

6-24-1991

## Bolivia 1991 Field Notes

Sydney Anderson

Follow this and additional works at: [https://digitalrepository.unm.edu/msb\\_mammals\\_field\\_notes](https://digitalrepository.unm.edu/msb_mammals_field_notes)

---

### Recommended Citation

Anderson, Sydney. "Bolivia 1991 Field Notes." (1991). [https://digitalrepository.unm.edu/msb\\_mammals\\_field\\_notes/56](https://digitalrepository.unm.edu/msb_mammals_field_notes/56)

This Article is brought to you for free and open access by the Museum of Southwestern Biology at UNM Digital Repository. It has been accepted for inclusion in Division of Mammals - Field Notes and Catalogs by an authorized administrator of UNM Digital Repository. For questions or technical help with UNM's Digital Repository, please contact [disc@unm.edu](mailto:disc@unm.edu).

S. Anderson

Journal

1991

Trip NJ to La Paz

24 June

Weighted 3 boxes to go.

1 = 38 lbs 2 = 45 3 = 41

Got up at 0445. Hess lines picked me up at 0530. Arrived at terminal at Newark airport by 0615.

American Airlines to Miami. Changed plane. Met Scott Gardner and Terry Yates. American flight to La Paz, Bolivia, with stop of about an hour in Lima. Arrived in La Paz after dark and were met by Jorge Salazar and Bernard Haugan. They had a Volkswagen van and took us to Hotel Eldorado. Discussed plans a bit. Got a cup of Mate de Coca, checked stuff to take to Museo tomorrow.

Wrote notes. Mailed a card from Miami to Justinie.

25 June

Got up at 0700. Ate breakfast in the hotel. Went to a cambio and changed \$1000 @ 3.58.

Took taxi to CataCata and went to the Colección Boliviana de Fauna.

Left the owl pellet material for Szwojnyak and also the alcoholic material from the 1990 collection. We still have Marmosa from the owl pellets for further identification, Marmosa from 1990 for study by Eduardo Palma in Albuquerque, and skulls of Atamys for study by me in New York. The things turned over to Teresa Tarpe who is now in charge of the mammal collection. Scott Gardner, Terry Yates, Teresa, and Jorge Salazar worked out our tentative schedule (see separate page).

Took taxi back uptown and ate lunch at the same restaurant that Elena Flores took us to in February.

PRESIDENCIA DE LA REPUBLICA  
Fondo Nacional para el Medio Ambiente

CARLOS E. QUINTELA  
Director Ejecutivo

*Canilla 862*

Telex 2697 MACA BV.  
FAX No. (591 - 2) 367535-  
Telf.: Of. 361647

*31779*

Av. Camacho 1471  
La Paz - Bolivia

AGENCIA PARA EL DESARROLLO INTERNACIONAL  
A.I.D.

*Darell L. McIntyre*

*FAX 591 2 391559*

OFICINA:  
BOULEVARD EL PRADO 1628  
EDIFICIO BISA  
LA PAZ, BOLIVIA

TELEFONOS:  
358 191

St. Anderson  
1991

Journal

Luz Pzy, Bolivia

25 June

At 1430 went to talk to Parrell McLubye at USAID office.

Then went to talk to Carlos Quintela. Eduardo Forno is in the same office with him. Mine detailed notes in Yates notes. We discussed a tentative idea for a Bolivian Biological Survey as a sort of umbrella organization. This has potential interest to both McLubye and Quintela for larger scale plans that they are working on.

Went to the hotel Plyza at about 1900 for drinks, more discussion, and dinner, in which we were joined by Jorge Solymar and Jacquelin Miralles. They are to be married in early August and she will return to New Mexico with him.

26 June

Got up at about 0450. Packed, checked out, and took two taxis (because of the volume of our equipment) to the airport at El Alto. Took flight leaving for Santa Cruz at about 0700. Arrived there in about one hour. The students who were to meet us at the airport with the truck were not there so we took two taxis to the zoo. Osito Carlos Jordan the Director was there. We put our equipment in the deposits and our personal gear in an upstairs room that we can use in the administration building.

Osito here is to the agency from which we bought a new truck recently so Scott (from whose grant the money came) could verify that the payment had come through as planned on Monday. All OK.

S. Anderson  
1991

Journal

Santa Cruz, Bolivia

26 June

Took taxi to La Lupa mechanics and got name of used vehicle dealer and then went there, on apilto I near the university. Looked at some vehicles there. Walked to the main plaza and then took taxi to the relocated Lido restaurant for lunch.

Scott and Terry went to talk to some bankers about arranging how to pay for a vehicle.

A took taxi to CENETROP and talked briefly to Rolando Uggel. He had retrieved Justin's camera that we had left in a shop here in February. He also returned the \$150 that we had left with him to pay for repairs. Repairs could not be made. Rolando said that he was too busy to go in the field with us but would ask if any one else from CENETROP might be able to. He said that the note we cosubscribed (also with Vates and Barnaby) was scheduled to be published later in 1991 in their Bulletin (for "1988"). Some revisions have been made. I hope we see final copy and/or galley proof. Rolando said he would stop by the zoo to see us tomorrow after work (i.e. ca 6-7 pm) and perhaps we can have dinner before we leave town.

Returned Walked over to the campus and museum. Met Edilber to Guzman and a woman whose name I don't remember (has hairs <sup>Maria Dolores</sup> on forehead and arms). Just to let them know we are here. Did not see Marcelo or Teresa Cantarini. I suppose Marcelo will come to find us when he learns we are here at the zoo.

Took taxi back to zoo.

S. Anderson

Journal

1991

Santa Cruz, Bolivia

26 June

At about 1400, Scott and Terry returned to report on their contacts with the bank, what is involved in a bank transfer and in establishing a longer term account. Then they went with Otto to look at some more dealers' vehicles. I stayed in Otto's office to write these notes and await possible phone calls from auto dealer or from bank. We still don't know for sure when the folks from the field will return or contact us here.

Marcello Zalles with his wife Cristina and son Nicolas came for us at dinner time. We went to a restaurant. Gave him the binoculars I bought for him. He will repay me the \$74.87 (I have the cash register receipt). Also gave him the bag of wet specimens for the Museo here. He has only Maria Cristina Tapia and Emma Luna - Pizorro lined up to go with us.

Joshuis

Joe Cook said these three were also interested.

Erika Cuellar

Leonardo Mafi

27 June

Got up 0700. At 0800 took taxi to Hotel Corta to eat breakfast. Back to Zoo at 0900. Freddy, Manuel, and John had arrived with the truck. Scott and Marcelo are running about town looking for a vehicle, extending license period of truck we have, checking on insurance, etc. At about 1200 the truck left to go back up to Montero where they are dropping Cleomegas, a light shower of rain now. Morning spent in lab - deposits talking about plans, sorting gear, visiting, etc.

S. Anderson

1991

Journal

Smith City, Bolivia

27 June

Frothy said Joe had left \$500 for expenses but was not sure which grant it had come from. I had assumed it might be the extra \$500 that Joe had not accounted for to me. We will have to determine this later.

Yesterday I discussed the sale of the Red Jeep as is. I told him he could sell it for \$2700 and keep \$200 of this as commission, or buy it himself for \$2500. He said he was interested. He is Otto Carlos Jordan. The vehicle needs at least a new transmission to put it back in operation.

This morning I gave Otto a new copy of Louise Sumner's book on Neotropical mammals. I told him that Walker's Mammals of the World was not available (out of print).

We asked a taxi to take us to the Lido restaurant but he was engaged and took us to the Tang restaurant which I said was OK (we had eaten there in January). It is a fancy restaurant.

In afternoon went to the Museo and had a conference with Teresa Contarion and Marcelo Zalles. We need to work out a new convenio as the 3 yrs. one signed in 1987 has lapsed. Asked Marcelo to write a draft.

X  
Mauricio, Eduardo, John, and Maria Dolores returned with truck. Had 2 Bradypus they found dead on the road and some other specimens to be prepared.



UNIVERSIDAD AUTONOMA  
"GABRIEL RENE MORENO"

*Dr. Miguel Justiniano Lenz*  
DECANO FAC. DE VETERINARIA y ZOO.

Casilla No. 702  
Telf. Of. 34-3661 - 34-3776  
FAX: 591-3-342160

Santa Cruz  
Bolivia



S. Anderson

Journal

1991

Santa Cruz, Bolivia

28 June

At 0715 Marcelo picked up Yates, Gordon, and I and we went to the veterinary school for a meeting with the dean, Dr. Miguel Justiniano Lenx. Discussed an idea for a study of Dasypus as a possible animal for raising in captivity. Marcelo is interested in working on such a project and the dean said the Rector of UMSA was interested. There is also interest in developing a captive breeding program for one or more primates, in conjunction with Pan American Health Organization PAHO.

Went to ENTEL and after an hour and a half of efforts made arrangements through Justin to pay \$98 that Teresa Ruido Centurion owes on a travel package to an agency in Florida (the payment was due today and I told Teresa I would have them charge the thing to one of my credit cards). Stopped at salteña shop near plaza.

Went to the plaza and changed another \$2000 @ 3.58.

Back to Zoo. Work on specimens a bit.

At 1500 went to park office with Yates, Gordon, Campbell, and Dunham to talk to Nestor Luis about the crew to go to Huancabaca. Davis, Dunham, one student from La Paz and two from Santa Cruz will go Monday morning.

Went to dinner with Mike Bennett.

S. Anderson  
1991

Expense Records

		#	\$
7 Jan	2 tents (Campus) *		438.68
	rt airfare NWK-LP Classa Phys. Travel		914.00
14 Jan	subway		1.15
	international drivers license		18.66
14 Jan	Campus tent bag		5.99
	20m headlites		32.00
	5 cheap headlites @ 6.99		34.95
	2x, 4.5V batteries @ 4.75		9.50
	tax		5.78
16 Jan	van to take us to Newark		54.00
	porter at Newark		6.00
	porter at El Alto		6.00
	taxi		13.00
	porter in hotel		2.00
17 Jan	(changed \$150 @ 3.44 for 516 bolivianos)		
	trugi to Cota Cota	6	1.74
	trugi to hotel (semi-dutched, get taxi)	3	.87
	lunch at cafeteria Tokio	20	5.81
18 Jan	bkpt at " "	13	3.78
	for taxi to Cota Cota with box	15	4.36
	bus to centro	2	.58
	tip	1	.29
	candy	12	3.49
	dinner	25	7.27
	Smags	115	33.43
19 Jan	tip at bkpt (changed a hotel bill bkpt)	2	.58
	trugi to Cota Cota	3	.87
	dinner & tip	37	10.76
	bus to centro	2	.58

S. Anderson  
1991

Expense Records

Luz Puz, Bolivia

		#	
20 Jan	tip at bkfst	2	.58
Sunday	lunch	17	4.94
	dinner	27	7.85
	newspaper	1	.29
21 Jan	tip at bkfst	2	.58
	trugi	3	.87
	bus	2	.58
	peanuts	1	.29
	tip at tea	1	.29
	dinner	34	9.89
22 Jan	tip at bkfst	1	.29
	bus	2	.58
	trugi	3	.87
	dinner	17	4.94
23 Jan	tip at bkfst	2	.58
	trugi twice	6	1.74
	whisky & aperitif tip	6	1.74
	2 more sweaters permeal 25		
	hotel bill, 1 week, includes 7 meals + tea etc.	749.20	212.79
	changed 200¢ @ 3.44		
	2 more sweaters permeal 50		
	taxi to airport	20	5.80
	dinner " with Flavio	57	
	taxi to hotel	27	7.85
24 Jan	tip at bkfst (27¢)	2	.58
	trugi to Casa Caba	6	1.74
	trugi to hotel	4	1.16

