2 Nov 1987

7 Nov - 00:00 with Andy
Michael Benedict & Cibele

12 Nov
Riverbanks RH peripheral gaz
9 Nov - Difficulties finding Riverbanks

11 Nov - Tres Hachos with Andy
2 10-day-old info
constant rain & lots of walking
1st PB at Retiro.
Brazil
2 Nov 1987

Brazilian exchange rate: 
$68 / $1.00

0. D6K begins recording with recognizing “let’s go.”
Sony walk + play Voc's

6 Nov
1. D6K begins recording with recognizing “let’s go.”
Sony walk + play Voc's

2. Cordoba bypass surgery @ Oct 1987 - Cordoba complains

Nov 6
3. Smashed windscreen

Nov 6
Nov. 87. Mon.
Arr. Rio @ 10" hrs. Time
change (forward Brazil; back US. -> time difference of 3 hours (Brazil ahead))

Beth + Jaque meet me.
Beth in heels, black stockings, a new hair cut. She'd put on 5 years of age and suddenly stopped looking like a child.

Jaque had already left. The project + started classes in Biology, but he needed to return to Silva Jardim for a day & was travelling with us.

Got thru Customs w/o a hitch. The red light went on when I buzzed & I went to be most official looking or? He started going thru my bag, I acted ignorant.
He asked me where I was from. I said U.S. and showed him my passport. He said that I didn't need to be checked.

So off I went with 3 hand sets and transmitters, a receiver, a tape recorder, some other assorted electronic gear.

We drove back to the Reserve. I had not slept more than 1-2 hours on the plane and was tired. Nearly fell asleep.

Beth behaving in very familiar manner with Ziggi. She asked about Dinko - I said that she was very serious and was torn between leaving and return to Brazil.

Snippets of info: Ciblee like Michael is making a lot, although he is leaving soon, according to Beth.
The Reserve was practically empty upon return. Most were in Silva Jardim since it was the holiday of the "mortos" (dead).

Ismar, Jairo, Otavio, Tanya + families: Elegina, Jamilson (Jairo's brother) all at Silva Jardim. Laureno in São Paulo.

At Reserve: Beb, Michael, Cibele, Andy

We talk + go out to eat.

Of importance:

- Bebe was a joy to work with but Mike Poibe was a problem. He talked loud + in English + argued lots. Cibele couldn't deal with him. Even Andy said that he made him uncomfortable + that his presence added stress to an already difficult situation.
People working on reconstitution include:

Andrea, Luis, Cibele, Michael

Andrea (P. Caesar?)

(Former Paulo in forestry school, about to marry since he got his girlfriend pregnant.)

It's clear that more people are needed and that we must find solutions for the losses of people: Michael - Nov

Jamang - Dec

Beth - Feb

Andy - April

Cibele - September.

We discuss a bit about what to do.

I present some options: (1) getting more people (2) getting an administrator. I suggest that Andy, Cibele etc should talk and we should discuss at staff meeting when Jamang returns.
Dinner at Chaumascena between S.T. and Cañocho. Surprisingly expensive $8/pers.
Total $40.00. I agreed to pay.
Michael is driving since Cibele lost her license. "I'p papers in S.T.,
only forgot to renew this license, both cheeks in here.
The cars continue to be a problem. James has one car at the shop in S.T. at all times.
Apparently it's a friend so he doesn't take them to his Bonito where the good mechanics are.
Nov 87 Tues
Up @ 0530 hrs - mm + med + hit breakfast @ 0630.
Cibele is working on preparing food + filling the feeders.
Andy, Adriana etc already gone.

Both Michael + Andrea are off so the plan is to pick up
Tina + Paulo + drop them
at Newhaven + Jersey while
Cibele and I do Seattle +
Lincoln.

We first hit Seattle and
Cibele puts out food - @ 0830am
including distributed horns
The feeders, eggs + a goraiba
(special experiment) (near De
H20).

They go for De eggs immediately
but don't eat. The gorâiba
altho #2,3,5 sniff +
gently lick it.
About 0930 after finishing eggs they retreat to the top of the nb for grooming & resting. The feeder is @ 10 m away from the nb but they don't explore it.

It is of interest that Dec has been no problem with the bees this year. Either season or perhaps the boxes aren't attractive.

Apparently all groups except kakarabals refuse to use the nb to rest - both on & on top.

Their color & texture look OK - Better than Zoo

The group produces one set of hcs as we approach, with cluck/chirps.

Grooming group breaks up @ 1000. #3 & #5 locomoting well & begin
Food share

3 eats banana, but doesn't eat. 5 exploring palm

2 + 1 less exploratory.

Cibele says that they are often in C.

We leave Seattle and go to Lincoln.

11:00 hrs.

#1 gets an egg, all others.

Cibele indicates that they don't tend to eat eggs as much as Seattle.

#1 FS with #4

#5 also 2 eggs.

#5 eats FS from #2 at 7.

#5 to and finds papaya.

#1 picks several nuts.

11:36 #5 on yesterday's feeder.

#4 FS 1/2 banana with #1.

5 monarchs on feeder.

5 leaves + seeds banana from #1.
Lincoln locomotion not particularly good. Only locomoting on restricted pathway 2 1/4 cm. They act as though they are in a large cage with fixed walls.

L.4 eats feces from L.3.

Cicile says that 3/4 groups eat feces! All except Jersey. Am sure that the vitamin B in the banana Science diet mixture creates almost an infat. Good in feces. Just don't know how the process starts.

#1  A. W.

12/28 - They haven't gone near the new feeder so Cicile moves it closer to where the old feeder is.

#5 finds it immediately, this group not doing that well.
They are losing weight and not moving very far from nb.

The location for the new feeder is < 1 km from nb, in same direction. Also it is almost directly above the trapping platform.

#5 goes to goiaba (special experiment) 17 weeks.

1238. #17 1 3/4 in bromelaid mm. In some of the areas they have put up bromelaid to encourage bromelaid.

We leave at 1300 hrs and 3/4 animals go to feeder.

In evening, we clean & wash feeders, count outcoming food. The animals always eat banana but not all. The Science Diet.
Beth is in her organizing the GAT booth at the exposition.

We have beef (again) for dinner. Everyone seems to separate after dinner to work or do their own things.

Celeste is raising a young owl ("out of the jungle").

(Amy later figures that it is a spectacled owl).
4 Nov 87 Wed.

