

1993

## Field Notes

Jonathan L. Dunnum

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ALD  
1993

Journal Alb. → Sta. Cruz

27 June 1993 -

Leave Alb. at 10:55 AM.

ticket is \$1136<sup>00</sup> round trip.

go through Dallas, Miami, then La Paz then Sta. Cruz. Traveling with TRAVIS Perry.

1 piece of overweight baggage, \$35<sup>00</sup> of my own money.

Passport # G 313697. Met Scott Gardner and Sara Brant in Dallas.

28 June 1993

arrive in Sta. Cruz about 7:20 AM.

We have Nancy Yates and her sons Brian and Michael with us. We are met by the entire group:

Terry Yates

Don Duszynski

Marcel Campbell

Jorge Salazar

Melissa Chavez

Suzy Penrath

Tom Seaton

Bill Moore

Pablo Marguet

Bill Garrison

↳ left when we arrived

We are staying in a hotel that is about 7 km from the outside of town. "Hotel Celina"  
It is on the road from the airport.

unloaded our gear and had breakfast at hotel, slept until about 3:00 pm. Much needed, didn't

46D  
1993

Journal

Sta. Cruz

28 June 93

Spent evening playing poker and swimming. cleaned up at poker.

29 June

up at about 8:00. ate breakfast at hotel.

Spent day grocery shopping and getting supplies ready for leaving. ate dinner at Marcello's house.

30 June 93

Slept until 11:00. Packed up truck ate lunch at hotel Cortez, excellent as usual. We pretty much killing time until we can leave. Banks are closed today for midyear.

1 July

Hopefully will leave today. Jorge and Scott have gotten liquid N<sub>2</sub>, even though the place said the pump was broken. Finished last minute shopping (bread, cheese, meat) and left for field by 1:30. Collected a Tamandua tetradactyla from the roadside. Drove until about 6:30.

Camped at Universidad San Simon campus in Sajta. This is the place the first crew stayed earlier.

We set out 3 nets along path that had been netted the first time. They caught the first Tamandua at 7:30.

ALP  
1993

Journal Sajta  
Catalogue

1 July

Closed nets at 1:30 am. Only caught 6 bats.

- 3 Crallia perspicillata
- 2 Artibeus jamaicensis
- 1 vespertilionid (vaquetis sp. perhaps)

Tom shot a Bassaricyon gabii (olingo)  
It's a yellowish arboreal primate with  
long bushy tail. Tom collected a Potos flavus  
the first time they were here, so they  
are living together in these forests.  
Olingo is supposedly restricted to mature or  
disturbed rain forest but not secondary growth  
(Emmons).

2 July

Packed up and headed on ~~the road~~ toward  
Cuevas Repechor about 7:50. Road is  
pretty good from here to Villa Tunari,  
mostly paved. ate lunch in Villa Tunari  
the restaurant had a branch of sticks on  
the wall.

<u>Felis jaguaroundi</u>	jaguaroundi
<u>Tayassu</u>	taiteta
<u>Potos flavus</u>	kinlayoo
<u>Mazama americana</u>	mazama
<u>Felis pardalis</u>	ocelot
<u>Lutra longicaudis</u>	otter

Received directions to the oilbird caves  
where we will camp. "guacharos" are birds  
that live entirely in these caves.

ALD  
306-93

2 July

Directions to Cavernas Repehon

out of Villa Tunari ~ 6 km, take old Cochabamba Hwy to Comunidad San Raphael ~ 5 km, go 15 min, look for wooden bridge on left, drive across and go 1/2 km.

Don Dusznick's description

Talk to Pablo Mamani - caretaker / park ranger

Reached it with no problems. Pablo however is gone until 6:00 pm this evening. He is in El Palmer, a village ~ 6 km up river. We decide to set up camp and hope it is OK. His kids say it shouldn't be a problem.

After we were set up he did return and offered us the ranger headquarters to set up in but we are already pretty well organized so we won't move.

We see a stones throw from a large fast flowing river. Don Mamani and his eldest son carry people across the river by a cable and pulley system. It's really a great ride.

It is pouring rain but we are setting out traps and nets anyway.