S. Anderson  
1991

Expense Records

		#	\$
25 Jan	trnsfr to CDC	2,50	.73
	trnsfr to Costa Costa	6	1.74
	trnsfr to hotel	5	1.45
26 Jan	bkfst at Computeria Tokyo	18	5.23
	trnsfr to Costa Costa	2.60	.76
	" to hotel	2.60	.76
	tip	1.20	.35
	dinner at Plaza Hotel	47	13.66
	tea & roll	5	1.45
	repensas	10	2.91
27 Jan	tip at bkfst	15	4.36
	lunch at Lago Titicaca	27	7.85
	taxi personal #78		
	dinner	15	4.36
	repensas	9	2.62
28 Jan	taxi personal #6		
	lunch	33	9.59
	hotel bill	574	166.86
	airfare LP-SC-BART		1082.
	Casa de Murillo personal #10		
	to Flavio for computer paper	30	8.72
	tip to porter at hotel	7	2.03
	tea	5	1.45
	taxi to airport	25	7.27
	portera	10	2.91
	excess baggage La Paz - S. Cruz	273	79.86
	dinner at El Alto	16	4.65
	silver blouse personal #22		

S. Anderson  
1991

Expense Record

		#	\$
28 Jan	airport tax	10	2.91
	taxi Santa Cruz from airport	25	7.27
29 Jan	bkfst	11	3.20
	taxi	4	1.16
	roll film 36 <sup>24</sup> exp	5#	
	" 36 exp	25#	
	film processing	20#	
	shoes	18#	
	lunch	10	2.91
	cards printed	40	11.63
	changed money @ 3.45/\$100		
	dinner	15	4.36
	taxi	5	1.45
30 Jan	bkfst	13	3.78
	Enbal call to NM	49	14.24
	taxi	6	1.74
	lunch	10	2.91
	taxi	5	1.45
	dinner	28	8.14
31 Jan	taxi 6+10+3+7+6		
Thurs.	Hotst	4	1.16
	lunch	27	7.85
	kenamode, 2	3	.87
	expresso	2	.58
1 Feb	taxi 4+5+4+4		
	lunch	10	2.91
	vehicle cost of licenses etc. 4 yrs	290,	84.30
	dinner 31 Jan	25	7.27

S. Anderson  
1991

Expense Record

@3.44

		\$6	\$
2 Feb	bkpt	7	2.03
	taxi 4+4+4	12	3.49
	lunch	15	4.36
	(changed, \$100 at 3.44)		
3 Feb	bkpt	6	1.74
	taxi 4+4	8	2.33
	lunch	10	2.91
	hotel bill 6 days	452	131.39
	tip, maid	20	5.81
	taxi	22	6.40
	tip porter	2	.58
	bus, Buenos Aires from airport (2)		20 -
	taxi, to find hotel		10 -
4 Feb	tour de Tigre & Delta of Paraná 2, personal		
	represcos	15K	1.65
	dinner	70K	7.69
5 Feb	bkpt	52K	5.71
	taxi to Museo	24K	2.63
	" to hotel	23K	2.53
	represco	24K	2.63
	lunch	67K	7.36
	dinner (1)	20K	2.20
6 Feb	bkpt	50K	5.49
	taxi	13K	1.43
	bus to La Plata (2)	35K	3.85
	" to B.A. (2)	35K	3.85
	taxi	18K	1.98

\$A = australes  
29100

S. Anderson  
1991

Expense Record

@9100

		EA	£
6 Feb	lunch in Tra Plaza	65K	7.14
	admission to zoo	20K	2.20
	taxi	10K	1.10
7 Feb	bkfst	54K	5.93
	taxi to museum	24K	2.64
	" to LAB office	28K	3.08
	represcos	40K	4.40
	taxi to hotel	11K	1.21
	dinner to Museo (also for a full day of personal services rendered)		40.
	dinner	68K	7.47
8 Feb	bkfst	50K	5.49
Fri.	lunch	90K	9.89
	dinner	70K	7.69
	changed \$50 @ 8880A / £ [new rate]		0
9 Feb	bkfst	45	5.86
	coffee	20	2.37
	lunch	80	9.88
	bus 9+10 to Plaza-Halix	19	2.55
	taxi 40+41 to La Boca	81	9.11
	dinner	135	15.18
10 Feb	bkfst	60	6.75
	hotel bill		425.
	tips 30+30+30+20 at hotel	110	12.38
	taxi to Gyeong 1/2	170	19.13
	lunch		7
	air port tax	200K	22.50

		Expense Record	@3.45	
			bolivianos	
			#	#
10 Feb	taxi		5	1.45
	trunk fee airport		10	2.90
11 Feb	taxi 5+5+4		14	4.06
	bkfst		7	2.03
	laundry in B.A.			18.
	lunch		7	2.03
	dinner		25	7.25
12 Feb	bkfst		7	2.03
	dinner		12.8	3.48
13 Feb	taxi 15+3+3+3+3+3		30	8.70
	bkfst		10	2.90
	lunch		12	3.48
	dinner		9	2.61
14 Feb	bkfst		7	2.03
	taxi 4+4+4+2		14	4.06
	hotel 300 to pd need 18 more		378	109.56
	dinner, with Vogel		88	25.51
	left with Rolando for camera repair			150.
15 Feb	tip for maid at hotel		12	3.48
	to enter airport		2	.58
	bkfst		20	5.80
	to Otto for mechanics costs		50	14.49
	changed 50 \$ @ 3.45	L2 Pzy	—	
	trng. to Coda Coda		3	.87
	taxi to hotel		25	7.25
	tips to porters 4+2		6	1.74
	trunk to hotel		3	.87



S. Anderson

## Expense Record

1991		#	\$
		23.46	
15 Feb	Cardozo books (2)	30	8.67
	Sunay book (1)	45	13.01
	copy of Hella report @ 15 centavo/p	10	2.89
	" " Alvaro report (part)	5	1.45
16 Feb	bkfst	22	6.36
	copies of grant proposal	4	1.16
	trufi to Costa Costa	3	.87
	travel checks cashed on 15 Feb were:		
	EH034.691.750-754 \$100.		
	dinner Copacabana Hotel	32	9.25
17 Feb	bkfst at Hotel Eldorado	21	6.07
	bus	2	.58
	lunch	22	6.36
	tip at dinner (Bejarano)	10	2.89
18 Feb	trufi	3	.87
	trufi	3	.87
19 Feb	tip at bkfst	2	.58
	80 copies	12	3.48
	tea & ampersol	7	2.03
	trufi 3 + 3	6	1.74
	charged \$100 travel checks @ 3.46	—	
20 Feb	trufi	3	.87
	lunch (mercado, Trufi, Hinojosa)	47	13.58
	trufi	4	1.16
	tip	1	.29
	Flavio for girl to type ms into computer	200	58.00
	dinner (with Flavio)	28	8.09
	hotel breakfast & some meals		2.48

S. Anders  
1991

Expense Record

	#6	\$
21 Feb		
parking at hotel	2	.58
taxi to El Alto	27	7.80
parking	3	.87
tip	20	5.80
airport tax		24
limousine service airport-home		55

---

S. Anderson  
1991

Expense Record

trip to Argentina and Bolivia and later

11 Feb

received from Marcelo Zalles  
for field equipment turned over to him for use in  
an environmental study near San Ramón  
(see his letter of 1 Feb 91 and my memo  
of 27 Feb, attached)

₺ 1084.95

This amount was deposited in the Bolivian Expedition  
Special Fund (Dept. Mammal. AMNH)

1 Mar

Zalles sent by bank transfer to me  
₺ 2560 for purchase of vehicle

Bank charge to me for above transfer ₺ 10.00

Apr

Mailed Joe Cook as advance on field  
expenses for May and June

₺ 3500.00

May

Check to Yates, vehicle money

₺ 2560.00

Check to Yates, field expense advance

500.00

S. Anderson

Journal

1991

5 June

Dra. Sonia Sempértegui  
Casilla 7136 La Paz, Bolivia  
Ministerio de Previsión Social y Salud Pública  
Centro Piloto  
got from Art Greenhall

Names of students from La Paz who may be interested in 1991 field work in Tarija. Got from Teresa Tarija letter of 6 May 91

- ✓ ~~María Amparo Lucero Sáinz~~ July
- ~~Fabiana Méndez~~ see below also "
- ✓ Rosa Julieta Vargas Mattos Aug
- ✓ <sup>a</sup>Angelina María Nuñez Quiroz July

Dr. Richard Heberling

363 Pike Rd. San Antonio TX 78209

6 for July  
incl. 1 for Huanchaca virologist at SW Inst. recently retired  
6 for Aug.  
Also Teresa T. ?  
Flavio H.

(his wife died in 1988?)

Other La Paz students are:

- ✓ Patricia Fabiana Méndez Rayz (interest in Huanchaca)
- no Clea Lucrecia Soledad Paz Rivera July
- ✓ Sandra Gladys Rocha Olivio "
- no Fernando Felix Villarte Valdiviezo "
- ✓ Carminz Patricia Mirada Moreira Aug
- ✓ Juan Fernando Guerra Serrudo "
- ✓ Luis Fernando Aguirre "
- ✓ Roberto José de Umoste Vidaurre "
- ✓ Kent Smith "

S. Anderson  
1991

Journal

Tentative schedule 1991 Expedition

26 June 26 June - to S. City  
1 July - Monday - lv. for the field if possible  
1 July - small crew lv. for Huanchaca

16th - 15 July - Huanchaca crew fly to Tarija  
to 19 July to La Paz from Tarija 4:50pm Terry & Scott  
20 to Miami  
(Terry & Scott) perhaps large  
21-25 end first crew, rest work another site until

21-25 end first crew, rest work another site until  
1 Aug, students in second group come? Tarija, noon  
1 to 12 Aug. - Florida? N side main plaza  
lv. Tarija ca. 4 Aug.  
7 Aug to La S. City to Miami  
return 7 Aug (Davis, Campbell, Palma, Dunham)

up to end 21-25 Aug end work  
Teresa needs to return to La Paz by?