Up @ 0530 hrs. I help Cubele load the feeders & get organized.

I go out with Michael to riverbank group. The group is way up on a hillside in a very different habitat type than the others. Lots of vines, palms & bromeliads. Many very closed areas. This may be the difference in their locomotion. They range further & locomote better than any other group.

In fact, they look pretty wild at times. They move on < 2 cm wings & lots of mobile vine-y substrates. They walk uphill & push for standing leaves something to be desired.

Michael & I arr. @ 0809 hrs. I hear some long calls not far from no area.
They are very quiet and Michael needs to use the radio to locate them—although they are within 15-20 m. of us.

I keep hearing beginning long calls but have a hard time localizing them because I am trying to use the new Sony tape recorder.

I spend the first 2-3 hours recording voc.s. Mostly they start by alarming chirping a lot at me. I don't know if it's because I'm new or just behaving in a clumsy fashion.

They take a long time to calm down.

During the morning, we see O #2 following O mounting #1.
She stands but she doesn't seem receptive yet. It doesn't look like an introduction. Interesting, but they leave.

Group 4 are at some distance during the 2 mounting episodes. They are also very quiet.

At one point, the group goes into 3 grooming clumps; mainly same-aged animals except for infant #7 who is with adults or older adults.

#19 solicits grooming from older daughter quite shamelessly.

I collect vocalizations until 10:30. Then, from 11:30 - 12:00, he collects scan data since I seem to be having problems with the recorder. (It turns out to be no problem - just a button.)
Michael & I leave @ 1300 hrs.

The whole people schedule revolves around buses — i.e. when the S.J. bus leaves from near the entrance on the asphalt to go to S.J., the observers go. The morning schedule is haphazard. Cibele intends to leave at 0700 to pick up the S.J. is at 0730 at the asphalt, but that never seems to happen.

Michael & I wait to be picked for @ 30 minutes, watching 3 women bathing in a small pool, one wearing a classic brief bathing suit. The owner of this Azfanda is Husse who had the big party for his employees @ the Reintrod. Explained the purpose of about 6275 conservation.
The Riverbanks habitat is very good despite hillside.

The large group size might help to facilitate movement since group members must at some time be separated. 

But they also seem to be doing better at meromane feeding plant & animal too.

They are heavily feces eaters. Cebelle says that all groups except Jersey eat feces. I don't understand it. Heavy banana diet may I feces eating. I don't think that all of these animals ate feces heavily in captivity. But need to find out their diets as well as what type of cage they had.

After returning to house @ 15:20 hrs. We have the Jersey male in the lab with injuries to his leg. Dromoso has arrived.
with a confiscated female with a bad leg. Had been in a private home, aborted. Then apparently was bitten by a dog!

Having the F in the monkey pen in the banana patch! The female 4 and F X X X producing numerous song calls since they can see the F from their cage. They must have pretty decent vision. She doesn't vocalize.

I discussed my visit to Cumbra with Andy and the gang in order to plan my strategy since I intend to find out why she was so rude to everyone toast during Princess Anne's visit to CPES.

We are trying to organize my visit for Friday by. But Cumbra wants to earlier so we settle on lunch. Beth wanted it coordinated with everyone's visit (Jones, Idma, Stanford, etc.) to the Rio exhibition.
before dinner Andy Ablek Michael
process the Jersey 67 (21 the
broadie). He has 2 serious wounds,
one looking like a fly strike on his
tail base—though it's radic
needs removing. The wounds are
cleaned, given Furaclyt + DDT
around them, and an antibiotic. 
(by 8 Nov, he is doing really
well, the group is ranging 750m
from the box).

late dinner + everybody
deregulates.
Thurs. 5 Nov 87
Up early ⇒ start out by
recording Seattle 0° + 7XuXu
behind the house. Luis
Returned with 3/4 Jersey
group. We release the
2 0915. All animals look good.
The 0° solicits grooming
constantly, 1° He 7 obliges for a time,
but 7XuXu quiets. De 0° is
scratching constantly + shaking, as
though very uncomfortable.
He locomotes reasonably well but
won't move beyond nest box area.
The whole group ends up spending at
least 2 hrs in the nb., one of my more
Thrilling times. Initiated by 7XuXu raising
0° also seems to be rubbing genitals
a lot, but that may stimulate He around
at the tail base ⇒ be almost a
scratching movement.
The group stays w/in 15 m of
the box. The habitat is nice +
flat & with a good understory.
Easy access.

Animals in box (or in-out) from
0950 to 1115.
When they finally emerge #20 solicits age from #1 @ 5 times between 1119 - 1130 all near #6.

At 1136 some animals back in #6. between 1136 - 1201 animals are in and out of box again. 1152 - 1201 The #20 #6. grooms from #201 another 5 times.

She concentrates her grooming bouts on his neck area.

The group moves @ 15 m from the box @ The Jersey #6. Twice. She #6. again twice when the group is about 10 m. away from the next box.

At 1233, The group is manipulating on or near the grass where there is considerable leaf litter. Litter was fed on some provided bananas with some good chipping.

They continue until 1307 and the male is with them during this foraging.

Return to house + collapse — Can barely move. Still (?) adapting to food, temperature, + different sleep patterns.

Later Cible finds out from Jane that Paulo had forgotten...
to tell her oak trees had invaded the Riverbanks and we decide to return with a radio about sleep time to see where they go.

I sleep a bit but mainly feel drugged.

Tommy is back - we speak a bit about administration. I suggest looking for a full-time administrator. He recommends posting notices at FBCN & the 2 local universities.

In the evening we process 2 with the bad leg. It is very broken - complex fracture. So she is tattooed & we decide that she needs to go to CPR.

Later have stuff with Tom, Andy, Cibele, Itascal + me.

They have long discussion in Pat. Of which, I only understand a certain part. Pat relates to not having James et al visit. He imprisoned in Rio. There were some heated moments, but I decide
not to interfer. Later I do get
involved in a discussion about realworld
sushi. Caleb wants to get from the
roof, but she's weary doesn't want to
do because it might break tiles.
(Due to briers are feeding on top
garden).