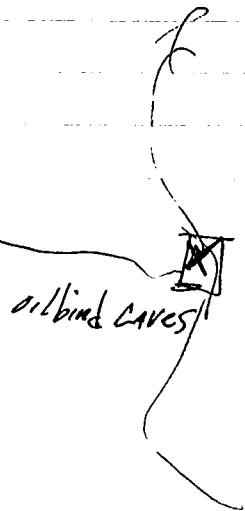
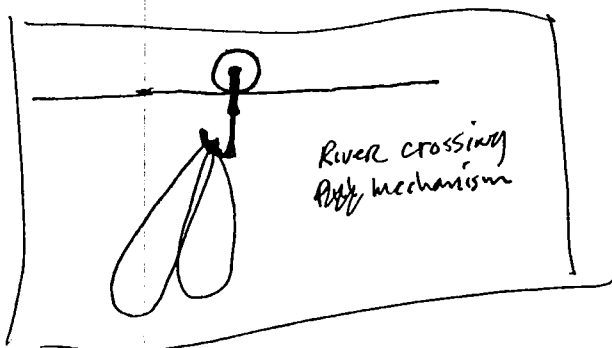
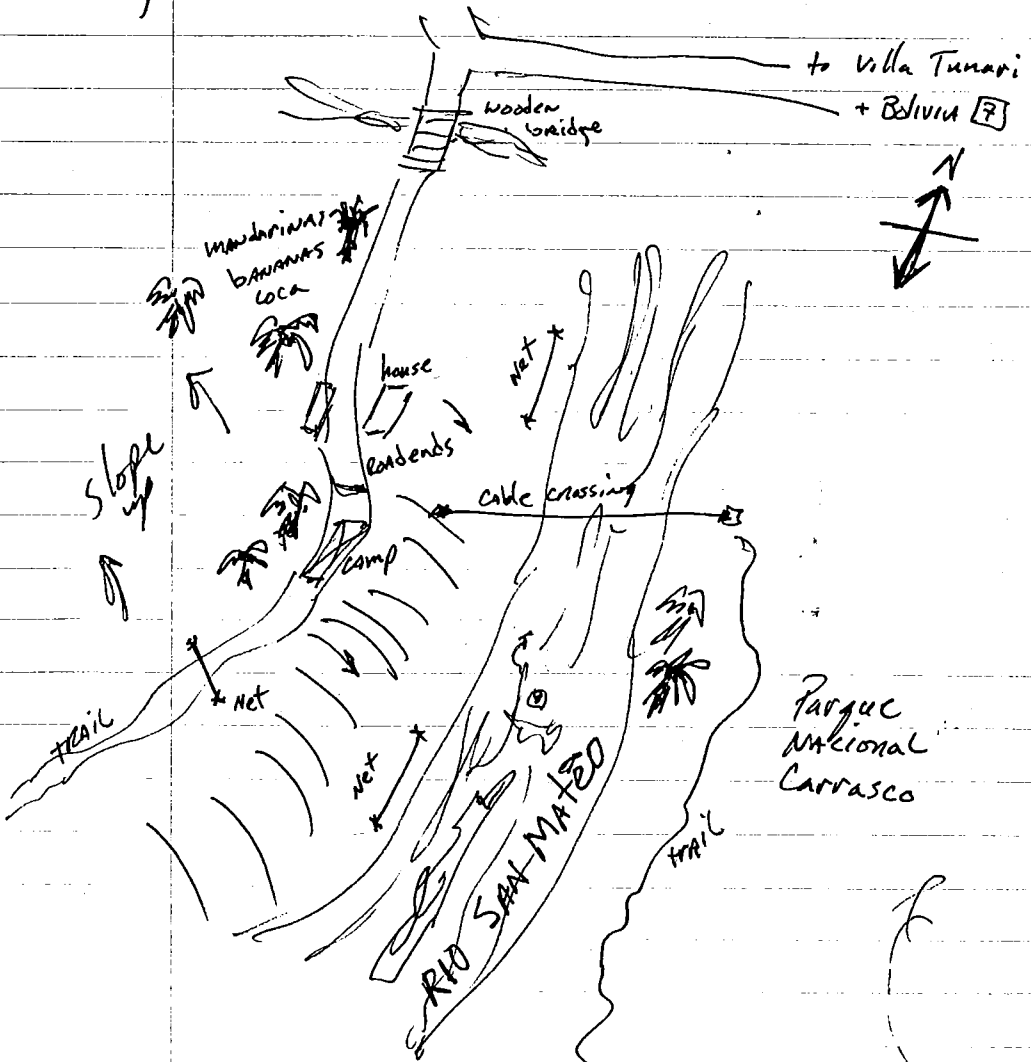
145 shermans + 8 toucanos

3 nets.