Zoo S. City 339939

S. Ardron

Journal

1991

To do in Santa Cruz

- 26 June
- ✓ get Justino's camera from Polando done ✓
  - paper work on pickup truck? ~~Yates signature?~~
  - sell red jeep? Otto is interested
  - ✓ contact CENETROP about publication status
  - ✓ plans for Davis (and who else?) to work a bit in Huanchaca area.
  - ✓ binoculars for Marcelo \$74.87
  - ✓ buy another vehicle (Scott) registration, insurance
  - ✓ repair radio-cassette player? ~~buy another~~
  - ✓ repair 3 tent poles? ~~get tents from Marcelo?~~
  - ✓ meet with Nestor - about Huanchaca area
  - work on new Convenio with the Museo Marcelo to draft another represo case needed or two? more for Camacho?
  - ✓ Owe me ~~190~~ <sup>no</sup> Otto \$2500 Marcelo 74.87 (Pd)
  - ✓ buy 4 more plastic boxes for liquid specimens
  - ✓ borrow tents from Marcelo (big one now, students to buy others)
  - ✓ build drying box - rig temporary box with trap
  - ✓ for Marcelo dissection equip. (students have this)  
(to bring specimens) grill, dipnet for fish, butterfly net ~~ask for~~
  - 
  - ✓ take books & plant press to Museo for Leo (from Pomer)
  - ✓ letter supporting use of high frequency radios in Bolivia
  - ✓ distilled water for Cenetrop (pick up at 1400)

S. Anderson

29 June

1991 Expedition Bolson

Jul

1 Jul 5 to Huanchaca  
Frosty, John, <sup>Roger Roberto + Patricia Fabiana</sup> 3 students (1 for La Paz)

2 Jul leave for Tarija

14 Huanchaca camp to S. Cruz

Cristina  
Emma

16 Frosty, John <sup>OT</sup> fly to Tarija

17 Terry & Scott fly Tarija to La Paz

20 " " to Miami

21 to 25 first crew depart

remaining crew work a site near Tarija

30 July Otto lv. for S. Cruz

Aug

1 Aug second crew students - meet in Tarija  
at noon, playa N side

14 Aug 4 to leave field S

7 Aug Davis, Campbell, Palma, Dunham  
(leave Santa Cruz for Miami 7 Aug)

8 Aug Otto & Ross <sup>did not come</sup> Henry to arrive Tarija

21-25 Arrive S. Cruz

S. Anderson

Journal

1991

~~Santa Cruz~~

29 June

Coordinacion

financiera  
vehiculos

Anderson  
Gardner

y general

personal  
vehiculos

carpas y tarpulinas Palma

parasitologia Gardner

herpetologia Yates nitrogeno

documentos

comidas y cocinas y heladeras Campbell

trampas y redes Salazar

specimens Anders



S. Anderson

Journal

1991

Santa Cruz

29 June

Worked on specimens in morning. Shipped back part.

Went to Hotel Cortez for lunch.

Scott has made down payment on another vehicle, now needs to get money transferred from California.

GA (duplication)

BTJ

1 July

The party left at 0330 for Huanchaca, Freddy, John, and Patricia Fabiana Méndez Raya from La Paz, and Romer from Santa Cruz.

We have long lists of things to buy, and so, today so we can leave for the south tomorrow. This may or may not be possible. Scott still has to get money transferred down here from California to pay for the vehicle, a 1985 Toyota crew cab at \$11,500. Anyhow, we are getting closer to departure.

Scott went to see about vehicles

Terry went to send FAXes to California.

The others went to plaza to leave and pick up laundry, to eat breakfast, and to divide duties for shopping etc.

Jorge & I will go to museo to take our old radio to give them and a plant press for a her (from Romer). Also need to get grill, tents, dissecting instruments, dip net, butterfly net.

done  
except nets

Fabiana will return to La Paz after the two weeks at Huanchaca. Freddy will give her money for trip.

S. Anderson

Journal

San Ramón

1991

Santra Cruz, Museo

19~~th~~  
June

Est. Costado 1635/6225

MNK 9 <sup>to</sup> <sup>ran in</sup> <sup>continuo</sup> <sup>47</sup> <sup>7/1990</sup> <sup>yg</sup>

= *Proechimys* skin & skull

235-87-33-17 = 10

62

60

47

these are all *Proechimys*

633

also

*Sm. M. Merulophis domesticus*

San Ramón

74 ♀ N.2.82 1635/6225 6 mar 91

215-81-23-21 = 72g

66 ♂ Romer S. Misarandino 55

6 mar 91

203-70-20-17 = 344g

70 ♂ Cristina Trujillo 92

7 mar 91

120-80-18-22 = 48.5

67 ♀ José Corbit Herrera 180

7 mar 91

199-68-19-21 = 48

68 ♀ JCH 181

7 mar 91

148-54-15-13 = 18

There seem to be a hundred or so specimens. They have collector numbers and an "MNK" number in a series beginning with 1, which introduces the possibility of confusion with the regular museum catalogue series. They said the specimens would be given regular catalogue entries and numbers later.

Notes on specimens from San Ramón

S. Anderson

Journal

1991

Santa Cruz

29 June

no. of people to go 2 July

11 ~~12~~  
13  
~~14~~  
- 18 with Otto  
2

Emma  
~~+ + Romer Huendee~~  
Lila

La Paz, adults  
to 3  
+ Salazar

Anderson  
Yates  
Palma  
Coplell  
Gardner

to go 16 July

+3  
= 18  
~~14~~  
15

Cristina Tapia  
Jose Lilia  
- Maria Dolores  
Darius V. S.

Otto

+ Davis  
Duma  
- Yates  
Gardner

~~18~~  
11

21-25 Jul ~~3~~ La Paz (a = 5? if small dogs)

= 20  
~~16~~  
19

1 Aug

+ 8 perhaps La Paz

Anderson

~~16~~  
15

7 Aug

- 4

S. Anderson

Journal

1991

Santa Cruz

29 June

tents we have

convoys (3)      Guekha L lab

Teglos 2, 4 people

Tamps 2

manilla 2?

Guekha 4      from Museo ✓

2 Teglos = 4?      from Museo

red teglos 4      from Museo

} students to bring

blue wall nets      for equipment

taxes

Marcelo owed me \$ 2212.15 were to cover

273 Sherman traps

Will have \$218.50 to cover 40 Shermans

Sherm 10.05 x 273      2743.65

6m nets 15 x 8      120      500 pd. <sup>+380</sup>

Macdon 4.95 x 30      148.50      300 " <sup>+151.50</sup>

Also interested in scales @ ca \$125 <sup>changed mind on this</sup>

wants field note paper

none left in any quantity

clear for Jose Luis project

S. Anderson

Journal

1991

Santa Cruz, Bolivia

29 June

Finished preparation of 6 specimens. At lab in deposito at 1000 waiting for park truck to come and pick up the equipment to take up to Los Fierros camp. The group will go up in a harduina early Monday morning. Scott went down to look at vehicles some more.

1025

Tom & Otto went to the chloroform. It is a controlled substance so they took some papers along. Got it OK.

1200

Truck for Huanchaca equipment arrived. Loaded it. Cristina Tapia to join us 16 July. Worked out a schedule and numbers of persons. We may hit 20 at times, a bit more than our maximum target of 15.

1230

Wrote for lunch (2 of us) to Hotel Cortes. Worked in lab.

Went to have dinner at Marcelo Zalles house. He is in a different part of town now.

Freddy Davis and Darwin Vaca S. returned from Montero on bus with specimens to prepare.

I had headache, took two Tylenol tablets and went to bed about 2400. Others worked later on specimens.

30 June

Got up at 0715. Wrote notes until after 0800.

Jorge Salazar arrived last evening from La Paz. Went to plaza to eat breakfast at the saltwater shop. Worked in lab getting organized. Ate no lunch.

Dinner at Lido restaurant. Returned to zoo at about 2415 to find four students had arrived from La Paz. Held briefing on the Huanchaca trip.

S. Anderson

Journal

1991

Santa Cruz

30 June

Roster of persons, handwriting samples

SYDNEY ANDERSON *Sydney Anderson*

FORREST DAVIS *Forrest Davis*

Jorge A. Salazar Bravo *Jorge A. Salazar Jr.*

JONATHAN L. DUNNUM *Jonathan L. Dunnum*

EDUARDO PALMA *Eduardo Palma*

Maribel Campbell *Maribel Campbell*

Terry Yates *Terry Yates*

ANGELA NUÑEZ QUIROZ *Angela Nuñez Quiroz*

Sandra Rocha Olivio *Sandra Rocha Olivio*

MARIA ANPARO LUCERO SÁINZ *Maria Anparo Lucero Sáinz*

Santiago Garcia Herbas *Santiago Garcia Herbas*

LILA ALEJANDRA SAINZ BACHERRE *Lila Alejandra Sainz Bacherre*

EMMA LUNA-PIZARRO QUINTEROS *Emma Luna-Pizarro Quinteros*

Scott Lyell Gardner, Ph.D. *Scott Lyell Gardner*

Cristina Tapia Arauz *Cristina Tapia Arauz*

Ma. Dolores Carrero Nagel *Ma. Dolores Carrero Nagel*

31 July

JUAN FERNANDO GUERRA SEQUEVO *Juan Fernando Guerra Sequevo*

Kent Sanders Smith *Kent Sanders Smith*

EFRAIN HIGUEL PEÑARANDA BARRIOS *Efraim Higel Peñaranda Barrios*

ROSA JULIETA VARGAS MATOS *Rosa Julieta Vargas Matos*

CARMINA PATRICIA MIRANDA MOREIRA *Carmina Patricia Miranda Moreira*

Luis Fernando Aguirre Uribe *Luis Fernando Aguirre Uribe*

Roberto José de Urrioste Vidaurri *Roberto José de Urrioste Vidaurri*

J. Anderson

Journal

1991

2 July  
1000

Santa Cruz, Bolivia

Rosemary Wood

came by the deposits

Casilla 5456 Santa Cruz, Bolivia  
new casilla. She is building a house near town.  
The sale of the estancia at San Rafael de Arriba  
to a local university run by the Bahai group is  
near completion. The university would agree to use the  
estancia in an environmentally acceptable manner to  
the Bolivian Wildlife Society - U.K. that Rosemary has  
represented here since Reg. Hardy's death two or three  
years ago. She went up to Llanchocha with our group  
in 1990. She hopes the university may be interested  
in employing her at least part time. She has some  
large live traps that Durham Univ. crew left with  
her. She could lend these to some researcher. I didn't  
catch how many she has. These are larger than  
raccoon traps.

Emma came by to discuss plans for travel to  
Tarija, through buses directly there only on  
Micoles of Sucre. So they will probably arrive  
either 12th or 19th. This is for 4 students coming down.

Cenotro may or may not be able to send someone  
to join our party or accompany us tomorrow. They  
will pay transportation, we would provide food,  
they would bring equipment needed and a small tent.

The equipment is all packed, food purchased, only a few  
things left to do. Hope to start tomorrow. Money for  
crew-al truck not here yet. All went to hide for dinner.

S. Anderson

Journal

1991

Santa Cruz, Bolivia

2 July

Yates to go with Jordan to narcotics office to get permit to transport chloroform.

0800

Scott to get big tarp to cover truck. Both to follow up on money transfer from California and final purchase of second vehicle.

Manuel to laundry then back to Hotel Cortez where Hervé & us had gone for breakfast.

Manuel & Jorge to buy stuff.

Eduardo & 2 students to deposits to arrange, pack, check tents etc. He took my keys to door.

Sandra and I went to the museum to give Marcello ticket to meet Terry in La Paz on 17 July. Ask if Marcelo or Centurion have checks for what they owe me. Centurion paid me \$90 in cash

done

BORYS MALKIN

UL. MAGIERA ~~7A~~ 7A / M. 30

01-873 WARSZAWA, POLAND

collects ethnological artifacts, insects, and various other things.

Went to museum. They may not have spare nets for butterflies and small fish to lend us (Manuel had asked). Centurion paid me \$90 in cash to reimburse me for paying this amount on an airfare bill in Florida via credit card. Gave Marcelo his ticket to go to La Paz.

Went to CENETROP. Got the 10 l of distilled water we asked for yesterday. Talked to Dr. Rivera the director about preparing a new convenio.

\*

Returned to the zoo.



1991  
2 July

Journal  
San Carlos Bolívar

2	GASOLINA	20 [l]	c/u
6	GASOLINA	10 [l]	c/u
2	GASOLINA MIXTO	10 [l]	c/u
3	AGUA DESTILADA	10 [l]	c/u
1	ALCOHOL 95% ethanol	5 [l]	c/u
1	DIESEL	20 [l]	c/u
7	AGUA	20 [l]	c/u
2	AGUA	10 [l]	c/u
1	AGUA	32 [l]	c/u
	(plus 3 more 20 l counted)		
1	AGUA PARASITOLÓGICO	20 l	

Givers us 192 l of water

100 l of gasoline (including 20 mixed for the generator)

S. Anderson

Journal

1991

Santa Cruz, Bolivia

3 July

Marcelo said yesterday that he would like for me to talk to two groups when I return about 23-24 August to Santa Cruz.