Everyone is so tired so we decide
only to discuss urgent matters. I
pull out my list + mention a
batch of matters.
6 NOV 87 Friday
Up + catch car with Cindee, to get bus to Rio.
Michael has been chosen to be my guide.
An easy quick run.
Dionisio picks up + drives me to Combra's for lunch.
I'd been thinking of how to broach our sensitive matters for several days + trying to keep from being competitive + hostile — so Mae + I can actually find out what happened.
Arrive early. Combra does his typical interaction — talks non-stop @ GET matters + what he previously published. Information that emerged:
1. Kris online, an older F + a student were staying at CIN for one month, trapping rodents. Apparently he already found some new species.
2. Duarte Barros
3. Magnani were elected Pres. + VEEP of FBCN.
They had won and won against Alm. Hans and also Paulo Aquaroni Neto. The new Pre. was part of the old guard, with Paris.

I finally ask Cambra to: Princess went to express concern that the PdA people thought that he was very angry with them when they arrived. And that his schedule was nothing related to what they had understood during the initial scene of herectomy.

Cambra suggested that he had no control over visit, that the Brit. Embassy & Sonja Cuy organized itself. And then later when the PdA people were able to present their case, he said he walked out because he didn't want to interfere also that he was in great pain from his recent operation.
I talked of collaboration + better communication. He complained that no one ever consulted him. Jim didn't call him in the hospital.

Sam never asked him for advice. He only ever wanted CRJ when he needed something.

I indicated that our people might be intimidated by him; he couldn't understand why.

We talked about his obsession with fighting cocks. He refused to admit that he loved them because they are bred for aggression; he is aggressive.

Beth & Michael came to pick me up — @ 10 min after cornedra must leave.

We head to the Rio Centro (south of Rio beyond São Conrado + the new housing).

On the Freeway, the front windscreen smashes. Michael is driving — does v. well.
gets us to the side of the road.
We get out & remove as much
broken glass as we can &
drive to several places back &
forth on the highway looking for
an automobile repair place
to fix the windscreen. None of
us are injured—but all slightly
in shock because
1) we could have been seriously cut
2) Michael could have driven out of control.

We finally are sent to a place that
day they can repair it in 20!
Next door is a car wash/vacuum
place.
I recommend we fix the
windscreen & get the whole car
vacuumed.

We drive to the Centro to the
Exposition. Andrea is dressed as a
CULT. The KDL Reserve & the CULT
project are in the Center of
The Fair that has representative
displays/books from every
Brazilian state & many
Latin & non-Latin countries.
<p>Camba had visited (+ we hadn't invited him) the day before.</p>

We said that we had the best display except for 2 errors. The F. Roselia name should be Savu vermelho and we had the distribution wrong (doesn't include Espirito Santo).<br/>

Ive Hulbrett shows up & gets me to a booth to drink frozen maracuja and vodka (like a frozen daiquiri). Domacio + his wife show up. Some from BBCN. Later Beth + I walk around + I buy a few things.<br/>

At 20:00 hrs we get ready to go back in the red fusca (Tomate). Beth seems bent out of shape because of Figue who is coming back with us as well as Andrea + Michael.<br/>

It's started raining + Beth starts driving very
She tries to get into the back seat but Andrea beats her to it.

Beth ersatic.
Andrea next to Beth.
Michael, Zigue + I in back.
Beth's seat pulled out by Zigue.

Suddenly she stops & asks Michael to take over. Unbad driving rain on Friday night. Traffic, Michael gets us out of Rio. Beth meanwhile is in front seat whispering a bit, trying to make physical contact with Zigue who sits center rear, but has one hand on front seat trying to stabilize himself.

The rest of the drive home is like a Marx comedy. Ask Michael whether he is tired or at least if he is tired to stop & well switch. Almost simultaneously, Beth decides that she is so tired & she must get into the back seat but also that I should
out in front to help Michael. Michael then says he's tired + I ask about driving. Jorge offers + suddenly Beth lends up in back + me in front.

Jorge gets us back to PDA through some of the worst rain + traffic I have ever seen. Trucks passing other. They cannot see anything. Feeling all the time I as though you are going to get pushed off the road. Jorge drove fast but very carefully.

We arrived back at Reserva @ 11:30 (a short drive!) and all had some cachaca to stabilize.

Other bits:
Sonão fired from FBCN after the election.
Norma from Eda is pregnant.
3 NOV 87 Saturday.

After going to sleep at midnight, Andy woke me up at 0420 to prepare to leave at 0500 hours to follow his 2 Aguas group from that hole to what hole. I went to record vocs, especially encounter vocs, as well as follow him on the field.

We do all our dressing + breakfast eating with veggie lamps.

Arrive at nest hole @ 0540 hours, before dawn and stand nearby without speaking while being eaten alive by mosquitoes.

Monkeys don’t emerge until 0630, which is quite late. In fact, Andy got worried that they might have moved + uses his receiver, before they emerge. They are
quick & I manage to get some soft peeps.

Almost immediately Day began feeding on pijiri ca - a tree close to the nest hole.

The nest hole is in a broad tree stump @ 6'6" and 4 foot wide. And the fruit tree is just outside.

Animals feed & Day moves towards an encounter area where they tuck back & forth with each other as well as another group. Half the 3rd group go uphill just many times.

The others stay on the flat land. They start this encounter at 0900.

The group is huge; with the adult pair & a SA?

5 SA 0-2 (2-2 years; 2-1.5 years) and a new infant (0?)

@ 7 weeks old.
The infant is often on his own while the others are foraging. If upset, he rasps constantly. Otherwise he fiddles around. Does some solitary play etc. Cannot tell whether he's on or off by his vocalizations. He's off a surprising amount of time for a 7-week-old.

The group stays near encounter area with periodic beginning long calls. Andy thinks that the 2 groups may have made visual contact but the other group, Tres Macho (he thinks) retreated because they have new babies.

I try to track the # of L.C. and what gives them, as well as recording them with the Sony. If you may get 4-5 animal calling more than once during a minute scan so that it gets complicated to record.
About 1008. There is some more quiet with the # nursing her infant & several animals huddling.
Also a play bent & Andy points out the special ross short soft chimp feeding that occur during play.

From 1010, there is considerable quiet with maybe one # until 1038 when they start feeding & producing feeding chimp.

At 1040 — 1100 resting continues in two clumps of animals.

Then from 1100 they move to feeding tree with chimp & infant raps to be robbed lots of movement with some but not a lot of movement.