ALD  
Bol-93

2 July

Journal: Cavernas Repechón



ALD  
Bol-B

3 July

L  
6

Barro Colorado      Cavernas Repechón

No rat captures but caught a few bats  
Artibeus andersoni, Vampyroides sp., Saccopteryx sp.  
possibly, and a bunch of Coccolinia perspicillata  
Midmorning we had Don Mamanin take us  
across the river and through the woods to  
the ~~Cavernas~~ Cavernas. The path to the  
Cavernas goes through a floodplain where  
there is a lot of secondary growth and  
also crops growing, bananas, coconuts, etc.  
Once near the caves there is a sign marking  
the boundary of the refuge. "Refugio Santuario  
para vida silvestre". The caves are incredible  
there are three of them. The first has  
oilbirds in it and is closed off with a  
gate. The second is a smaller cave with  
very low ceilings and it is filled with  
bats, crickets, spiders, and frogs. Spent  
a half hour catching bats by hand and  
avoiding the large black spiders that were  
all over. Caught about 10 Coccolinia perspicillata.  
MCC said she saw a Desmodus rotundus  
in there as well. The third cave was the  
largest and had a stream running through it.  
There were both bats and oilbirds in it  
as well as a few types of fish and a shrimp.  
The cave eventually opens up in a deep gorge.  
I caught a poison dart frog in there.  
Returned to camp and set up 2 more nets.

4CD  
Bol-93

7

Journal

Cavernas Repecho

3 July

Confidence in captures. Both ~~nets~~ were  
one net was set by river and the other  
up by camp near the bananas, very high.  
also full moon. Spent evening prepping animals  
almost entirely C. perspicillata. Finally got  
to bed about 4:30 am. did not completely finish  
prepping some of the bats. Put them in the dry ice  
chest till tomorrow.

4 July

4th of July. Fourth year in a row that I've  
been out of the states for the fourth-  
up about 7:30. I don't have any traps to  
check so I am clearing up around camp  
and catching up on journal. I will set  
40 traps this afternoon across the river.  
Went out with MAC to the other side  
of the river. She set 40 traps in a  
mandarin grove and I continued on  
to the caves. I set my line on the  
mountain side behind the caves. It is  
all secondary growth but it is older  
than that down on the flats. The slope  
is about 35°, canopy is 100% and about  
40 ft. high, leaf litter ~ 10 cm, shrub grass, forbs  
~ 70%. Rained most of day again today.  
Spent evening prepping finished up about 2:30 am.  
Saw two small monkeys (possibly Aotus) right  
by the camp.



4LD  
Bol-93

5 July

8

buena Cavernas de Repetition

Woke up about 7:45 to check traps. Took our side across river. No captures on my line. SCP caught a Proechymys sp. in a Tomahawk in a banana grove by a large hole. No other captures on other side. SLG and SVB caught 2 Arodon sp. in the same trap on our side of the river. SLG and MLC took Don Mamoni to a town 50 km away, so we are waiting for them to return. We are going to set some traps up at a higher elevation later today. One group went up to the new locality this afternoon. Those of us with traps across the river stayed here. ~~We have moved the kitchen up to the house and some people are going to sleep there tonight.~~ The rain is unbelievable here. It's rained continuously for days. Never seen so much. Did run in afternoon and then prepped. ~~Then~~ Jaime Puatta and Mario showed up about 8:00. Don't know how they found us. They are going to stay with us for rest of the trip I think. The others came back around 8:30.

6 July

Got up about 9:30. The group from the other locality went off to check traps

GLD  
Bol-93

9

Journal Cavernas de Repechón

6 July

across the river will have to wait til later to check ours because Pablo Mamain says it is raining to hard to try to cross on the cable. The river is about a foot higher now and its still raining like hell. Jaime tied his tent to mine and it caused the rain to come down on one of the seams so I got flooded out. Moved kitchen up to house today and some people will sleep up there tonight. We then cleaned the prep room and finished prepping the extra animals. The others returned with an Akodon sp or Oryzomys sp and various bats and birds, plus 2 Uroderma bilobatum, so thats a new genus for this trip. Went and picked up traps across river. No captures in any of the lines. Spent evening processing animals, got to bed by 2:30 am.