0900

At about 0900 went to restaurant a block and a half west of the plaza for breakfast. Scott and Jorge stayed at zoo to make phone calls to the bank to learn if money has arrived.

Rolando Urzuel CENETROP 339101 862p  
house 424729

Santiago Garcia to go with us.

1440

Truck loaded, now at Cenetrop, to pick up me and Santiago. Then back to COMSUR to pick up Terry, then on the road.

1457

2497.1 at second mill and Cochabamba highway; no wrong turn

1507

2501 third mill " " "

1520

La Guardia

1520.4

Km 9+400 turned S off highway on dirt road = 2512 kilometers

Very flat, sandy soil. We have fairly detailed road log for this road south in last year's field notes.

1535

2518.5 River crossing Another river 2519 @ 1537

1541

Side road to Peji 2522 Km 23 on sign

1546

Small water course, pa 2525

1549

Soil a bit darker, still sandy. Road recently graded.

1616

Railroad crossing 2535

1634

Basilio 40 km from conectora 2544

Hacienda El Pelicano Stopped for the night. Made camp on a small soccer field. = 24 km S of railroad crossing and 3 km N of Zanja Honda

S. Anderson

Journal

1991

trip from Santa Cruz to Camichi

4 July

Bolivia: Santa Cruz; 3 km N of Zanjá Honda, <sup>1816/6311</sup> 500 m

Bolivia: Santa Cruz; 1 km S & 3 km W Estancia Isibobo,

1931/6336

930 m

First local was for night of 3 July, = Hacienda El Palecano

Second for night of 4 July

0940

Loaded and ready to move on. El Palecano belongs to a Sr. Gasser. Jago noted the name

0949

Zanjá Honda 63 on odometer

1020

Estación Ingeniero Mora 81

railroad bridge over sandy river Km 438 on railroad

1116

this is Rio Seco 2607 odometer

1127

2607 hills ahead

1225

Albano 2639 stopped for lunch

1351-1345

ready to move on Rio Grande has quite a bit of water

2645.2 road goes to our left (sideroad)

1414

Estancia San Juan de Algodon 2650

Road climbing. Now ca. 625 m

Scrubby forest, scattered tall cacti.

1435

900 m ± at divide 2664

Take off to left

1506

2669

1514

Along S. part of lake Village with school

1517

Campanero Tapienda Road camp

1525

2676.5 Km 115 on rd YPFB station

1543

Village 15 houses ±

900 m rest stop & repair

1607

ready to roll 2692-

S. Anderson  
1991

Journal

trip for Santa Cruz road

4 July

1616

1629 2703 Ipiza 1040m

1639 2713 Gutiérrez

1645 ↓

1656 2722

road cuts abruptly to right & descends

At foot of grade a road goes to the right.

2722

Made camp for the night

1 km S & 3 km W of Estancia  
Isibobo, 930 m, 1931/6336

5 July

0645 Getting up

0855

0903 ready to roll 2729.7 at 0911 at junction again

Sunny morning, clear. Some overcast last evening. About a  
3/4 moon last night

Three captures last night, Miconemus cinereus, Grzomp  
domonni, and Monodelphis domestica; about 50 the night of

3 July,

1001 2762 Cruce Apati <sup>altimeter</sup> 1120m. 1055 on map

1020 79 Forging small stream

road to our camp last year at Cerro Achaustica is  
just beyond the stream

1034 "Seismic International" camp here 89 adults

1039 Check point 92 920 m 827 m on map of

Comini

Drove into town. Stopped, ate lunch, checked with the  
military post

S. Anderson  
1991

Journal

Camiri and south

5 July

- 1404 ready to leave Camiri
- 1417 2802 Travieso stop
- 1458 22 Village 920m
- 1528 40 Road from one right 1025m
- 1543 49 Road from " " 1025m
- 50 Stopped for rest stop 1600 ready to go on  
Saw cat tracks in dust there and Jorge picked up a cat scat.  
Out of Hills now. Organ pipe cactus, some  
open ground.
- 1622 2862 Boyubie  
Discussion at Aduana about possibility of road east to  
Paraguay. They wanted all our names and passport numbers.  
When we got to the military post they wanted this also.  
After some delay for all of this we went on and turned east  
on the road to the Chaco.
- 1651 2863 at military post 1707
- 1734 71 Shot a Conepatus. There are also Ctenomys  
mounds and burrows that seem too small for C. conoveri  
Road from the right just beyond, dusk
- 1741 " " " left horse to left
- 1743 2875 brecchia
- 1826 2891 Estancia
- 2898 road winding in hills
- 06.0 " to right 2900 leave hills for flat  
road fairly straight
- 1914 2914 630m putting in fence here
2916. adequate clearing for camp

S. Anderson

Journal

1991

near Bayuibe

6 July

This local will be designated as

Bolivia: Santa Cruz; 53 km E of Bayuibe, 630 m, 20°27' S, 62°56' W

We are 53 km by road E of the military post in

Bayuibe 2027/6250

We don't have the quadrangle for this for exact, so I'm not certain of the department. The road <sup>mainly</sup> ~~crosses~~ back and forth across the border of Santa Cruz and Chuquisaca in the first 30 km or so based on the quadrangle we do have.

The locality where we got the Conepatus is designated as:

Bolivia: Santa Cruz; 1 km S of 4.5 km E of Bayuibe, 815 m

= SA 10403

20°27' S, 63°14' W

7 July

Got up 0700. Small catch here, if I think. We are still cleaning up the last few from El Pelicano (3rd catch). They are a cavity this morning.

Lila plans to stay to the end of the expedition.  
Santiago also does.

1210

They have been trying to reach our crew in Los Fierros (Huerchua) on the radio, without success so far.

Prepared a food, with a lesion from the leg part in view of 95% ethanol and given to Santiago to take to CENETROP, = SA 10432

Prepared a few other specimens.

1515

At about 1515 Scott drove Manuel and I to a small stock bank where they had set a net and some traps earlier. We set out 12 cone-bear traps as 'trail sets' (i.e. no bait), most not in clear trails but in general area where they saw a cavity earlier.

S. Anderson

Journal

2027/6250

1991 Bolivia: Santa Cruz; 53 km E of Boyuibe, 600 m

7 July Walked back to camp, several km.

They will set up this pm.

The truck took Yates, Garcia, Palma, Luna-Pizarro, Gardner, Soloyor ~~west~~ back to place near Boyuibe where we saw Ctenomys signs on trip east. They will set up lab tent here, stay tonight, and try to capture some, except Gardner and Soloyor are to drive the truck back here tonight. We will all pack up and leave tomorrow.

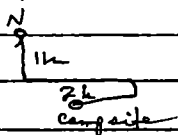
Their locality is:

Bolivia: Santa Cruz; 26 km E of Boyuibe, 800 m, 2026/6302

Est. Trueno

8 July 1025

1025 At N trap site near stock tank



Caught 5 birds, released 3, Manuel caught a Galea.

1122 Ready to roll 3029.0

1154 3045.1 edge of hills

1213 900m divide 3052.0 rest stop

Column cacti common here, not at slightly higher elev.

3054 came out of hills to flatter area

large herd of cattle, less ground cover, fewer trees

1232 3060.5 Arrived at the camp site where the others had moved to yesterday. Estimated locality as given above.

top to 105

S. Anderson

Journal

1991

Bolivia: Santa Cruz

9 July

1403

Small bees abundant, seem to seek sweat on the skin and are pestiferous because of their abundance. They don't sting. Prepared everything except these two skins to stuff and pin later.

3060 at camp

1426

70 just beyond right of way for pipeline, buried. Stopped a few minutes to look at *Ctenomys* burrows we saw on the way in. They seem to be *C. conoveri*, based on size of burrows. Mariel took some photos.

1441

74.4

1451

Arrived Boyuibe. 3080.0 at railroad, turned left.

1518

Crossed river 3101 940

1525

Road to <sup>San</sup> ~~Machareti~~ 3106 Cattle guard  
Well graded gravel all-weather road. Driving at 40 or 50 kph much of time. A bit bumpy

1550

Fad a river just N of Machareti, '800 m'  
3123.

1632

Arrived at Guzutindi in Tarija enter TARIJA

3146 '830m' reset at 650

3147.1 at river S of town, Made camp

Bolivia: Tarija; 11 km S of Guzutindi, 650m, 2100/6323

1706

I stayed in camp, pitched one tent, washed *Ctenomys* skin in river, set up gas lanterns. Others set traps.



S. Arkison

Journal

1991

Bolivia:

10 July

Left camp near Camatridi at 0934. 3147.1

Overcast since daylight. Altimeter 520m var

1039

Arrived Villamontes 3180.0 380m.

Bought supplies, checked in with the military post. Scott and Jorge talked to a Major Arteaga, a cousin of Otto's.

1413

Ready to leave town of Villamontes.

1421

At plaza  
Road climbs toward mouth of canyon. 400m

1438

Crossed the Rio Pilcomayo on bridge

1447

signs say 257 to Tarija 100 to Yacuiba

At Travato stop just across the bridge

1503

Km 9 = El Pibe 3198

1550

450m, road climbing drier boques  
600m

Km 9
tan 3189
camp 3251
distance
62
- 9
53

Eriogonum in understory

1555

650m at a divide, 3214 on odometer

1619

bridge across river 3224.3 570m

road parallels pipeline 800m

(came over divide back a bit at 900m) 3250.6

1739

Made camp.

Bolivia: Tarija; 2km S of 5km E of Palos Blancos, 800m, <sup>21°26'</sup><sub>63°44'</sub>

53 km fr bridge on an odometer

One of our large maps with road distances shows 71 fr Villamontes to Palos Blancos. The quadrangle shows 53 km from bridge to Palos Blancos.

July 212

S. Anderson

Journal

1991

Bolivia: Tarija

11 July

1100

3251.8 720 m reading this morning.

Maps had discrepant data on distance from Villa Montes to here.

Accelerator linkage needed some adjustment

1140

At a river, 3258.7 Palos Blancos just beyond.

Sign says 178 km to Tarija

3259.9 in  $\frac{1}{2}$  m Faesdal checkpoint

Road goes to left toward Casapari

reading is 650 m, map shows 720, so adjusted the altimeter to that value

1152

Up to 860 at a divide 67.4

Small river

3265 760 m

1220

climbing again - divisadero? 1160 m 3273

1234

morning, had stopped briefly.

houses, cultivated fields, corral.

81.5  
-59.9  
21.6

1242

more vegetative cover now above 1200 m 3276.7

rice houses, a 'colonia'

1247

reached 1300 m

1255

" 1450 m 3281

Stopped at a place that the woman in nearby house said was Tapequea. Map has Estancia Abra Tapequea, and this spot is  $14+2=16$  km from Palos Blancos

1407

Overcast (in cloud), misty precipitation, most of tents now pitched. Things are a bit wet.

Put the kitchen in the back of the truck.

