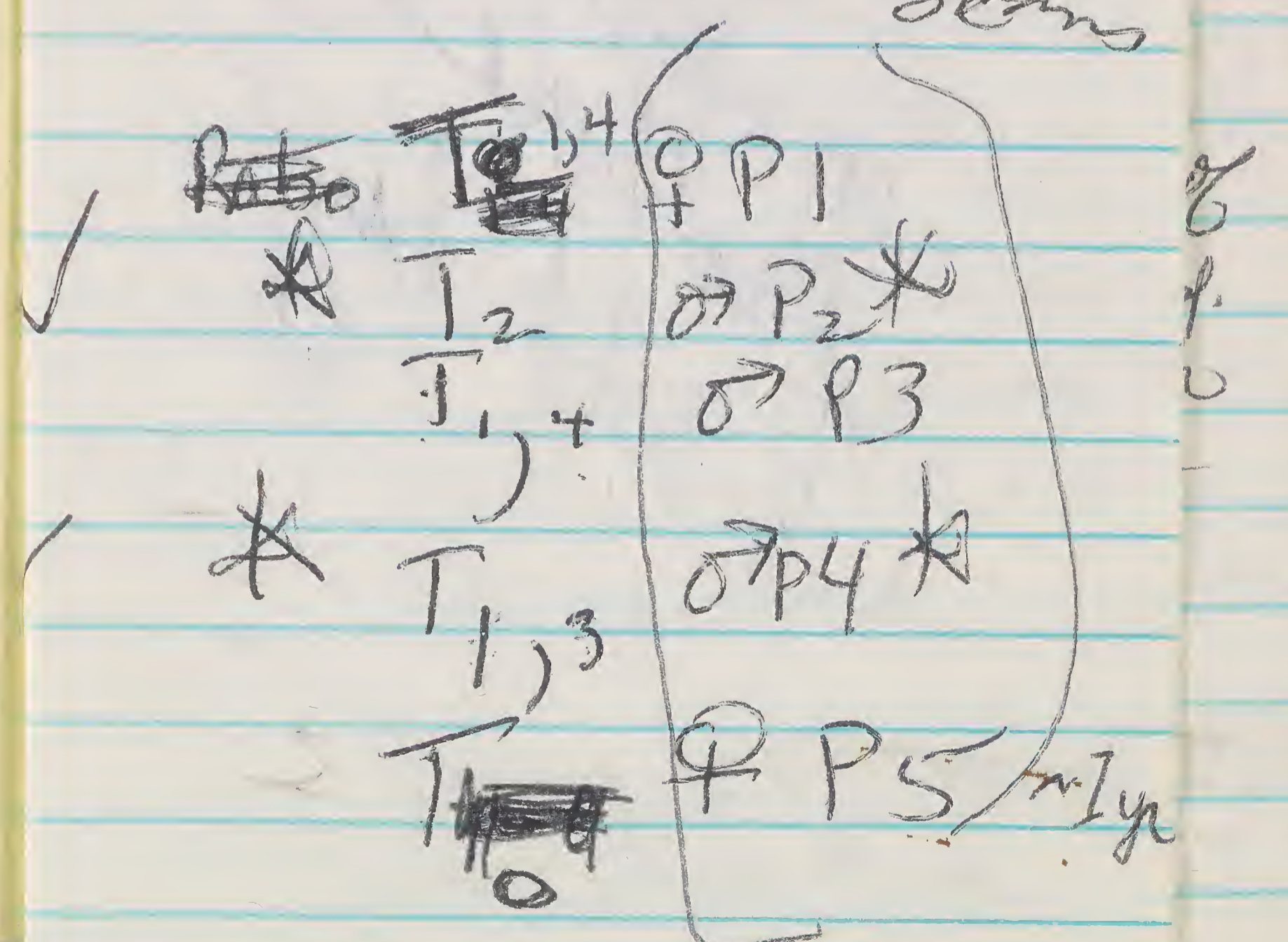
order PB Pluh

① Control does
② LL PB nek

③ LLL Adlibs

④ SC zeke

Zanna &
Seamus



Reserve than ever before

Equipment
failure
all day

10²⁴

has moved
Group ~~moving~~ several
100 m up hill.

We need to remain back
because they are
spooky. They LCD
to LC, but kept
moving uphill.
Did not change
direction. Lots of
noise from trucks on road.

1159 Strong response to
LCC - Vocals
moving back.

Using LC for
localization

(2)	Contr	(2)
(4)	LCC	(4)
(1)	LC	(3)
(3)	SC	(1)

Last 2 PB included
 Andriani + Paulo Cesar
 I had trouble w/
 1st + 2nd PB w/
 securing the connection.
 Finished group @
 12:30 hrs,
 grp had travelled
 700-800 m during
 expts.