7 July

~~to~~ Didn't wake up until 11:30. Didn't have any traps to pick up so it wasn't a big deal. SLG, MLC, CTS, Jaime, and Mario went into Villa Tunari for supplies. We will all go up to the upper locality today. Rekeyed the Uroderma bilobatum I am convinced they are a Vampyrus sp. They have pink tongues, hairy fringe on uropatagium

GLD  
Bob-93

## Journal

Cavernas de Repechón

7 July

Drop from town returned at 3:00.

A group of us went up to El Palmar about 4:00. It takes an hour to get there due to the miserable roads.

SLG, SUB, and I set 160 Shermans.

20 were in scrubby secondary growth along the old road. 140 were set up above in older growth forest. Baited with Sundries oatmeal and canella. We took turns cutting a path, setting traps, and baiting in a line. It was very hot. Caught a *Stenomys* unsp. in one of the nets. Looks like a huge leucurus. First one I've seen. There is also a lot of bamboo up here. We thought we heard a Doctylomys call but Pablo memorized says it was a mousepool of some sort.

Returned to camp and processed animals. Didn't get started until after 10:00.

8 July

Woke up late. Checked traps up at El Palmar. Didn't get any rats. Lots of ants here so that is probably partly responsible, as well as the very wet weather. Spent evening drinking and being entertained by Travis.

9 July

Pulled traps and checked nets at El Palmar. Caught 2 Neotomys sp. and 2 Prechimys sp. Saw a raptor of some sort eating the head of one of the bats in the net.

ALD  
Bob-93

4

Journal

Cavernas de Repachon

9 July The traps we gave to Don Pablo ~~was~~ paid off. He caught a Metachinus for us. We are leaving tomorrow.

10 July poked and got on the road by 2:00 pm. ate lunch in Villa Tunari. Mario left for Sta. Cruz but Jaime Peralta will stay for the rest of the trip. Left Villa Tunari at 3:30 pm. Planned on staying at the Hotel Cochabamba but it was truly ~~disgusting~~ disgusting so we continued on to try to find Canari and the camp where the crew stayed last month. Ended up lost but found the Hotel Poseidon in Coloma. It is right on the Lago Coloma at 3150 m. Beautiful place. We had a whole cabin for ourselves w/ fire place. The restaurant is fantastic. Had huge steaks for dinner.

Poseidon Hotel

Henrique Da Silveira Soares; Administrator

telefono 50684-42776 Cochabamba

14 km by road E of Coloma

11 July Left hotel about 3:30 for our new locality. SLG, JMR, MLL, and a biologist from Cochabamba (Freddy Navarro) went to check it out earlier this morning. Drove for about 1 1/2 hours. Went from 3150 m to 2000 m to the Hotel at the new locality.

JLD  
Bol-93

12

Journal

Tablas Monte

11 July

We are staying in the school house because school is out for the week. Met the local doctor, Dr. Roberto Paz. Set 120 traps with SVB. our trapping locality is down by the river Jatun Mayu.

Bolivia: Cochabamba dept. 4.4 km N of Tablas Monte, Rio Jatun Mayu.  $17^{\circ}04'00''S$ ,  $66^{\circ}00'48''W$   
elev. 1833m.

We set 80 up a very steep slope, almost entirely covered with thick bamboo like cover. It is very fast growing and provides good cover. Should get lots of rats in it. last 30 traps set along side of ~95% slope. Set another 40 traps below road in rocky area with little ground cover.

12 July

checked line at 11:30. Caught 10 animals, only 2 were caught in the lower area.

1 Neacomys, 1 Akodon, Rest were caught high on the line in the bamboo.

2 Neacomys spicatus

2 Akodon sp

4 Microtus sp

2 Oryzomys leasi

ALD  
Bol-93

13

13 July

Journal Tablas ~~de~~ Monte  
another wet foggy morning, pretty cold  
last night. caught 6 animals today.

4 Akodon

1 Oxymycterus

1 Micoureus cinereus

Travis caught a Monodelphis krusi.  
JMR is leaving back to Sta. Cruz today.  
He may return later in trip.