They rest again between 1120 — 1221. Then
suddenly everyone wakes up &
shrieks & screams & noises (S+F)
It seems to be directly under the
line of fire most of the time.
From @ 1230 until 1330 they
again restated & played.
Individual animals now. Small
groups played more.
Until 1330 when 1st LC in a
while was given. The group begins
moving & infant picked up.
Andy & I meanwhile are
doing fine since our habitat
is good and the monkeys not
evrey active.
The back & forth long calling
when the animals are separated
is instructive. Once it is
just the 1st two notes of the
whole call when the encounter
part is added.
I am finally beginning to understand the roos better. Although during play there are soft whines that I never recognize. I always hear them but cannot pick up on the function or context.

Also many BLCs within a sub-group are followed by a bawl by another animal, as a response. Don’t know the meaning.

From 1400-1400 the group mainly rested, but I caught a magnificent play play bout by the 3 males. They would chase +2 or 3 and up in rough and tumble wrestling. Then chase again. Went on forever but I couldn’t catch the preferred partners information.

Group deer start foraging.
Feeding on pixirica - food充足 are loud.
I try to record same.

1459-
Again between 1529 - a full ten minutes, I get to see an extraordinary play bout with 5 animals rolling + tumbling on the ground to 1 meter height.

From 1515 the group is involved in different activities + dispersed. Many rest, many forage.
One has been a lot of sprinkled behavior on trees forbs up to 25 cm since 1

Weather has been very hot.

Typical behavior for thermal regulation.

About 1545 the animals all alarm chirp + change position, but no real playing + resting behavior continues.
between 1600 - 1630 Day
don't move more than 20 - 50m
from where they were. They
forage, play + rest.

Then at 1638 I hear the
1st syllable of the "V" call
AAAAAA + think that
it is the play mate.

It was not. It is the
invitation to move, to leave.

I decide to call at the
"Vamos" call — the
"V" call.

And in fact they start
moving.

From 1643 - 1813 when they
enter the same hole from
which they emerged in the
morning. Different animals
vocalize using this call.

I started counting "V" calls
At 1700 hrs. Between 1700-1800, there were 29 'V' calls. A lot of stops/start, averaging 20-30 min per
stop. Whenever they started moving, someone made sure that they had the kid on a back. They
didn't expect a 3-week-old to travel with the group, so individuals would stay with the infant
to ensure that it was carried. Sometimes the infant was fiddling around, indulging in solitary play.

At one point, the group started heading uphill, and we thought we'd head for a honey nest hole in
bad habitat. They didn't go very far, however.
When the infant was being carried after the animal stayed in the rear. The kid was on and off erratically since it was never clear when the group would move.

They reached the tree trunk where they slept last night at 18 10 and most animals entered right away.

The infant went in and then emerged long calling several times before returning into the next hole. As though advertising its group presence to any local predator.

It was a superb day in the field — my first hole-to-hole drain melt. I cancelled any much grief either.
My day with Dr. Agna suggests the following possible studies:

1. Pleistocene + food preserves
2. Characteristics of nest holes
3. Locomotion
4. Development of behavior + play
5. Vocs.
6. intra sexual relations

On the way back to headquarters I spoke with Andy about administration and let him know that I might need to rely on him a bit more when Laurence leaves. We also talked about how to handle Laurence and changing decisions.

Beth was organizing Andy to visit Silvia Jablin for Elizabeth's birthday party celebration. Before they leave I sit with Beth and Michael and Caleb down to talk about Laurence and his administration.

My gist is that he is tense + nervous with a wedding going to Gainesville + not thinking. I recommend that they talk with each other + speak with him individually + or collectively to his administrative style.
Nov 87 Sunday

Out to observe Neotras @
0900.
Michael Bennett to jersey
Cleveland to Rivervale.

I was going with Figure to observe
4 record & photograph the
Gullery group.

Figure & I find a true coral
snake dead in the room.
on the way to jersey.

Observed drake between 1020
1130 AM: They move little.
do reasonably good af
many, but can easily make me
fall asleep because nothing
happens.

I take some photos
of feeding on captured prey.

They produce one series of
 thru gloop long calls as a
group — — —
Almost 10 minutes later the adult & l.c.
St & l.c. ; then 10 minutes later new adult & l.c.
The forage, mm, eat from the feeder, cat distributed bananas.

But basically look like aged monkeys even though the habitat is good.
The youngest animal finds some good animal prey which is stolen by the father & then when the young one tries to steal it, both the father pushes him away.

We pick up Cible, but she is low on the hill —
Says that the group is near the Bamboo stands about 200 m downhill from the hut & that 2 PP fought on the ground over a piece of food. I go back with
her to see the animals. One is arch walking - all are whining at us. Cibele feeds them some bananas.

Michael said he could not find Jersey for a long time because they were >50 m from the nest. He didn’t have a receiver. So they seem to be in good shape.

We are now more worried @ Reeds. They don’t have a nest box & it has been raining. Now they are fighting.

In the PM. I rest and meditate. Cibele, Michael & I go to SJ to band & record Elena’s & telephone Jim & get some urgent & not-so-urgent matters dealt with. We leave at 1800 hrs, hoping to return @ 2030. We finally return @ 2200 hour. Pizza was not good & I drank too much beer.
Long talk with Andy, Cibele & I. I am pleased at my relationship with Cibele. Think that she could be better organized, but that she has good people sense and good animal sense.

She has a lot of responsibility for the center, & is handling it well. I also think that I convinced her that I could help — not bnder.

I also realize that it takes me always at least a week to unwind & get into the stream of things down here.
9 Nov 87   Mon.

Michael & I → Riverbank
We arrive at the nb area @ 0846.

It is a long sloping slow climb
No group so Michael puts out food are. & gets everything organized.
Then starts locating group with receiver. We start uphill - although I couldn't believe that the animals would have gone up the top of the hill from the bottom in one day. We keep moving uphill on a slope nearly 75-90° at times. Hit lots of palms; some impenetrable areas & keep going uphill. At one point I encourage him to try all 4 transmitters & he does discover that the group might be split & certainly seemed to be moving.

At 1015 we made auditory

1. Search for Riverbanks uphill
2. No visual contact until @ 1015
3. 9 of our group are still conflict / one peripheralized
contact and start hearing lots of B long calls (=beginning long calls) from 2 different radar

Between 10'15 - 10'48. The group answers R4. After 10'48, R14, who we made visual contact with @ 10'27, L.C about 10 times until 11'00 hrs.