#	<u>To Frankfurt</u>	PB
↗	QR5 T ₄	order
↘	F ₂ T ₂	(1) SC
	F ₃ T ₃	(2) Contr
		(3) LC
		(4) LCC

1335
 reach
 Frankfurt
 box

1344 Animals are
quiet. Resting over
moving steam.

Too much noise
from running H₂O.

1345 1st scan

14 05 - 20 sec 1st PB,

1st PB = 5C

is @ 5 sec. late,
since the connections
aren't working well.

The animals are in
box but stick heads
out.

Evening: before dinner
out in Bk w/ Cecilia
looking for Kanna.

3/III/89

To Frankfurt to
finish PB ③ HC
Arrive area ④ HEC

0726
0728 see Colndow
(Zeke) 1/29 town

OURISO - Coenda

0742 Visual contact
~ 400 m from
box.

To begin scans @
0750.

Equipment
Failure
Injuries

Fugitive group

FU

♀

T₁₋₄

Left H.A.

♂ T₄

T_{2,3,4}

*

♂

group formed Dec '88

0930 Fresh LC x
LCE PB.

Group responded to
both w/ movement
delayed vocs.

Stopped at Bon

Branes to see Beth
course + arrange to
meet Beth at her
course

At gate to Reserve

2 young men w/

Cebus

Tamandua

Didelphis → gamba
with 10 young

were looking to
 They ~~had~~ released
~~already~~ a
 sloth. Met 2 more on
 road w/ sloth
 From Campor
~~about to~~ had
 arranged to meet
 Wednesday with the
 animals. From
 Conservation group

(4)	Contr	(3)
(2)	llc	(1)
(1)	lc	(2)
(3)	sc	(4)

3 III 89

1140 Reached Fujitiva
 group. in breju

T₁₋₄ ♀ T₄* = T₁₋₄

T₄ ♂

T₂₃₄ ♂

Worked w/ group
 until
 1530 hours.
 mainly on hill +
 in deep brega
 Recorded full
 side

Returned to house to find Cebus in cage.

Dio. had never arrived. They released the other animals.

Andy + I went to meet w/ Beth's course at dam.

Dinner w/ whole crew since it's on 090 night.

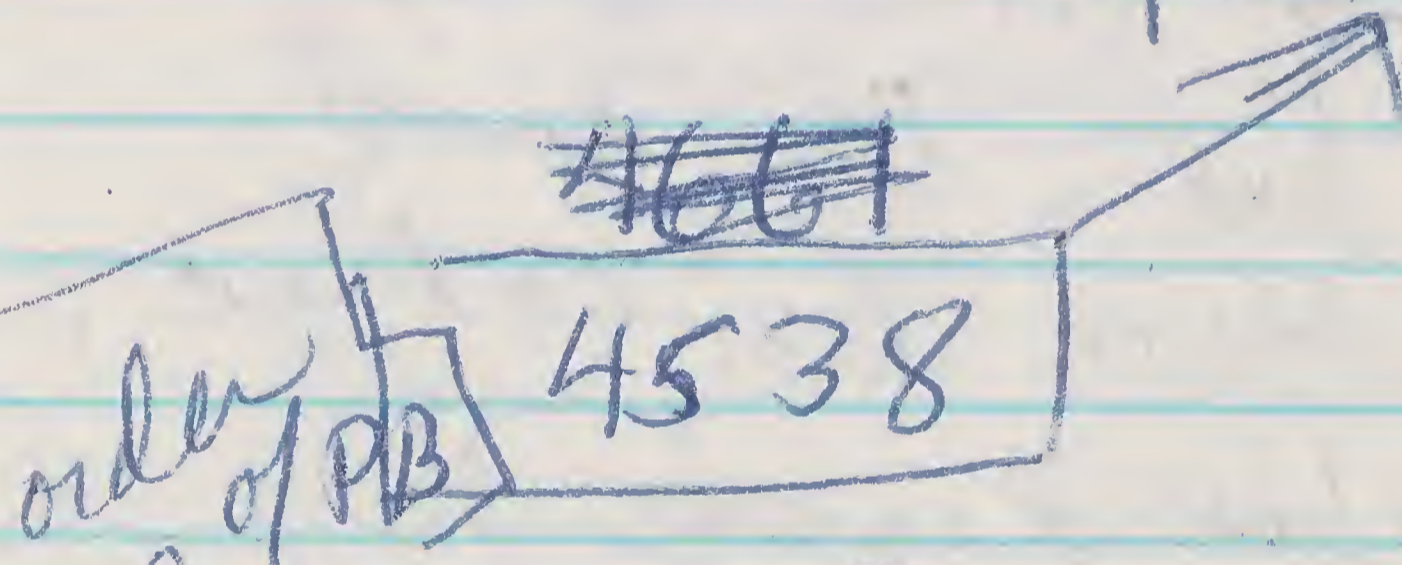
4 III 89

To do Gr. "Z"

Z = ♀ = T₀

RT 1 = T₀ radio

RT 2 = T_{2,3} radio



① LC

② Contr

③ HCC

④ SC

Yiguel
Thinks RT2
is breeding ♂.
Since he

consorted +
copulated w/ Z
after joining group

0815 Make contact
w/ micros. after
@ 40 min walk
↑ morning

Do LC PB 2x
but they don't
seem to notice,
we decide to
frankly discuss
do LC again
at end.