14 July

pulled traps and are ~~now~~ resetting them  
at a 1500m locality. caught 10 animals

1 Micoureus

5 Akodon

2 Neacomys

2 Marmosops

lower locality:

Bolivia; Cochabamba dept. 4.4 km NE of Tablas  
Monte, Rio Jatun Mayu,  $17^{\circ}02'29''S$ ,  $65^{\circ}59'05''W$   
elev. 1500 m.

Set 120 traps straight up from the river.  
Went through three different types of vegetation.  
all secondary growth. First area was still  
in trees with canopy ~ 10m high, very rocky,  
moist soil, leaf litter and top soil ~ 20cm.  
2nd area was a strip of thorny, scrubby  
shrubs and cut branches and trees. Very thick  
and difficult to get into.

ALD  
BOL-93

14

Journal

Taldas Monte

14 July

was only about 10m wide. Third area was extremely steep and regrown after cutting. Shrubs about 3m high with sticks underneath almost 100% ground cover. Lots of ~~the~~ logs on ground.

15 July

Spent entire evening prepping animals. Finally a sunny morning. Hopefully things will dry out a bit. Caught 6 animals on our line. 2 Marmosops ~~sertifer~~ and 4 Akodon. CTS, JPT, and TWP went down to the river to hunt and set bats for the night. We stayed up at camp and did the processing. Got sick about 10:30 and ended up going to bed at 12:30. The others got to bed at 3:00.

16 July

The hunters came back this morning without lunch. ~~we~~ Caught one bat Sturnia. We ~~only~~ caught 1 Akodon on our line today and it was dead. Returned to camp and processed animals til evening. I put up a net on the side of the lab building where it could hear bats in the ceiling. Got about 6:30 they came out and I was there to see them hit the net. ~~Also~~ Caught 1 Myotis with a bunch of Molossus molossus. By 2:00 had only caught bats coming out of building, none coming home yet. They must stay

ALD  
Bol-93

15

Journal      Tablas Monte

16 July

Night roost somewhere else, a group of us went up towards the main road to set a net at a masero house where he said there were a lot of Desmodus. Couldn't find him so returned to camp. Caught an Acadon on the way back. Scumped out of truck and grabbed him.

10:51 pm on Road

17° 07' 08" S, 65° 57' 46" W elev. 2430

Spent rest of night catnapping up on book work and watching the others learn to dance. At this very moment they are waltzing. Got to bed at 2:30.

17 July

Did more in morning. The bats caught last night were Tadarida brasiliensis not Mylossus molossus. Bought a Copend from a man for 5 B's and some old batteries. Pulled trap lines. Only caught 1 Neacomys spinosus on our line. Cirilo Rojas (the father of Juan Carlos) gave us some sugar cane to eat on our way back from getting our traps. Very sweet, ~~crunchy~~ caramely taste. Lots of juice. Got back to camp and processed animals until about 2:30.

18 July.

Packed up and left Tablas Monte at 12:30. Stopped for food in Calacangi and then headed for Cochabamba. We are looking for a hotel first and then we will contact Joe Cook



JLD  
BOL-93

Journal Cochabamba  
Fabrizio Montecchi

18 July The Hotel Las Vegas. Arrived in Cochabamba at 4:00. Waiting near Dr. Bernués's house while SLG, SVB, and MLC look for a hotel in the La Encarnación. Have decided to stay in Hotel Las Vegas. There is a parking area where the trucks will be safe at night. Met Joe and Jorge. They are both well. Jorge's baptism of Fernando went well. The hotel is decent, water is only lukewarm but at least we can shower. Went out for dinner at Quembo's. Spent over 500 Bs. Went out to a dance place afterwards. Very discoish and didn't sell beer. Got back about 3:00.