81.5 1500 m

S. Anderson  
1991

Journal

- ~~Bolivia: Tarija; Tapeuca, 1500m, 2126/63455~~
- 11 July 1430 Figured out locality designations for yesterday and tonight.
- Last night was:
- ~~Bolivia: Tarija; 2 km S & 5 km E of Páez Blanco; 800m, 2126/6344~~
- 11 to 15 July At Tapeuca. Overcast, sometimes misty rain until morning of 15th. Interesting fauna. One *Ctenomys* in most unlikely area (see Yates and Gardner notes). Mariella got one *Monodelphis kunsi*. *Oryzomyia paramensis*, a number of *Oligoryzomys*, a number of *Akodon*
- 15 July 3281.5 odometer
- 1512 Loaded ready to go. Sunny this morning.
- 3293 bridge 1000m
- 1550
- 1608 small river ~~3401~~ <sup>3401</sup> 1000m Pan not working well, so will use this one that Scott Gardner gave me.
- 1618 3303.6 on upgrade 1070m (altimeter was reading about 50m below 1500m reading at camp)
- 1627 3306 divide
- 1631 river 15 kms n so 3307.8 1100
- Berety
- 1642 ready to roll
- 1655 river, 3313 odometer 1070m
- 1708 bridge over river, village San San? 1000m
- 1725 3324 upgrade 1350m; 3325.6 dividero 1228 1400m
- 1745 Entre Páez 3335 1230m on altimeter of a map, at dusk
- 1754 rest stop, just out of town
- 1807 34 Atripaya in Tarija ~~202~~ 2222 time 3441.5

S. Anderson

Journal

1991

Collecting localities for 1991 Expedition

14 July

1635/6225 2 km N & 10 km E of San Ramón  
= 14 km NE by road, Estancia Castedo, S. Am  
18-19 May 1991 540m

1811/6344 1 km NE Estancia Cuevas (Vivero  
Forestal Cuevas) 1300 m 21-25 May 1991

1810/6349 3 km E of Sinsipata 22-23 May

1802/6419 6 km NNE Quiré (Estancia Jahue)  
25-28 May 1975 m

1805/6420 2 km NNE Quiré 26-28 May  
2000m

1805/6419 3 km NE Quiré 26-27 May

1803/6419 5 km NE Quiré 26-28 May  
to base S. Am

1745/6502 17 km E of Totora; Tinkusiri, Coch.  
2950m 28 May - 1 June

1745/6459 0.5 km S of H.L. Lathu Pampa, Coch.  
2500m 30 May - 1 June

3 km N (by road) of Torrecillas, S. Am  
1-2 June

1749/6441 Serranía Sibarich, 11 km NW (by road)  
of Torrecillas 2650 m 2-3 June

1812/6418 12 km S of Quiré (Estancia Laja)  
2100 m S. Am 3-4 June

7 km SE Arizuma by road 1750m  
S. Am 4-5 June

5.5 km NNE (by road) of Valleguande  
(Río Cienea) 1800m S. Am 5-7 June

S. Anderson

Journal

1991 Collecting localities for the 1991 Expedition

14 July 1753/6307 2.5 km N of Santa Cruz, 15 km S of Santa Cruz  
11-17 June

/ 27 km S of Santa Cruz; 3 km E & 1 km  
C. Brecha a Tres 17-20 June

/ 3 km SE of Montero, 1 km N of Villa  
Copsalbarra 23-29 June

1816/6311 3 km N of Zanja Honda, Hacienda  
El Pelicano 500 m 3-4 July

1931/6336 1 km S & 3 km W Estancia Sibobo  
930 m 4-5 July

/ 5 July  
2027/6250 53 km E of Boyulbe, S. Cruz  
600 m 5-8 July

2026/6302 26 km E of Boyulbe, S. Cruz  
800 m 7-9 July

2100/6323 1 km S of Comatindi, Tarija  
650 m 9-10 July

2126/6344 2 km S & 5 km E of Palos Blancos,  
Tarija 800 m 10-11 July 1991

2126/6355 Tapecua, Tarija  
11-15 July

(see also 29 July Journal)

S. Anderson  
1991

Journal

Bolivia: Tarija; Tarija city

15 July

Alexandra thought she might have a house here of her parents that we might use, but she was not able to contact the woman who has the keys.

We went to the Hotel Prefectural. This was a new hotel in 1979 when Justice and I stayed here. Now it has an iron fence and swimming pool. Slept well. The folks in the back of the truck on our right side from Entre Rios had a very cold ride.

16 July

Ate breakfast at the hotel (the continental breakfast is included in the hotel bill). Transcribed a few notes. Marielle took the three students from La Paz to get their bus tickets to return home leaving today. They arrived in Santa Cruz on the 26th of June, so they have been with us for 21 days. I told Jaime Sarmiento we would give the students an allowance of about \$10/week, so I'll give each girl \$600.

Term went to LAB office to reconfirm his and Scott's flight to La Paz tomorrow afternoon. They were going to call the zoo in Santa Cruz to tell Frosty et al. what to bring down this afternoon on the flight.

Marielle was going to try to get copies made of all the students' field notes.

Scott will see if he can get the truck washed and lubed, or find out where I can do this later.

Mariel got tickets for the three students to go to La Paz (at 80 Bs each).

920 on  
tape

S. Anderson  
1991

Journal

Bolivia: Tarija city

16 July

Returned to the Hotel Profeccional for lunch.

The three students left on the flota (bus) for La Paz at 1700.

Scott and Jage went to the airport to meet the 1645 flight. Davis, Dunham, Jordan arrived on the flight. The three students from Santa Cruz will arrive Friday (19 July) afternoon or evening with the rest of our equipment that Davis et al. had at Huancabamba, as well as the students' equipment.

Terry gave me his expense account records

They had a "bachelors party" for Jage Salinger who is getting married on 3 August. He will fly to La Paz this afternoon with Yates and Gardner.  
17 July

Gardner took the truck to get it washed and lubed this morning.

17 July

Jordan showed me a draft of part of a paper he hopes to publish later on *Catagonus*. It lacked the lit. cit. and detailed data on observations mapped in a figure. There is a lot of general information and not much first hand detail as yet. We might get a copy later.

\*

I should revise or at least review the key characters for *pecarias* and send him also copies of drawings of characters.

Scott gave me the title (card in plastic) for the truck (I put in my billfold).

Journal

S. Anderson

1991

Things to do in Lapa

17 July

For Syd.

1. Arrange for a meeting with Lapa people & Syd.  
Where? 1 Aug. Plaza  
When?

2. Arrange for people to meet Syd's plane in Lapa.  
When does it arrive? I don't know.

Things for Syd to do in Santa Cruz

1. Arrange to fly nitrogen tank to Lapa

2. Secure truck. See Roxanne.  
Radio separately? NO

3. Leave one big tank with Marcello plus \$40 dollars for nitrogen.

↳ Leave remaining waste tubes

None

✓ Slides

✓ Methanol

✓ Acetic Acid

✓ KCl

✓ Bring NK book, Catalogues, Chromosome slides, tissues, skins, SKCS to NY.  
Parasites? ✓



S. Anderson

Journal

1991

Bolivia: Tarija

17 July

Eloy Anello Pres. Bd. of Trustees from Texas

Universidad Nür Casilla 3273

Santa Cruz FAX (591) 3-331850

phone office (591) 3-338939

home 3-322622

interested in environmental programs

Marcel talked to him in Tarija 17 July

See earlier notes of 2 July

Terry has the originals plus two copies of catalogs and  
one copy of journals of the three students from La Paz  
(Amparo, Sandra, & Angela). We have copies here  
to be sent to the students.

\*

23450 is where we are now in NK records

24000 we have pages, leaves only 550 more  
pages.

\*

Marcel and Eduardo prepared a tally from NK  
book of stuff since Cook's work ended up to now  
17 July. We will need to add some non-NK items.

\*

Also need to add Davis' materials from Huanchaca.

\*

Terry to make copies of NK records in La Paz and  
send them down with the students on 1 Aug.

Scott gave me a note about the truck. We should  
get a spare cable for accelerator linkage.

1544

Van about to leave for airport with Yates, Gardner,  
& Silberger to fly to La Paz.

S. Anderson  
1991

Journal

Bolivia: Tarija

17 July

Otto says that the best offer he has received for three interested persons is \$2000 for the red Jeep we have in Santa Cruz.

30 July

Otto will fly to Santa Cruz on 30 July and will return on 8 Aug. to Tarija to meet us. He will then stay with us to the end of the expedition.

8 Aug

1 Aug

On 1 Aug. we will meet the students from La Paz in Tarija. Flavio may have to leave about 12 Aug.?

12 Aug?

After we see the group off this afternoon, we will go out to some nearby camp tomorrow morning. On 19th the truck and two or three people can come back to town to buy supplies and pick up students.

19 July

21 July

On 21 or 22 July we will go down the Puna southwest of Isacagachi to make a camp or two. Got two garafas refilled. ↑ [Did not go that far]

977 type

3 Aug = Sat.

1050

Group left hotel to go downtown + Santiago

Today we need to:

Complete NK books with field notes  
Make copy of NK books

Scott went to take truck downtown for servicing.

S. Anderson

1991

18 July

1015

1017

Journal

Bolivia: Tarija

1925 on altimeter

3451.7

stopped for diesel & 10 l gasoline. 3454.8

Stopped at Tomatitas

1110

3462.9 transito, rd W toward Potosí

back tracked to Tomatitas, then W up the Erqui's Valley. 3474.2 (11.3 h back track + valley)

locality to be designated as:

Bolivia: Tarija; Erqui's, 2000m, 2128/6448

Luis Castillo, whose name Gastón Rojas had given me earlier, moved from the Erqui's Valley to Santa Cruz about two years ago, but has relatives here.

We found an uncompleted new adobe house and got permission to camp there. Put our kitchen and lab on the open front porch area and our tents here and there about.

19 July

They have set our full complement of 400+ Sherman traps. The evening of the 18th some youngsters took 16 frogs, of which we recovered 15 through their parents' intercession.

Next morning the truck was taken to Tarija to meet students from Santa Cruz and buy supplies.

Cristina Tapia and María Dolores had arrived at 2am this morning.

20 July

A bit of trouble with the generator today, they managed to get it to restart. They need to go back to town this afternoon. Guerra has a problem with approval of her leave of absence not having been approved. The other

24.2  
62.9  
11.3

S. Anderson

Journal

1991

Bolivia: Tarija; Eravis, 2100m, 21°28'S, 64°48'W

20 July

(cont.) student who was to have come today has unilaterally changed his plans to arrive 26 July. We have to call and tell him to come on 31 July or 1 Aug. instead.

Emma feels she must go to Santa Cruz to clear up her lack of permission for leave. Advanced her \$200 for trip (\$180 each way). Otto will drive her to Tarija soon (near 1546) to see about catching a bus. She plans to return with the other student on 1 Aug (or 31 July as alternative)

As Cristina seemed to be borrowing all of the instruments I needed from my box, I gave her one of the sets of instruments for Mammalogy at the Museo.

10 people

Our party now consists of ten people: Anderson, Palma, Jordan, Dunning, Tapia, Carrasco, Campbell, Shinz, Garcia, Davis.

21 July

3524.7 at camp, loaded

1113

1131

at jet. altimeter reads 1940m 3529.5

at transit at road branching, we go to Sankaranga, the other to the left toward Jacayachi 3535.5 2000m

1213

Rest stop 3543.5 2380m

later correct here

1226

Passed small cemetery, abandoned house, possible camp site at nearly 2500m. 3546.7

Sign posting this as a protected area.

1231

Village here, <sup>Tudca milla</sup> 10 or 12 houses in an saddle.