We do focal on R4 and set off to find the rest of the group. They have gone down and across hillside.

We start downhill and make visual contact @ 11'22 with the main river bank group.

Between 11'10 - 11'27 we hear 5 L.C. At the time of visual contact we hear "successive" L.C.

The group was across the hillside but still quite high up.

At 11'31 R5 L.C.
I get a good look at R3.
the 9 w1 which R4 is fighting. She looks fine except her lower leg is slack.

R4 has followed us to the group. She becomes visible @ 1135.

(1135) R4 begins to make soft contact calls.

R3 sees her LC and makes a series of clucks - moaning or unconnected calls.

R4 then starts making soft contact calls (1137) and then we hear a LC from ? I do some tape recording.

R4 making soft contact calls @ 1148*, 1149.

1154 R4 LC from uphill.
R3 is perpendicularly sitting between R4 & group. She is extremely vigilant, watching every movement.
listening carefully for R4 calls.

R4 makes soft contact notes, that we can hear periodically.

R4 Long calls @ 1155.

R4 soft contact notes (= first syllable of 'Long Call') (1156).

When the yearlings R6 LC and R4 + R6 jointly make contact notes to each other, R6 begins to approach R4.

But R3 intervenes and begins making clucking vocalizations.

At 1200 R4 + R6 are making soft contact notes to each other (possibly recorded).

Between 1200 - 1213 R4 + R6 exchange contact notes (1st syllable of LC) (= later called the 'vamonde' call or 'embona' call !)

By 1214 R4 roars around but the major group has moved down the hill. R5 races at R4.
Peripheralization

R4's behavior is very inconspicuous. She repeats as soon as R3
notices her or even looks at her. She moves low—@1-2
metres above ground. Is often
there but not audible.

R3 stays between her & the group.
I have heard LC from R4, +
the watched pair R1, R2.
And clearly R3 is attracted to
R4 in a friendly manner but
is inhibited from making friendly
overtures by the vigilance +
interference of R3.

@ 12:22 The Riverbanks group is
moving + I can't record. The
slope is very steep.

12:34 R1, LC + clucks.
There have also been some
trills & short contact calls
within group.

@ 12:39 R4, LC from uphill
also 12:40, 12:41.
The Riverbanks group seems to be
be attending to R4 L.C., and following her.

Remember her foraging in palm.

There are two audible but faint LC from uphill, presumably R4. Then another, but the group didn't respond.

R4 LC from uphill (1259) but R3 produces no chevron contact notes @ 1259. Then R3 produces a loud L.C. with a response from R1 or R2 of loud chevron (embora) notes (1258).

I hear an unidentified LC @ 1300 followed by R2 LC, followed by R3.

R4 responds w/ LC from uphill.

Start recording.

13" R4 L.C. from uphill
In the herbivores group several of the animals have been foraging near the ground. They have been seen trap and eat animal prey.

@ 13'3 R4 calls from uphill to answered. R4 calls again.
@ 13'4 R4 LC again, but we hear a howl from downhill.
And we terminate observations.
As we descend hill we hear a LC from the group. R4 answering with a LC.
Then R4 LC + R3 clearly answers w/ chattering.

@ 13'21 R3 + R4 LC.

As we leave the group, they continue across LC at each other until we no longer can hear them.

The observers have been fascinating. R4 trying to stay near the group. Several animals encouraging her w/ contact calls.
It's as though R3 is deceptive
by calling with an intra group
call - then when she answers
she is faced with an aggressive
animal, giving a miming call.

Our observations were repeated over the next few days.
First R4 spends less & less
time near the group & is
very quiet. She no longer
is, although the group does.
By the next day, not only is
R3 her twin & clucking at
her, but she mother has fallen in
well. And every time she
spotted & R3 approaches her, she
runs away.

Two pups Michael & I cup and
we hit the asphalt. Sonja -
Andrea are there saying that
Beth has broken down in
Redondo and is on the side of
the road w/ no H.
He has his Sierra Kombi & was bringing all the materials back from his farm the previous weekend. We drove back to the house after thinking what is possible.

1. No one has $ to pay for repairs. Home insurance doesn't leave money for contingencies.
2. James is in his car with S.J. fixing his alcohol Kombi. Also Debra had gone to the B. to deal with some family matters.
3. We stop to pick up the red fisca on the way to the house because the fisca is low on gas. And indeed we run out of gas very close to the railroad.

The plan ends up that Michael will drive to the B. to help. First trying to find James in his alcohol Kombi which is a better car than the fisca.
Characteristic of De Niro

No reggies

Joan Armatrading

Rosie

I love it when you call me name.

Michael will also leave Andrea at Rick Dolan near the S.J.
turnoff in case Beth gets started + drives home.

It looks like something that might result in total disaster but
2 an hour after Michael leaves,
they all show up.

Somehow, Pencilia had found
jars in S.J. & Jason had gone
and fixed the car! & Michael
passed them as the 2 Kombis
were driving back to PDA.

Meanwhile Andy & I had
discussed his research & solved a
few problems.

We have a huge dinner w/
the Reserve full. Twelve or more
et dinner since Jason &
Adam stayed.

After — Circle &?
play De Video The Labyrinth
with David Boote.

Boring & too tired.
10 Nov 87

Sleep late, work until 6.

Tell on her application in the morning. Catch up on my writing.

At 0815 the FF with the broken leg LC. (She has already LC twice before)

Then @ 0816 & XuKa LC twice.

Again at 0829 LC followed by Skettle @ 4.

She LC @ 1016 - No response.

1021 SG LC and XuKa responds

(Occurs twice)

1022 SG LC followed by XuKa

So to "again.

1025 SG LC again.

Have been no response to the playing back tapes

End the earphones.

Talking among us in the pig - we chat briefly.
But then in R4 I go with Cicbele to the Riverbanks camp. Purpose to put up new nest box. Cicbele had gotten thru to agree to put up the box.

Cicbele radio located R4 who had become very quiet - also radio R3+ remainder of group.

Rain starts, as we are at Riverbanks & we get soaked as Luis gets the nest box lodged into a tree crost + attached. The other nest box is loaded with bees & one of the workers from De Fijzena comes up with bee protective gear & proceeds to help us dismount the box. Cicbele also puts up a small nest for R4.

This is strong voice because the ranch hand had already disturbed the bees & they were angry. Cicbele got the feeder & went back with
protective material.

talk earlier as usual & have a long talk with流星
after dinner.