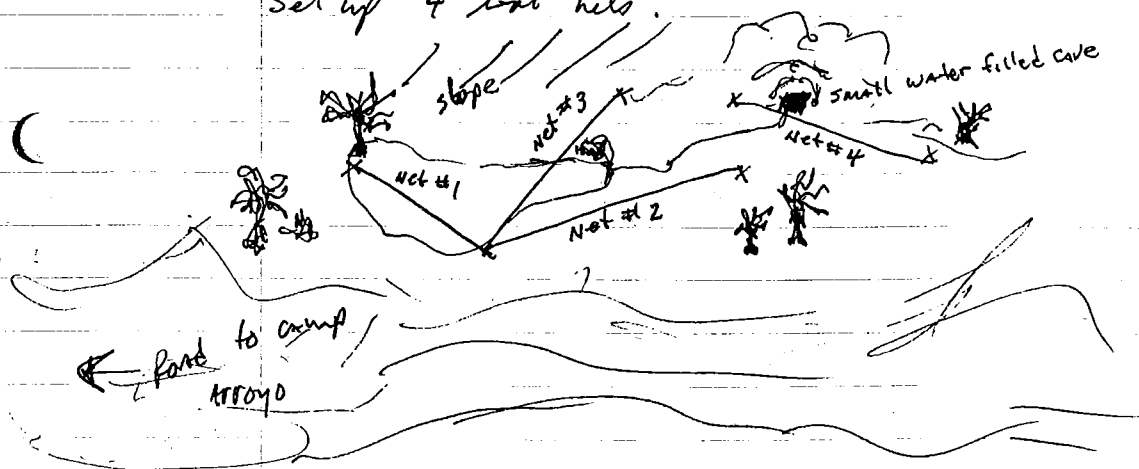
19 July Up early to shop and pack up the truck. Got laundry done. Joe and Scott are trying to get the HAM radio fixed, buy liquid N<sub>2</sub>, Distilled H<sub>2</sub>O, and get the truck tarp and tents sewn up. The rest of us spent the day shopping in the Mercado for groceries and warm clothing and blankets for the high altitude and cold temperatures. ate dinner at Restaurant Jose. Made me sick. Finally got through ~~the~~ to the states. Told to hurry at her work. Everything is well back there. We will leave for the Chapas beauty tomorrow.

ALD  
BOL-93

17

Journal Cochabamba → Namachuma

20 July up by 8:00. Screwed around until about 1:00. Finally we were able to leave. Picked up Roberto \_\_\_\_\_, he works for Bermudez in the choqos lab. He will show us where we should camp. Didn't take long to reach our new locality. Less than 1 hour. Take <sup>old</sup> road to Santa Cruz to km 15 then turn right on road to Tarata, go 4 km to large school building. unloaded and set up camp. Set up 4 bat nets.



Set 2 nets across pond, 1 along edge, 1 in front of cave. The others set out Sherman traps in the surrounding area.

Caught 2 Myotis oxyotus from the cave.

6:30 B82 ♂

6:45 AB ♂

Joe and George cooked dinner while we were out. Went to bed about 11:00. Weost stayed up till about 2:30.

ALD  
Bol-93

18

Journal

Jama Chucma

21 July up at 7:00 to check nets and traps.  
no bats, about 20 birds.

8 rats:

- 2 Thalamyus pallidior
- 1 Akodon puer
- 1 Akodon varians
- 3 Phyllotis wolfsonii
- 2 Phyllotis sp. (small)

The Chagas people came and in order to determine if there is Chagas in the rats they let the "vichuga" bugs bite them. The vichuga are raised in the lab so are not carrying Chagas. If they develop Chagas after 30 days then it shows that the animal was infected. After they finished we processed the animals. This afternoon we will go back up to the trapping site and try to get some guinea pigs.

Went looking for Tucus in the area but didn't have any luck. Each person we talked to said they were here but each had their own idea of what one was. Some were black and white and lived in the trees, some were pigs, some turtles, some migrated and were only here during the corn harvest, and various other good stories.

We then went up to trapping area. The

JLD  
306-93

Journal Jama Chuma

21 July

Cattle. Spent next hour getting nets out of thorn bushes. Had just gotten them back up when another herd came through and broke the lines again. Next were cattle that I scared off and in doing so pissed off the herd lady. Ended up taking down two nets. Left 1 by the pond and 1 in front of the cave.

The sheep ate a whole in the net by the cave. Saw bats flying but didn't catch any by 7:00. Also set 3 tomahawks to try and catch some Galea or Cariacus. I found the key to the land cruiser in my jacket. They have been missing since we left Cochindamba. I stuck them in Scott's pocket so he found them and thought he'd missed them all this time.

22 July

Checked traps and nets. Caught 2 Didelphis albiventris in my 3 tomahawks.