1242

Met old fashioned llama train here, was a bus 100, carrying salt blocks. 3000m @ 1256 3555.6

S. Anderson  
1991

Journal

Bolivia: Tarija; Serranía Sima, 3200 m, 21°27'S, 64°52'W

21 July  
1336 Stopped to let motor cool. I walked up a side road and decided this would be a good place to camp. We can see Tarija far in the valley below, to the southeast. Designated locality as given above. 3559.5 on odometer

1618 Puna vegetation, rocky slopes, grass dumps. The folks got all of the Sherman traps (>400) set.

22 July In the night, there was some sleet and considerable hoar frost. There was the equivalent of 10 mm of snow over everything by morning. Few typical snow flakes. Long icicles fell in place. By noon all melted away. Clouds still fill the valley east of here where Tarija is located.

1315 Captured 11 small mammals.

23 July Night was a bit colder, but clear, windy toward west.

24 July Will take live animals on to next site for processing. Interesting place, we got both Bolomys amoenus and B. laticens, the former a range extension from Cochabamba of more than 450 km. We got Phyllotis caprinus fairly common and at least one specimen of Phyllotis xanthopygus.

1115 Mornig. 3559.5

Came on up west over the divide at 3700 m and down to Iscayachi. Made camp on east bank of Rio Tomayapo south side of road.

Bolivia: Tarija; 1 km E of Iscayachi, 3416 m,

This is the same site visited by one of our parties led by Joe Cook and Scott Gardner several years ago. This is essentially the type locality of Ctenomys.

S. Anderson

Journal

1991

Bolivia: Tarija

24 July

(cont.) lewisii. Gardner got parasites from only two of the "14" specimens they collected here and would like some more parasites if possible. He is interested in seeing how the phylogeny of parasites correlates with that of the Ctenomys species in Bolivia.

Davis is interested in getting a bit of population genetics data also.

These are our main goals in coming on over here.

25 July

0940

They have caught several Ctenomys, some yesterday, some this morning. They caught two or three Galea by hand a few minutes ago.

Palma set a few Sherman traps hoping to catch a Thylamys (the group got over here on the earlier trip). We are setting few such traps. They got a large number of small mammals here earlier and there are many people about to place traps at risk of loss.

1720

We have 9 Ctenomys and Mariel has found one with tapeworms and three with nematodes, so our basic objectives are met in large part.

A larger sample of nematodes would be useful.

Mariel says the village up the road east a few kilometers is Sama. I had suspected as much. There is an old church that Otto took some pictures of.

The Budin expedition of 1926 worked out of Sama and got several highland species we have not picked up yet. She suggests we might stay camped here and duke up to set Sherman traps tomorrow afternoon. I think this is a good

(cont.)

S. Arbeson  
1991

Journal

Bolivia: Tarija

25 July (cont.) idea.

1730

A military official and a police officer stopped by today to find out who we were. Also several dozens of local people. We have had a continuous audience all day.

26 July

1605 3585.0 at camp '3520' on altimeter  
(3416 on map for Ascazuchi.)

3587.7 at church in Suma '3430'

1625

3590.8 at '3650'

Will designate this locality as:

Bolivia: Tarija; 4.5 km E of Iscazuchi, 3750m, 21°29'S, 64°55'W

4.5 is direct, not road distance

27 July

At trap site by 0830. Will leave a second night.

At trap site again at 1520. They will resit and move some of the lines.

Maniel went to town (Ascazuchi) this afternoon and got a flat skin of Felis jacobita from:

Bolivia: Tarija; Huarmehi, 3300m, 21°21'S, 65°05'W

Finished bathing, 1710.

28 July

Truck loaded, 3621.7 '3370 m'

1140

1200 stopped to pick up traps

Someone has taken 17 traps from the lower end of Palma's line. He talked to a woman there yesterday afternoon. So we drive back down to the village of

Suma to inquire. No luck.

1604

3656.4 Tacumilla '2580 m'

3658.5 camp site at cemetery

S. Anderson

Journal

1991 Bolivia: Tarija; 1 km E of Tucumilla, 2500m,

28 July

21°27'S, 64°49'W

1800

This is the locality near the cemetery on the main road toward Potosí. It is only one km or so NW of our earlier campsite on the Rio Erquis at 2200m, but the vegetation is less cultivated, dryer, and worth sampling.

Air not cooling so fast after sun set as at the higher localities.

29 July

They caught 27 small mammals last night. A good variety. Includes a large Bligoryzomys with large feet that I don't know where to place, some Calomys, Akodon, Phyllotis, Thylamys.

30 July

Good variety again today. Went over Otto's manuscript on Catagomys with him. Told him I would pay his airfare for the trip for S. Cruz to Tarija on 8 Aug. If Rosa Lenny Cuellar comes on that trip, I will pay only the cost of the plane plus extra 20 \$ for incidentals (i.e. 100 \$ total). Manuel picked up an Oryzomys this morning. Turned out to be an Akodon.

1411

ready to leave camp - Otto, Lila, Santiago.  
3658.5

1500

at hotel in Tarija 3680.7

Little water but Santiago got a few containers filled. Preservations OK for 31st of lat.

Lila got ticket on plane to Yacuiba, then will get ferrobus to S. Cruz, for Maria Dolores who is not feeling well and wishes to return home.



S. Anderson

Journal

1991

Bolivia; Tarija

29 July

Collecting localities for 1991 Bolivian Expeditions  
Continued from 14 July Journal list.

2128/6448 Erouis, 2100 m, 18-20 July

2127/6452 Serranía Samz, 3200 m, 21-23 July

2129/64 1 km E of Iscayachi, Río Tambopuyo, 3416 m  
24-28 July

2129/6455 4.5 km E of Iscayachi, 3750 m  
26-28 July

/ Huaramechi,  
hunter's skin of Felis jacobita, see Campbell's notes

2127/6449 1 km E of Tacumilla, 2500 m  
28-31 July

2216/6433 3 km SE of Cuzambuyo, 900 m  
3-5 Aug

11.5 km N & 5.5 km E of Padcaya, 1900 m  
2147/6440 6-8 Aug

S. Anderson  
1991  
29 July

Journal

Bolivia: Tarija

Summary of sites on transect W of Tarija city

Huacamechi

Iscazachi

Tucumillz

Erquis

Tomatitas

Tarija

- ① 1 km E of Iscazachi 3446 m
- ② 4.5 km E of Iscazachi 3650 m
- ③ Serranía Sama, 3200 m
- ④ 1 km E of Tucumillz, 2800 m
- ⑤ Erquis, 2100 m

S. Anderson  
1991  
29 July

List of final  
Things to do in  
Santa Cruz - 1991

① \* Wash Truck. - Servi Centro 33-8987 ✓  
(on 2nd annex) Av. Santa Cruz no. 839.

② \* Grease + change oil - Saldias ✓

③ \* Mike Bennet (Emicruz) - [Take truck when ready] ✓  
- 845140 or - 329619 [to leave Santa Cruz.]

\* Rolando Borda, Rhea Borda (wife)  
- 342115 (home)

- used car dealer, speaks english

- Knows all about the papers for the Truck.

\* COMBI Ltda. - 343043  
(place truck is warranted for 1 year)

\* Credinform Internacional, S.A. Seguros.

Carmen Peña Guiterrez (owner)

- call -37512 if any problems with  
needs for insurance.

④ \* Put one small tarp over the cab ✓  
of the truck + secure with

Rope. Give Mike Bennet Keys ✓

+ get name + phone # of person ✓

who will keep the truck for us.

⑤ Move tools into Cab from tool box. ✓

S. Anderson

Journal

1991

Bolivia: Tarija

31 July

101  
Page

Got off from camp about an hour beyond our target of noon. Drove to Tarija and checked in at the hotel Prefectural. Found Emma and five of the La Paz students present. Two other students expected to arrive tonight or tomorrow.

Eduardo and John were able to change their tickets to fly to La Paz tomorrow afternoon rather than to Santa Cruz with Frosty and Mariel. They will be able to attend Jorge's wedding on the 3rd!

Maria Dolores had said she needed to leave on the flats today and yesterday I had her buy a ticket for \$630 to Yacuiba. She was to take the ferobus from there to S. Cruz. Now she says she would have to wait till Monday and she needs to be back sooner. She would like to fly tomorrow. I gave her the ticket to see if she could get a refund on it, and offered to pay the airfare difference of \$6120. The other transportation would have been \$6110 (30 flats + 80 ferobus). So the \$6150 airfare is 40 \$6 more which will be paid in place of allowance I would have paid her otherwise. We shall see. Everyone would like to fly but our budget won't allow this for all of the undergraduate students we are trying to accommodate in the expedition.

S. Anderson  
1991

Journal

31 July

to do in Tzovija

on 31 July - 1 Aug

- ✓ meet Emma & other student?
- ✓ meet 6-8 students from La Paz
- ✓ 4 to leave - via avion Davis, Campbell, Dumas, Polina
- ✓ 1 to leave - via plane Maria Dolores
- ✓ pack specimens to go
- ✓ complete the list of specimens going Freshly to finish
- ✓ get generator tuned up
- ✓ resupply
- ✓ 8 Aug pick up Otto & (Rosa Lenny, did not come)
- ✓ resupply
- ✓ get generator fixed, buy a new one? not repairable here, coil burned out, new one too expensive, no Honda agency here

S Andam  
1991

Journal

1 Aug

Bolivia: Tarija

We saw Palma, Davis, Campbell, Pennum, and Carreño off on the plane at about 1300. They are going to Santa Cruz.

The other students from La Paz arrived. The crew now consists of Anderson, Garcia, Luna-Pizoz, Tapia, Sziny (here earlier) and new persons Buena, Smith, Peñaranda, Vargas, Miranda, Aguirre, Urioste (12 in all).

They went out to buy supplies in pm.

2 Aug

Suizas has blown in from the south. Turned colder, overcast, light sprinkle in morning.

1000

Everyone scurried about and the truck was loaded at <sup>1000</sup> on schedule. Santiago returned about 45 mins. after that with the laundry, which was not dry when he went to get it before 1000.

3743.5 altimeter '1800m' a '1760m'

1048

Ready to roll.

1214

At Padcaya 3795 '1950'

We were surprised to find the road paved to here.

1401

La Mamora check point here 3842.3 altimeter '1150m'

1455

Cuyambuyo 3860 '840'

started here last night. Forested area, clearing.

3862.7 '800m' at camp site

designation on top of next page

22/6/6433? compare with ms coordinates

compare OK

168m  
tape

S. Anderson

Journal

64°33'W

1991 Bolivia: Tarija; 3 km SE of Cuyambuyo, 900m, 22°16'S,

3 Aug Getting an interesting variety here, including some Thylomyia, Akodon, Oligomyzomys, Oryzomyzomys. 'Lucho' and Roberto put up some bat nets.

4 Aug Emma tells me she has no possession dichonmate, although I asked about this earlier, and was told there should be enough to last to the end of the trip. I don't know what happened (misplaced, took by mail by mistake or?).

5 Aug

1500 Truck loaded 3862.7 altim. '1040m'

1551 Manera 3883.2 military check point.

1739 Padcaya 3930.4 '2030m'

camp 3942.9 '1950m'

1924

partly setup  
Bolivia: Tarija; 11.5km N + 55km E of Padcaya, 1900m, 21°47'S, 64°46'W

38 5.5  
03 15  
5  
11 20  
13

We are on the Quebrada Colpans about where it joins the Quebrada Calderillas on the Tarija quadrangle (SF 20-5). The hills rise above 2000m just to our west according to the map and according to what we see there.

6 Aug They brought in about 27 specimens in the Sherman traps. Mostly Gromys gusaeoplans, but some Akodon and at least one Calomys. I saw. The area is arid, cactus and mesquite on hillsides and draws. Houses and cultivated small tracts in the area. We got permission from the local people and three children are watching our morning's work with the great interest.