Subjects:

1. Money - he complains that people spend too much money
2. Money - people spend in a pattern that doesn't fit with his money or changing patterns.
3. People change his decisions & try to undermine his authority.

He seems calmer than his first night back. More reasonable although he is incredibly hung up on money & needs control.

Eventually felt that流星 has been unreasonable since he is u. aggressive.
11 Nov 87 Wed.

Andy & I are out to see his group Tres Muchos. Again up at 0415, all the same. But late today @ 0515.

It's cloudy & rainy out.

0617 we make 1st auditory contact with the group after a 30' walk and hearing 2 LC.
0622 we hear the "V" call

0623 a LC at a distance.
LC answering close to us. Then the chaser call 3x.
0624 2 male chaser calls + I decide to try to record. beginning @ 0630.

0635 I hear 3 LC. The last by 2 animals which I didn't record but have I record some "V" calls.

Tres Muchos
071 T1 w radio
074 T2
072 T4
083 T2 + 4
084 T1, 2, 3, 4

* turns being carried

with 10 day old infants
0650 There were a LC by T2.

Again at 0709 there were some LC + some chirps.

Andy says that he heard a fight vocalization + then some LC with clicks at 0713.

At 0714–0715 we hear some LC (3–4) Andy thinks that there is a group in the background at some distance. Then some LC and “let go” ("v") calls / chirps / whines.

At 0725:

Andy indicates that they were outside their normal territory at this point. In fact they are in low scrub feeding on some fruit—chirred + bob of food chirps and we have to hack our way thru to follow them.
0742 Another LC, but now we still lots of food costs, especially from the females. She hasn't been carrying the young at all. They are about 10 days old at this point.

The young are mainly being carried by 0744 who is one of the two adult males, but probably not the one who fathered the offspring according to Andy.

Andy had seen mate guarding about 129-130 cl before the births.

074 while holding the young moves slowly, feeds rarely, and often produces the "v" let go calls.

By 0344 Andy says that he
doesn't think that they will have an encounter at this point although they heard another group at 0310 hrs.

0754 They are now in a lowland swampy area. lots of vines & tangles, and some standing water. Need the machete to get thru the vines.

De infant (s) start rasping. Surprisingly loud for such young animals being carried.

WC @ 0800.
Again @ 0811 some intra-group long calling.
And then lots of rasping and the mother comes over and transfers both young to her for nursing.
T1 and T3 had each had a young for a short time before she took them both.
It's somewhat amazing to be able to see all this in the wild. The female sort of scoops up the young to get them onto her.

She becomes quiet while nursig
the young. But one of the
grooming is all over here—
trying to groom the infants
or do something.

The I was more heavily eating
many other animals and food
churping. Possibly the burden of
lactation.

One of the yearlings was also
rapping just before the I took
the rapping infants.

Den LC at 0814/0815.

After the nursing about T1
took the infants.
The infants did a lot of
rapping.
0829
Several of the yearlings play to produce the whines that Andy can identify, so easily to date. I don't hear at all.

0850 The I again plays, making loud food chirps - several L.C.

Andy says that he has heard some other response in the distance.

Tran starts.
And at 0909 a group comes in for an encounter. Ratt is uninterested. Andy & I end up in the middle, and Mr. alarm chack at us. Andy's real disappointed. I guess it's a group. But he doesn't know.

Tres Machos falls back and the I.C. 2x at 0909.

Long Calls (with group) occur at 0917 (2x); 0919; 0922; then @ 'V' call at 0922.
We don't see the animals for a while but at 0923 see
the T2 has an infant again and T2 is trying to pull the
infant.

Between 0920 - 0927
T2 are Adult 4 males
4 LC.

0928 - New T4 LC while carrying
infants + T2 6 LC
at 0930.

Animals are moving at 0947 +
food chasing while foraging.
Talk of food chasing at 0957
and 1 LC.

Between 10" and 10"6 T4 67
while carrying the infants
male 6 "V" calls.
Sounds like he's disturbed
it wants to move on.

T4 also is very sensitive now
while carrying the infants.
He has a very peculiar alarm
chep—with a mixed chrip,
chirp & trill.

At 10:40: The animals are moving
from impenetrable bushes.
The infant & are quiet.
10:48: They are moving slowly+
traging. Are quiet except
for soft steps from the
infants. The steps get louder
by 11:05 & F2 has his
young and is nursing again.
The LC while carrying
young. T2o takes the young again.

The rains start again & hard+
The group settles in under a
vine. We hang out
eating raisins & bread with
tea & writing.

About 12:00 The rains let up
At a bit of the animals start to give "V" calls. They move between 1120 - 1128.

At 1133 there are feeding chirps; at 1138 V calls. It is raining hard again. 1146 - 1154 They move slowly producing "V" calls occasionally.

The rain pushes them to roost in a covered somewhat protected site. The infants are still rasping loudly, surprise me because they are more predator prone.

At 1212 some animals emerge from their shelter, again the rain is letting up a bit.

They start "V" calls at 1215 at 1220 still raining and keep moving 1227 (2 LC)

At 1230 T2 removes the infants from T2.
The day so far has been the reverse of every day. I even had a walk with Andy.

We had a long walk in to find the group, and they have taken us up and down the hill. They are quite knapsacks and very impermeable mushfish.

The rain has to let up and we are both soaking. The animals are moving a surprising amount considering how heavily it has rained.

12:34 Some good chimps and "V" calling. All the animals are feeding at 12:40. Spears are good stealing. Near 2 "V" calls.

12:44 They are moving again at the food changing.
The animals are foraging and moving 12:44 - 12:59, making "v" calls - good charge.

TI who is carrying the infants now takes up the rear.

They feed at 12:59 for a while but the birds come down again and @ 13:25 - 13:32 they huddle in a tree.

After start rasping at 13:40 at TI "v" calls, then LC.

He's carrying.

13:43 they start moving & TI who is carrying produces that peculiar chirp [chirp chirp].

Rain harder again at 13:45.

All animals are back huddled in a tree at 13:04 but then start moving again.