SLG caught another in one of his two. JSB and JAC caught 10 rats in snare traps. These are the first snares we've set. I'm convinced they work better than sheenans, but they kill them so no chance of keratotypes.

We are going to send one group up to our next locality (Rodeo) to set traps and camp until we process animals and pack

ALD  
BOL-93

20

22 July won't make it until tomorrow. JSB, JPT,  
SCP and TWP will go up to trap.  
MAC and I cooked dinner. T-bone.  
Processed animals until late. Yeast stressed  
one Didelphis and will process it later.  
Got to bed about 3:00.

23 July up around 7:30. Packing up to go to  
Rodeo.

ALD  
Bol-93

24 July

Journal

~~Lana Chuma~~ → Curubani

Woke up feeling good. Was very comfortable and warm. My boots had frost on them outside the tent. A lot of people are feeling pretty miserable today, probably due to the high altitude.

Locality:

7.5 km SE Rodeo, Curubamba  
17°40'31"S, 65°36'04"W elev. 4000 m

all traps are out.

Captures:

- 4 Akodon sp.
- 10 Phyllotis sp.
- 7 Oryzomys parvamensis
- 1 Thalomys pallidior
- 1 Neotomys sp.

There are 3 grids of 48 traps each and 5CP has 72.

JSB 37 and 38

TWP 37, 38

JPT 40, 40

Did run in late morning,  
set 15 snap traps and 4 tomahawks.  
Set in large rocks and yuccas. Baited with sardines, oats, and vanilla. Egg put in tomahawks w/ normal bait.

GLD  
Bob-93

Journal

Curubamba

25 July

Stayed warm despite another freezing night. Packed traps, no captures.

SVB caught a Dalea musteloides by hand right near the camp. Processed animals all afternoon. SLG took JPT back to Cochabamba and picked up Terry L. Yates, Romer

, Jose Rojas, Jim Jean Pierre Hugot (a french parasitologist)

It only took 1 hour 20 min to reach Cochabamba and about 2 hours back. They brought back rum and whiskey so everyone had a bit to drink. Got to bed relatively early.

26 July

up and packing early. Got everything packed and on the road by 9:40. A new record. Spent day trying to get to a 3500 m locality.

The big truck was unable to climb the steep roads up the back way into the National park Corrales. So we have ended up back at ~~Potosi~~ Potosi. Finally get a shower (like warm) and then ate dinner.

Set out 6 Tomahawks with Jose Rojas.

Spent evening basing at Potosi. Lost about 60 B's. Didn't get to bed til about 3:00.