Point: "Z" never
had infant
experience before

growing birth altho the
2 of them had experience
in Rita's group.

Young born? Dec 88

0934 Corp feeding on
Cecropia fruit - long
thin bean-like.
Very careful when they
use since Cecropia
is so open. Zuma says
the fruit is very sweet.

1054 Play bout between
"Z" - infants +

RT, unusual to
have ♀ playing

after parsons

12⁰³ Strong response
to LCC.

Zanna + I couldn't
hear SC.
Replay.

12⁰⁵ SC call
w/ good response

13¹⁰ Did LC
after one
mess-up
Speaker not
working.

Starts thundering +
threatening rain
immediately
thereafter.

Group approaches
speaker + gives a
few LCCs, but
nothing prolonged.

Rain starts heavy @
13³⁰:

Return to house
soaked -
Clean-up
later discuss possible
new release sites

with Beth +
later go to
O' Cauchão for
dinner w/
Fernando / Beth / Cecilia /
Zigme / Andy / Rossano.

5 III 89

Sunday
Caçador

Enter trail @

08⁴⁰ 0815 -
08⁴⁰ Make contact w/ AP
group near trail.

0911 Still looking for
Caçador. Hear
dogs + hunters
close-by.

1000 Back to Cay

1018 At Casa

1030 Start to find
GF. They are
close to +
calling

Decide to quit
because it's
Thundering,
going to rain

Bamboo + sign of
rats.

Galea sitting

Handwritten notes in red ink, including a circled number 1 and some illegible text.

Faint handwritten notes in blue ink, possibly a list or a set of instructions.

Faint handwritten notes in blue ink, appearing to be a continuation of the text on the previous lines.

Faint handwritten notes in blue ink, including a circled number 2 and some illegible text.

③ 5 III 89 Grupo da Frente

89-60
④ "Z" grupo
excelsos + some of
LC by RTI (TS)

⑤ 4 III 89 Grupo "Z"
morning

89-5 3 III 89
⑥ Grupo Inghura
during PB
side → end of

[Faint, illegible handwriting on the right page]

89-4c

2 III 89 Passenger

0803hr

0815

← # 185

tape man without

stopping - no

recording

89-4b

2 III 89

Passenger

~~1120 AM~~ ~~APR 2 1989~~ ~~SC~~

SCs

12:11 after SC PB

→ ~ 12:22

3/III 89 after 2 PB

at Frankfurt

→ end of tape
ACC / TC

1 III 89 Grupo da Frade
20:00 Record SA before
No. 55. processing in air room.
Ad 07 on 5/10/89 in dorm.

89-36 1 III 89
~~Researcher/Student~~
during/after PB.
weekly recordings of
VOCs during play
→ #516

89-3a 28 II 89
PB of Clarks
to final group.
Recording responses
→ and.
John Robinson
Recording

~~scribble~~

554 → #

assume number
- 1/2 Cora Card

89-2a
19 II 89
Tres Naches

~~with~~ lunch tape

89-2b
19 II 89 → mud tape
Tres Naches
N. 0400 hrs.

and →

Begin Tres Naches
19 II 89 @ 0755 hrs.

89-2a cont -

[Faint, illegible handwriting on the right page]

182689

89-2A begin ~ 0800

The group occurs

no in presence

with Gugo Rana

I record → #190

CE begins returning

to road since they
were in territory of

other group.
0815 seems to be end

of encounter.

0820 Some LC. (~4)

Record thru #288

28

No recording during experimental session with
Crecider.

left groups.

→ 347

89-1b
||

20 Aug

89-1A
Emmett P. P. 4



rabo = tail

mão pelada =
raccoon.

focinho = nose /
snout

batteries — Playble
+ Solu
part of Summary paper
clip b d.

carry my stuff
back.

usências

Playback.

- ⑥ quem fez Playback?
- ⑦ quem fez scans?
- ⑧ Se o "playback" foi feito na área do encontro.
- ⑦ Outros pensamentos. estabilidade do grupo. condição reproduct. da fêmele.

During Kintrodacao

Playback.

6) quem fez Playback?

7) quem fez scans?

8) Se o "playback" foi feito na área do encontro.

9) Outros pensamentos.
stabilidade do grupo.
Condição reproduct.
da fêmele.

⑧ Alguns erros e
mudanças em
metodologia.

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batterias — Playble
+ Soly
part of Summary Paper
clipped

carry my stuff
back.

business

Jon at

next
meeting

All of us at
PdA at same

time —

Casimiro

during Ranthodreao

7530-00-222-0078
FEDERAL SUPPLY SERVICE