They have foraged when they could but he rain...
this really reduced Ben's 
moability — "V" calls 
Morning again 1413 
Manipulating at 1417 
One animal catches some 
animal prey. 
Still raining 
1439 Frenzy + feeding 
1441 "V" calls 
1447 LC. 
Still raining heavily. 
I wonder if they are 
producing more "V" calls 
in the rain. Because 
we are frustrated from 
manip 
1454 "V" call 1506-1509 3 LCs 
1514 LC and Infant crying. 
It's raining hard + its 
hard to keep track of the 
group. 
1516 LC + a hull 
Andy decided to terminate.
at 15:21 - even he gave up with the constant rain.

He’s data would be pretty useless since the animals moved so little.

Back to the house by 16:00 to work on the recording to try to set up for doing playaecho.

Jimmie explains that Jemari’s father has a neurological problem or a stroke so Jemari must go to S.J.

Jimmie drives into Nijiroi with Djembe and the G/L with his broken leg.

He arranges to beautifully.

A night with this girl friend +

The monkey operated on in Nijiroi by Pooniotti.

(In the end he & my machine is broken & the vet only gives her a few stitches.)
12 Nov 87

Went up to Reverbanks gap
with bean with an eye
to recording Reverbanks
encounter calls with R4.

We meet the group at 0900
and lean LC

Between 0913-0925
we lean TL; feeding
Chips & respo from R4
The youngest animal.
He is also starting food.

The animals seem very hungry as
Tsui puts out the food,
They are happily using the
new nest box and aren't
put off by being in the
area of the old box

B3 is still behaving very
identically
sort of staying at the periphery
of the group.

They eat from the feeder.
They start moving towards the distributed food. This is not hiding the food or the pack. So I'm afraid the association between animals and food will happen. He very gently, slowly is pulling up the food. His dry pack is hanging up on a tree.

This goes to fund R4. The group is foraging in a bromeliad while R3 is vigilantly up in a high tree manipulating but watching.

The group returns to the table. R1 looks pregnant.
107% of feeding chips + no long calls to record.

There 2 LC at 0944.
Then an internal fight up in the group.

0940-0947: 2 more LC.
0952: R3 LC twice.
time returns 10:04 doing
fed + done a focal on
R4. She looks fine.

At 10:07 PM animals are back to
the feeder. They seem much
more hungry today perhaps
because of the rain + the
social conflict.

10:10 another CC by R3 or R2

Also June said Nat when
during a focal on R4
Nat he heard a LC
from the group but Nat she
didn't respond.

R 5 + 6 do a lot of rough trouble
+ chasing play (10:14)

I try to record the soft whines
that accompany the play.

R3 + R1 do a LC.
Then there are a series of LC's: many by R3 almost every 4-5 minutes.

For example:

1031 LC R3
1035 LC ?
1036 LC 2 ammib
1040 LC R3
1044 2LC from R3
1048 LC R3
1050 LC R3

At 1054 R3 seems to become less vigilant + begins micromanipulating + eating some natural foods.

R5 + 6 The youngsters have another play tent: R2 finds some banana and potato chips.

1058 It starts running + most of the group heads for the new nest box, including R3. They stay in "around the box through 1102. 
Two returns from I-scan & says that R4 is about 25 m uphill.

The rain continues as a steady drizzle.

I leave Riverbanks @ 11:13 and go with Michael to Dirickson to attempt a LC playback experiment.

We arrive @ 12:08 & hear 2 LC. The playback was to consist of a 10 min. baseline with a 2 min playback that includes 4 LC from R4 & then 10 minutes of post-playback monitoring.

Michael and I stand at right angles relative to the group's location.

Corp. Michael

Michael is @ 5-10 m from the group - we both are wet.
Full view.
The baseline + play back are
gone + the group responds
with aggregated encounter song
calls + an arch walk.

They return to the nest box
but rain starts @ 1-2 minutes
into the post playback monitoring
and we have to quit.

Later Cibele suggested
that the response was so strong
because they thought that Bev's
territory had been totally invaded
because the UC sounded so close.

In fact the UC was loud
because Michael had it on full
blont + we were pretty close.

Return to house to work up
data + had a very
late dinner — again with
a full house. The rain
keeps up & it's a real
depressing. Andrea made an
exquisite birthday cake for Andy +
me — dinner includes me, Andy, Cibele, Michael, Cibele, Laurey, Otis, Justo, Ben, Fern, Lila. Isman
Very late we have a group mtg - Andy, Cibele, Lauren, Beth + I.

Beth was very tired but is very unresponsive and resistant to requests to do things, especially relating to the house. Things that we discussed include purchasing new cars, organizing who is responsible for vehicles for PBCN, how to get mealworms (Cibele + Jason spent an hour up on the roof catching mealworms that were feeding on the bat guano. And yes, we have bats!) picking up mail at the Consulate, visiting PBCN, dealing with sophisticated monkeys. Everyone reported on their activities although we had to pull into out of BD. 

We also talked about part-time work on weekends forfigree + increasing Andrea's responsibility i.e. giving her a license + having her new untrained 2-3 per week.

We eventually speak with both of them on the next day. Figree not only wants salary but some travel expenses to pay his way from here. To pay him what he was paid/day + travel would give him a salary of exactly what he had before for 1/2 the work.

Andrea says she wants to quit — maybe, maybe not seriously — when we talk with her. She says that she eventually wants to study but I get no sense of what she wants or intends. She is a real mystery to me + apparently so everyone else. Chloe is worried but she just doesn't want to be serious + take responsibility although she is easiest.
one of the brightest people around.

One of the greatest pleasures
This trip has been Cebelle's
take. Day found it at one of
these small stores on 69101
near the reserve being fed banana+
something else around. Cebelle's
had it 2 weeks & is training
it to respond to her by a talk
when she feeds it. The owl is
variously found on top of the
outside steps, in various flower
pots, on the indoor windows ledge.
Or when Cebelle is preparing monkey
food & on the monkey food
table. During the two weeks it
grew enormously & started gaining
its primary feathers & losing
down. The owl has a real
personality!
13 Nov 67

It rains all night & we

can only assume that it will

continue. But I decide in

the morning to go out & try

2 more playbacks — with

Jersey & with Seattle.

Jersey animals look good but

they are very slow & unchallenged.

The microwaves take a lot

but much of it is on the ground

in the leaf litter or near a

small stream behind their huts.

It seems to have come out

of his tanure fine.

An unusually happy ending.

We walk a ways into Jersey because

Michael didn't want to chance

taking the car in. All the

roads are muddy & rutted

from the heavy recent rains.