27 July

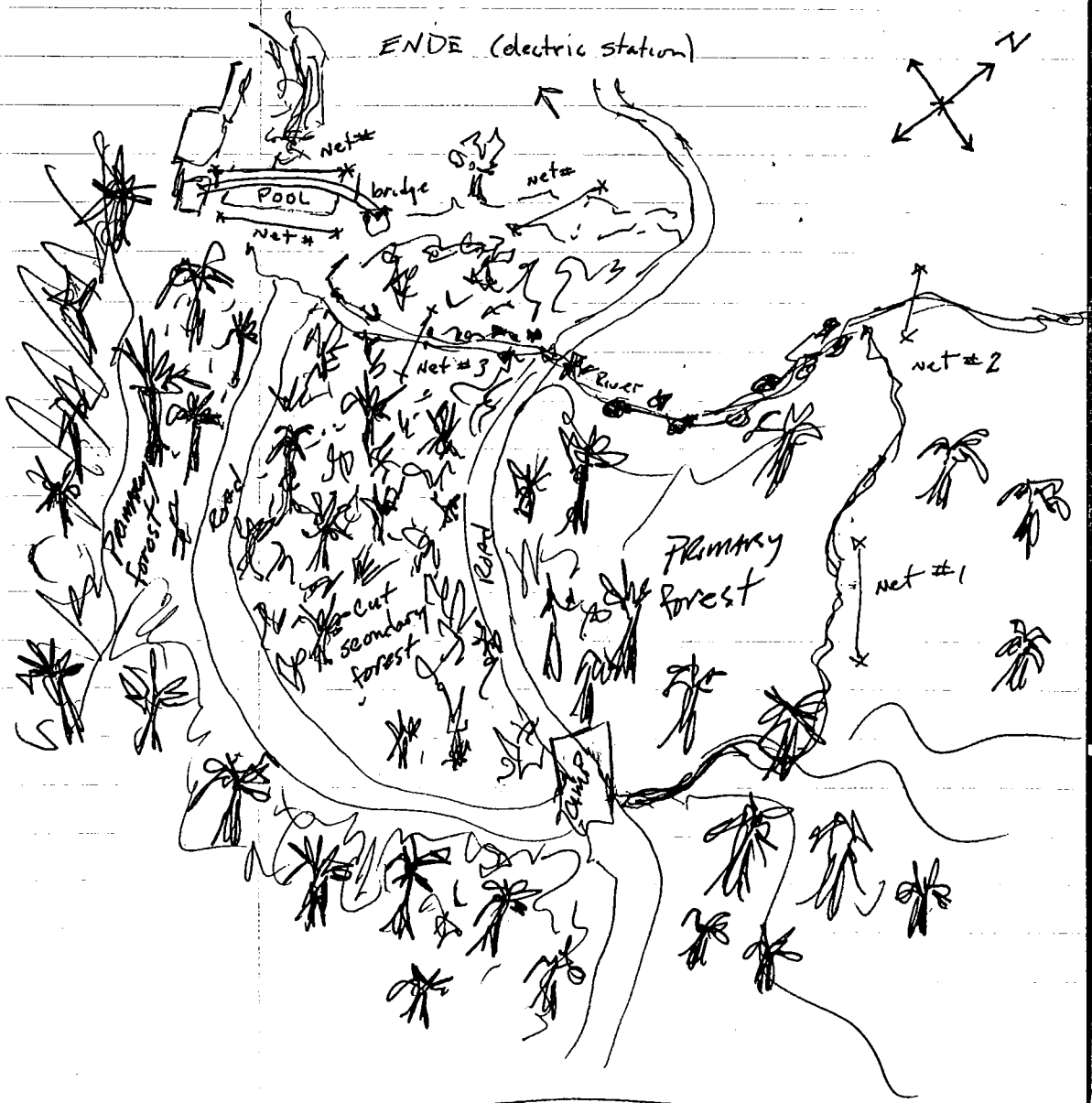
picked up traps. no captures, 2 closed Tomahawks.

The others caught a bunch of Steleros and Oxymyctes in shermans. The jeeps have gone scouting in the land cruiser to try and find a good camping spot.

LD  
Bol-93

Journal

Corani



Bolivia: Cochabamba dept. Corani, 17°12'43"S,  
65°52'09"W. elev. 2630 m.



~~Bob~~  
JLD  
Bob-93

Journal

Corvini

30 July

up early to take nets down. only  
1 Sturnia oporaphylum.

Total from this place:

5 S. oporaphylum

1 Myotis sp.

cleaned up on the rats. almost all traps  
set in trees to try and get the new  
rat that the first group caught.

TZY Caught 13 from 80 traps

Akodon minus, A. puer,

Oryzomys keesi, and 2 dark rats that may  
be a new type of Tomomys?

JSB / RASMS Caught 10 out of 40 traps.

Akodon, Oryzomys, and 2 of the Rhynchomys-  
types that we were looking for.

all the new, interesting rats were caught  
in trees. I caught 1 Oryzomys notatus  
in a Tomahawk.

Total catch 24 rats. 200 total traps (180 sherman  
20 tomahawks)

6 bats 6 nets

Tamandua tetradactyla

Bassirocyon gabbi

Akodon sp. A

Akodon sp. B

Microxus mimus

Proechimys sp. A

Proechimys sp. B

Neacomys spinosus

Metachirus ludicaudatus

Monodelphis kensi

Marmosops dorthea

Micoureus canereus

Oryzomys sp.

Oryzomys keasi

O. nitidus

Oligoryzomys sp. ?

Coendou sp.

Phyllotis wolfsonii

Phyllotis sp

Thalamyis pallidior

Akodon various

A. puer

Oryzomys paranaensis

Andinomys edax

Carollia perspicillata

C. castanea

C. brevicauda

Atoura

Myotis

Artibeus jamacensis

Saccopteryx

Platyrrhinus heleri

P. sp.

Artibeus anderseni

Vampyrops sp.

Sturnira lilium

S. oporophyllum

Artibeus lituratus

Sturnira magna

Tadarida brasiliensis

Myotis sp.

Myotis oxyotus