S. Anderson

Journal

1991

Bahia: Tarija 'NE of Palcaaza'

6 Aug

(cont.)

We are trying to indoctrinate the locals not to molest the traps.

The local owner at the previous locality near Cuyambuyo we think took 10 Shermans and me Tomahawk trap (value \$120) then went off to Tarija. That is not cheap rent for what we got from him in permission, fire wood, 2 Desmodus skulls, and hospitality.

7 Aug

Lots of Gromys, Akodon also abundant, a few Calomys.

Generator has quit. They have processed some with hand centrifuge, but also broke some tubes with it. Perhaps we should buy a second generator? Not so much for two more weeks this year but for the next years.

8 Aug

Lila got one Thylamys this morning, also some paler Akodon. Several Calomys also in some live.

I thought we might speed up the processing by preparing about 20 specimens of Gromys and Akodon as skeletons only, but Guma wants to save guts for parasites of some, Cristina wants to save some tissues. Only 5 were barytyped. I explained the trade off of time. I think it will be late afternoon before we get to town. It was, but not so bad.



S. Anderson

Journal

1991

Bolivia: Tarija; Tarija

8 Aug

3942.9 1451 break camp

arrived at hotel in Tarija in less than an hour.

Otto is here but Pasa Tommy Cuellar is not. He brought me black box with 30+ kg of stuff. We had a regusco, then got in rooms (they had a big fiesta here yesterday and today and are just getting cleaned up).

generator

Otto and Santiago took the generator down to the Honda place to see about getting it functioning again. Also to price a new generator.

jeep

Otto said his potential buyers for the red jeep have lost interest.

Otto said the crew got off last night OK. There was some question about the fox specimen and it was left in Santa Cruz (*Atelocynus*). It was not on the list I had in my notebook of endangered species, so I'm not sure what the problem was.

9 Aug

The coil on the generator has burned out. It would take two days or more to rewind the coil, spares are not available here. We bought boxes of 24 D cells & 24 C cells and will get along without a generator the last two weeks (actually 10 days is closer).

1148

Waiting for final loading of truck.

1207

3982.4 at hotel, ready to roll.

1235

3991.2 at transit, bought diesel.

1252

4000 sign camp Yesera to left

1400

4025.1 Juntas in valley, 2 metal grain bins '2360'

S. Anderson

Journal

1991

Bolivia: Tarija; Tarija to Entre Rios

9 Aug 1418

'2650m' at 4031

stopped for 10 min rest stop. Something fell off the load also, picked it up.

1605

4071.1 at 4072 San Diego del Sur

up on ridge, fairly cleared

1612

Stopped at 1640 at road off to the YPPB pipeline pumping station

4081 altimeter '1600m'

Got OK to stay here. They set traps, I think more than 200 in all.

Will designate this locality as:

Bolivia: Tarija; 5 km NNW of Entre Rios, 1600m, 21°29'5, 64°12'

1909

Cold misty rain falling. Just wrote notes. They gave us three rooms to use and we can put our party of 13 in these comfortably. There are 6 beds and we are equipped with sponge rubber pads and sleeping bags to sleep on the floor

Hillsides are steep and densely wooded here.

I talked to the man in charge here (the jefe is in town in Entre Rios about 5 km or below here by road). Ottowent into town with a local man in their jeep and got permission to stay for three nights.

10 Aug

Still cold, overcast, misty rain in morning. Good catch of 30 so in about 300 traps. Similar mix as at Tapecur earlier.

They gave us space in the garage to set up our lab. Also have electricity. My adapter for my electric razor will work with the electric centrifuge. Lights are available

222  
tape

S. Anderson

Journal

1991

Bolivia: Tarija; 5 km NNW of Entre Rios, 1600m,

10 Aug

76

21°29'S, 64°12'W

About 1600 the electricity went off in the building we are using. One of the pumps on the pipeline is down also. Out about 2 hours, then on.

11 Aug

Good catch, about 28, again this morning. Overcast but higher cloud cover. Some frost on the trees up on the ridge. Sun out by midday.

12 Aug

Caught 14 this morning, good variety. Sunny again. Prepared everything. Now loading last of things

1340

into truck (1340 time, 4081.7 admeter, 1600m altimeter). Picked up a Micromes cinereus and an Oryzomyces this morning, the first for this place. They cleaned the air filter and adjusted the accelerator cable, hope it gives us a bit more power, we had a difficult time getting up the steep grade to the pumping station on the flat top of a hill.

1352

4082.4 at rd

1413

4089. at Entre Rios

Stopped to thank the jefe of the station, got address of jefe to write thanks.

4090. at transit

1448

4095.2 Pajon?!

1513

4105 5 km Simon

1619

4125.8 photo of palm by Otto '1060m'

1717

4144. Tapacua 1500m

S. Anderson  
1991

Journal

12 Aug 4166.0 at Palos Blancos 1903 finished dinner  
4182.2 at Choere

Stopped for the night in 'chicken yard' plot near  
Road sign shows Budin's locality Itau to right  
(west)

13 Aug Got up at 0700.

4227 Carapari 0935

1050 4231.2 camp site mostly now set up  
will designate this as: 850 m  $63^{\circ}47'0$

Bolivia: Tarija; 3 km WNW of Carapari, 850m,  $21^{\circ}48'5$ ,

The folks here call this the Rancho Segovia  
and the stream the Quebrada Itau. Itau  
is across the ridge in the next valley west, and  
farther north. Itau is a village and a collecting  
locality of Budin's. We are just below a Rancho  
Santa Rosa on the Villemontes quadrangle  
(SF 20-6).

leisurely day. They bought a goat and we had  
asado for lunch.

1650 Now most are out setting traps. Lots of ticks.  
I have sulfur for sprinkling on clothes and some  
potent tick killer that I can't convince them  
not to overuse.

14 Aug Good variety again this morning, nearly 30 species.  
Include Oryzomyes, Calomys, Akodon, Oligoryzomys,  
Thylamys, Dryomys.  
Lab set up and going by 0945.

S. Anderson  
1991

Journal

14 Aug

Bolivia: Tarija; 3 km WNW of Compsari, 850m, <sup>63°47'W</sup> 21°48'S  
(cont.) Otto does not know how high Frosty used the arbitrary numbers in his BT (Bolivian trines) series which he used at Huanchoca and in his last week at Santa Cruz area. This when he ran out of NK pages. So we will begin another arbitrary series SM 01 etc. as we have reached 24000 the end of the NK pages we have here. Cristina will use AMNH field note sheets and enter two specimens per sheet.

15 Aug

They tell me this morning we have only 5 bags (50 each) of Nunc tubes for trines. Used 2 tubes for each this is enough for only 125 specimens. We have two nights catch here and three at the final local planned near Siboba. I said to stop when 10 specimens of a kind have been done at a place. There are sufficient blue topped vials for the karyo-type preparations. I don't know if there will be Nunc tubes left for their use after we leave. Frosty may have left some in the deposito?

Today's total is 29 specimens.

The inside of the lid of gray box A measures 740 x 487 mm need plywood to rivet in here.

330 x 170 mm are two horizontal dimensions of 20 l white plastic container, 453 mm is ht.

229 x 150 are same for 10 l plastic container 380 is ht., three could be combined in one plywood box to give protection. Two 20 l could be combined. There are other variant sizes also.

S. Anderson

Journal

- 1991 Bolivia: Tarija; 3 km WNW of Casapari, 850 m
- 16 Aug loaded, everything processed, made it across  
122 the stream and steep bank & had some doubt  
about. Told everyone to take 10 minutes for a  
bath in the Quebrada Stau as there could be  
no water, only ticks, in the chaco at Ibibabo.  
With luck we will get to Villa Montes by 1700.  
I don't know the quality of the roads however  
and am merely speculating.  
Odometer 4231.4, altimeter reads  
910 m,   
1300 at Casapari, 4235.5
- 1321 1300 m divicadero 4246
- 1343 RR 4257.6 Pajoso tramo to ZFB
- 1512 4306 Palmar Grande
- 1613 4342.5 La Puente above Villa Montes
- 1727 can't get diesel (some action indicated), we have  
some in our barrel. Get water from a slow hose OK.
- 1750 just picked up ice, the last thing before we  
leave town 4356.5
- We re-phoned from our barrel, we have plenty  
? of diesel, to go to Santa Cruz if needed.  
Kent said barrel more than half full.  
4376.4 YPFB station camped for night
- 17 Aug 0750 ready to go
- 0841 Laguna Tarija on rd. to N 4401 20k
- 0921 4425.6 Campamento Ibibabo, military  
camp. Engineers working on the road to here,  
NE to airstrip 4429.0 then E

S. Arden

Journal

1991 Bolivia: Trip  
17 Aug 4434 Dolichopus salmicolor  
0952 two seen

1033 Estancia Cabeza 1 km off road to S  
4452.8 then to S

Monte Alto 4457.6

Toro 3 km SE

1051 " at 4460.2

4468.5 Estancia Bolívar

1200 Unloaded, getting lab setup in patio area.  
A number of Tolypetes crickets over open area.

Summary The trip to the military post was basically along the Pilcomayo river valley.

425.6

- 356.5

69.1 Villa Montes to Miraflores

Then to 429.0 to airstrip NE = 3.4 km

23.8 km Then E 452.8 Then S to Monte Alto 457.6

Then 3 km SE to Toro 460.2

Then E 8.3 km to Bolívar

60 km SE of Villa Montes is about 21°33'S, 62°57'W

10 km = 40 mm on map =

$$40/110 = x/15 \quad x = 5.45' = 10 \text{ km}$$

to 69.1 at military camp = 6.43 km S & 6.43 km E of  
at airstrip

to airstrip - 2.40 + 2.40

to 452.8 E - 23.8 23.8

to 457.6 = 4.8 km + 4.8

to 460.2 + 1.41 + 1.41

~~10.24 - 34.04 - 32.84 - 10.24 - 34.04~~

S. Anderson

Journal

1991

Bolivia: Tarija; Estancia Bolívar, 400m,

17 Aug

to Bolívar

32.84 km S + 10.24 km E  
10.24 8.3 + 34.04

in km 10.24 32.84 S 42.34 E

in minutes 17.9 58 10.10 23.08

at 60 km SE of Villamontes 21° 33' 62° 57'

revised 21° 51' 38' 62° 47' 34'

They say we are about 120 km from Villamontes.

1753

Otto & Santiago drove back about 4 km to set traps in grassy area where we entered this estancia's land. Others set Sherman traps in the vicinity of the estancia buildings. Luchs et al. are now putting up some box nets.

The locality 5 km W of the estancia is:

Bolivia: Tarija; 5 km W of Estancia Bolívar, 400m, 21° 38' S, 62° 37' W

18 Aug

We have more than 100 specimens already and Otto and Santiago are not back from their lines yet. We don't have enough tubes and perhaps chemicals left to process all for karyotypes or tissues so will begin with 5 of each species. Include *Calomys laucha*, *Akodon* sp., *Chrysomys*, *Thryonomys* (some long nosed thing not *Oryzomys* perhaps), *Monodelphis*, *Molossus temminckii*, *Myotis*, *Molossus molossus*, perhaps others.

The river here is the Cañada Bolívar.

We are going out with a blast it seems. More than 130 specimens today and 2 more days. Running out of various things (Nunc tubes,



S. Anderson

Journal

1991

~~Bolivia: Tarija, Estancia Bolívar~~

18 Aug

1207 lunch, well over 100 people all stop work to eat now. They did. Good food.

1400

Back at work. Santiago is preparing the two M. modelphis (new record for Bolivia). He prepares good specimens.