Arrive at Jersey @ 0950. The

animals are present near the box.
Michael puts up & distributes the food while I familiarize myself with the animals. The female looks pregnant & is periodically approaching, sniffing & grabbing the adults.

The weather is clear & sunny, the mmoos are micro-manipulating, mainly rear or on the ground.

The youngest animal catches some insects, including a grasshopper.

Do the playback at 10:00 hrs.

Michael stands 15-20 m from the animals & has lowered the playback volume to reduce the intensity of the L.C.

As it is, the animals don't seem to hear the 1st 2 calls. We hear the last two. Jersey responds only w/ L.C.

We leave Jersey & head to Seattle, arriving @ 12:15.
Michael stands @ 10 m from
bottle animals + has the ampli-
et at a low but not whispering
level.

Interestingly, the 1st responses
are by the youngest animal in the
group, a 1989 born young,
but first animal + the
adult pair respond during
the 1st min. post playback.
They also orient all their
movement towards the source of
resonated but don't pass Michael,
who is, intact, the source.

The KCs are mainly BLC but
1 or 2 animals also produce
chucks — on encounter calls.

Back to the house @ 1930 after
picking up all the "naka"
assistance + dropping Dem on
the road to catch the bus.
The retreat. This year is
merely drifting. It takes
from 0730 - 0900 to
place everyone + another
1½ - 2 hrs. to replace them,
the pick them up. They usually
work only 8 or 10 hours although
the work can be had eg.
this putting up a new nest box +
Ants trying to weave the
animals.

Mosquitoes are bad + nearly
everyone is up all night because
the only remaining forest is
uphill. Rain has been frequent
during the last few days +
that before that.

I am loaded with mosquitos +
chiggers!

I packed, have discussions
with Andrea, Cibelle, Jan +
Ziggy.

Quick dinner + drive to
BND airport at 1830 hrs
with Jan + Cibelle. Airport +
strike + flt takes > 2 hrs.
Go check in, get crew, customary
get a seat assignment. Very unpleasant to say the least.
All the computers down.

The trip: Really good. I got my best abstracts of GT7's ever.
Doing the sound recording + playback, I learned an enormous amount @ GT
communication + maybe have found something interesting in

The way the long facts are organized, and how the different syllables
are used separately vs. apart.

Other issues: Lawns never delegate + gives all $ to enhance + feeds. Pure control. I wrote 2 on delegation.
I also recommend some discussions concerning improving
food - more veggie, maybe fish.
Kellie put in charge of organizing food.
Finally, really impressed with Abbev. Very sensitive with people & animals, & straight.
Much less insecure & uptight than I expected. Understood how I might feel about working with her & about her handling things differently. Had no concerns about telling Fuis he was not doing his job well.
Had had a quick affair with Michael Benedict & decided to call it off because he was supervising Michael. Their relationship seemed to me to be straight & healthy.
Both so disturbing. Her likes & dislikes are so strong & obvious. She was all over Zigue whenever we were both around. Maybe there is nothing she is only displaying for me so that I will tell Fuis. But Zigue puts up with her—more than I ever would have expected. The relationship...
will surely go no place. Beth has so much invested and is so insecure.

Other older ends:

Yuko, the wild 6-17 girl, talked me — she walked whenever she saw me coming.

D.Truman keeps me supplied with roasted peanuts.

Celie & Michael were drinking more beer in the PM than I would have liked. Celie is a self-destroyer; cigarettes & booze & work.

Andy is getting superb data on infant carrying 'paternity' or 'path length' & on time budgets. And I think he likes the field work.

Michael Benedict, I finally decided is an interesting competent person & nice to have around with his tattoo & his relaxation techniques.

Otho is marrying Tamia who is 15 years old.
<table>
<thead>
<tr>
<th>Nível de domínio de conteúdo</th>
<th>a) Muito bom</th>
<th>b) Bom</th>
<th>c) Regular</th>
<th>d) Fraco</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nível de interesse dos pais</td>
<td>a) Muito boa</td>
<td>b) Boa</td>
<td>c) Regular</td>
<td>d) Deficientes</td>
</tr>
<tr>
<td>A clareza e a objetividade</td>
<td>a) Muito boas</td>
<td>b) Boas</td>
<td>c) Regulares</td>
<td>d) Deficientes</td>
</tr>
<tr>
<td>O uso de exemplos práticos</td>
<td>a) Muito bons</td>
<td>b) Bons</td>
<td>c) Regulares</td>
<td>d) Deficientes</td>
</tr>
</tbody>
</table>
Nothing yet re: cars.
Sonia fired from FBCN.

Lawrence will telephone tomorrow.

Ziggy -
Andrea -

68 do.
Cambio.

Ben.
Mealworms.

Think hard @ Nick & Z.

Happy birthday.

Jersey C. G. 7/10m.

Jersey C. 250m.

Rebalsos 29.

Locomotion.

Lincoln/Seattle.

Cage-like.

Champa Comba.

Wants 2 good bush.

Ask Baker.

Move not boxes.

Defects.
Regulars.

Boas.

Muito Boas.

5 - A clariza e a obrigaturidade do instrutor formar.

Recommend Andy responsible.
For Tim:
Re: Jaguar.

I plan to drop the group. They are using mostly dense areas that make habitation and observation very difficult. Very little improvement in terms of habitation since I started. The area might not be bad for Jaydon and Siwal, although they have started moving into some of the deep swamp along the P20/Manso area. Do you want Siwal and Jaydon to continue with the group, or should I remove the collar? Observation: I have to stop buses + another group in front of us. 1º Colcheta (Corpo de Androcles) this week.

Gray turned out to be incredibly calm + I have been collecting Ontario carrying details on them, as well as time budget + path length. Is that OK? I would like to continue sharing the group with Jaydon and Siwal, even though that’s a little wasteful, because they really like having a group they can observe more closely. OK.

For Luanne:
Receipts etc. will be coming up with Devra.
Sorry for the delay + thanks.

For both: Candy bar was great. Have you tried Nestle with chocolate chunks?
Phil has $2,000
Rio bus ticket $260
(Dak & Michael)

Dinner
(Beth Dak Michael)

Dak has C$1,470

Dak has C$1,270

Dak owes C$1,65
Get receipt from Laurenz.

Laurenz → Dak
C$2,000

Dak spends $340 dinner
$12 beer
Needs to give check to
C$1,800 from Beth
Paid $30