19 Aug

Only about 30 in the catch this morning. As I had suspected the two localities were mixed, but we got the records straightened out although my catalogue is a bit of a mess now.

Emma brought in a large Holochilus it looks like to me, but a different species than the one in the Beni. The species I don't know but it is the first Bolivian record I suspect.

20 Aug

Otto got another Holochilus. These will repay comparisons with Beni stuff. Luch got one Eptesicus brasiliensis in a net last night. Pulled traps this morning. Will prepare everything today and load as early as possible to get on the road tomorrow morning.

Cristina saw a youngster picking up traps, so Otto & her have driven over to the next estancia about 3 km W of here to inquire.

They picked up parts of Myrmecophaga, Euphractus, and Tolypeutes as other specimens of occurrence here. Also a Catagonus canini perhaps. He key uses only dentary characters and I don't have the jaw.

Finished processing and packed most of stuff except personal gear, tents, etc.

S. Anderson  
1991

Journal

20 Aug Summary list 2 Aug to 20 Aug

	Marsupialia		
	Didelphidae		
	Thylomyis elegans	39	39
	Monodelphis sp?		2
	Micoureus cinereus		2
	Primates - Calidae		1
	Calus apella		1
	Chiroptera		
	Phyllostomidae		
	Stromia litium	3	3
	Artibeus sp	1	1
Vespertilionidae	Myotis albescens	3+2+1	6
	Eptesicus brasiliensis	1	1
	Molossidae		
	Molossops teminchi	6+17	23
	Eumops bonariensis	1	1
	Molossus molossus	3	3
	Xenarthra		
	Mymecophagidae		
leave here	Mymecophaga tadaractyle		2
	Dasyproctidae		
leave here	Euphractus sexcinctus		1
	Chaetophroctus villosus		1
leave here	Tolypeutes matacus		1
	Carnivora		
	Canidae		
leave here	Canis familiaris		1
	Felidae		
leave here	Felis jacobita		1

Summary list (p. 2)

Artiodactyla

Dicotylidae

leave here

*Tayassu tajacu*

1

leave here

*Catagonus wagneri*

1

Cervidae

*Mazama americana*

1

Rodentia

Muridae

*Oligoryzomys* 5+74+13 = 92

*Onychomys leucogaster* 14 14

*Akodon* sp 14+110+1+25 = 150

" *toba* 2 2

" *fumeus* 2 2

*Bolomys languanus* 1+1 2

*Oryzomys parsonsii* 11 11

*Calomys leucurus* 5 5

" *callosus* 18+51 69

" sp 11 11

*Gramomys quiseplanus* 37+43+20 = 100

*Holochilus* sp 2 = 2

*Rattus rattus* 9 9

Ctenomyidae

*Ctenomys pater* 7 7

Caviidae

*Galea musteloides* 3+1 4

Dasyproctidae

*Dasyprocta punctata* 2 = 2

(p. 3) list

Perissodactyla  
Equidae

leaves here

Equus caballus

1

" "

" asinus

2

unknown rodent

2

total 580

at least 12 to be kept here - 12

568

all the birds (not many) are to go to the Bay

S. Anderson

Journal

1991 Bolivia, trip from Estancia Bolívar to Santa Cruz

21 Aug

0830

loaded. 4556.8

@time for roads 320m

S. Anders  
1991

Journal

21 Aug  
0730

tape log from Est. Bolívar

4565 Toro estancia

road follows old breccia to West

0856

4567.9 road to N from Toro to

4568.7 road to NW cutoff

4572.89 Est. Cábrega road NW to there  
jog back to N a bit E of N

4578.3 now to N

road

~~4574.2?~~

4583. N-S breccia at A. Angles to me we  
are on

4595 ranch to left

1003

4596.9 at airstrip  
rd SW now

4599.2 2 brick pillars at border of military reserve.

1023

4600.0 Campamento Abibobio, ready to roll on.  
road graded beyond, NW along river

1027

4607.4 military check point at 4624.8

4627.6 end of built up road bed, road turns due N

4639. Ctenomys burrows seen

road crossed dry wash and climbed a bit,

4642. then burrows not seen.

intersect better graded road

1125

4643.5 turned to right, N, unloaded one  
garbage, road E of N a bit, found purging  
station

4648 jog to NW

Journal

S. Anderson

1991

Bolivia; Trip Villa Montes to Santa Cruz

22 Aug

4878.0 when we camped last night

'Virgen de Urkupiña' nearby

0915

4932.9 Ipiza 66 km to Abzpo

Taber 33 0220

17 July list

29 July list

Servi Centro 33-8987 Av. S. Cruz 839

wash

Saldias grease

Mike Bannet Emisum 845140 or 329619

- ✓ put tarp over cab, keys to Mike
- ✓ get name & phone # of person who will keep truck.
- ✓ tools have been moved

M <sup>prob. no</sup> problem

Ask Marcello about LAB flying the tank to La Paz

M

leave \$75 for nitrogen

M \*

send Nune tubes as soon as possible

- ✓ Ask Lita about slides of karyotypes this evening. (forgot to, mentioned to Emma, got these)

M

Does Marcello want 22 riple ✓

grupos ✓

monitors ?

Stem's ✓

other ? ?

} to make a list

S. Anderson  
1991

Journal

21 Aug	road log, on tape
	4649 jog to NE
	4650 pumping station, turn left to W, straight
1139	breeched.
1146	4656 saw a <u>Manama americana</u> cross the road.
	4659 road turns to N
	4661 " " to W again
	4670 in <u>Villa Montes</u> bought diesel
1500	grilled lunch
	had flat left front tire 4672.2
1520	about ready to move out
1625	passed former camp site just S of <u>Camatindi</u>
	4709.7 now 45 km to Boyuibe
	were at <u>Machueti</u> 4732.7 1703
1002	finished eating dinner in <u>Camit</u> 4845.2
	Bought diesel
1121	4868. stopped to check a side road for camping, not suitable
1144	4877.9 <u>Virgen de Urkupita</u>
	camped after midnight 4878.0
22 Aug	pitched a few tents in the folks yard.
0724	went around now
0750	pulling out
0753	at <u>Grace Apiti</u> 4880.5
0915	at <u>Apita</u> 4932.9
	stopped for coffee and bread



S. Anderson  
1991

Journal

22 Aug

~~Tapienda~~  
~~Caperenda~~ pumping station  
YBBF

1103

4960.7

4998

Alvaro had lunch

1326

Lucho wants me to send him a copy of the new paper on bat records when published. Probably it is out by now.

1326

5016.6 bought diesel 1420

New wide road had being built for aways.

1447

5034.0 at bridge Sand

1540

5058.2 at Est. Mana

road switches to Wide of RR

1707

5104

1751

5127.8 at pavement of Cochabamba highway  
key 216 given to Lila. Lock on NK box  
she is going to keep and use.

Lost our iron gull before we left Est. Bolívar  
Gave them about 15 l of gasoline  
Gave them some foods, perishable.

23 Aug

In Santa Cruz

Went to plaza after working about 1 1/2 hrs.  
in the deposito getting organized.

Made reservation on LAF to fly to La Paz on  
Sunday, 25 Aug.

Made reservation on American to fly to Miami  
on 3 Sept. but am practically listed for 29 Aug.

S. Anderson  
1991

Journal

22 Aug Bolivia: S. Aug;  
to down S. Aug (ca 22-23 Aug)

- see memos from Gardner & Yates 17 July, 29 July
- ✓ take Fijacobita skin to La Paz
- ✓ " bird skins to La Paz
- ✓ notify Sacramento when I arrive in L. Paz (via Lucho)
- " Yates, Justine, Muriel when I arrive in Miami & in Newark

- M ✓ return stuff to Marcelo (mention rip in fat)
- M ✓ lend Marcelo some traps?
- M ✓ make detailed lists for Marcelo <sup>he should</sup> make a final list
- ✓ also for Centurion of parasitoid stuff for Gumm
- ✓ tissue and paratype stuff for Hila to use
- ✓ nitrogen tank & \$75 for nitrogen to be included

✓ all paid

Cristina	3 weeks	\$30
Emma	3+2	\$50
Carmina	3 weeks *	\$30 + 60¢b
Hila	3+2	\$50
Julietta	3 weeks *	\$30 + 60¢b
Kent	"	* \$30 + 60¢b
Lucho	"	* \$30 + 60¢b
Roberto	"	* \$30 + 60¢b
Fernando	"	* \$30 + 60¢b
Fabian	2 weeks in the orchard	} not paid
Romer	" " " "	"
Efrain	3 weeks *	\$30 + 60¢b

those with \* also need transportation S.C. to L.P., this was ca 55 for 3 of the people who came down.

S. Anderson

1991

23 Aug

Journal

Inventory list, Santa Cruz

- ✓ A Gray box SA
- ✓ B lab
- ✓ C skins, drying
- at Museo S. Cruz → D parasitology, left with Emma blue top
- ✓ E kitchen
- ✓ F empty, black top
- ✓ G " "
- ✓ H lab
- ✓ I AMNH gray box, shot, has metal traps
- ✓ J cooler, empty
- high to NY ✓ K skins etc. to take with us
- ✓ L kitchen
- ✓ M " "
- ✓ N skins, pinning box
- ✓ O kitchen, stove
- ✓ P Scott's box
- ✓ Q egypt. mosquitoes, parasitology
- ✓ R " scales, mosquitoes
- ✓ S green, lab
- ✓ T alc, green box
- U
- V
- W
- X
- Y
- Z
- 2 NK boxes
- 1 black telescoping - specimens to be Pkg
- 2 } SA to take to NY
- 3 }

see also more detailed notes

none

S. Anderson  
1991

Journal

Bolivia: Santa Cruz

23 Aug

There are three sleeping bags that Gummer said Joe Cook bought for students. These left with Muses. I had her write names.

I had a green sleeping bag I lent to Romer earlier, I'm not sure where it is now.

Went to Muses about 11:15. Found they had me scheduled to talk about my work at 1600. Marcello had a list of reminders and notes for Centurion to ask me about. I chose not to talk. I told them the students knew about my methods and objectives, so talk to the students.

330220

Andrew Talbot was there and Wendy Townsend. Have not tended to the truck yet.

Left hands and electric centrifuges at Muses on loan.

Said hello to Rosa Lemy Cuellar and Maria Dolores.

Centurion gave me an envelope of papers for Frosty. Lists of specimens - exported. Also a box of about 10 computer discs for Frosty.

1723

Went to Lita's house for drinks and dinner.

442  
Free

S. Anderson  
1991

Journal

Bolivia: Santa Cruz

23 Aug  
(cont.)

hoping for cancellations to move my date up.  
Packed a black box with box of 40 Shannan  
and various skeleton, skull, pick ups, and  
*Mymecophaga* foot. The men will take it  
with them. Luchs and Roberts are going to fly  
Saturday (tomorrow).

Got all boxes in deposits assigned numbers on  
yellow reflective tape

Decided Emma was not going to finish her list  
of parasitology equipment so we took the truck  
which has a large rock for Santiago. I don't  
know what for but we delivered it to him at  
CENETROP. Borrowed a nitrogen tank we needed  
to transfer tubes into the small tank. The  
large tank about half full of nitrogen is to be  
left here. What they don't have is Nunc tubes,  
we need to send some ASAP.

\*

Talked briefly with Rolando Urzapl. Said I  
would let them know if we receive money for  
the Huanchaca project.

\*

Sent letter of thanks to CENETROP for  
Santiago's participation.

\*

Returned their nitrogen tank in pm.  
The small tank is full right up to the stopper.

Lila made list of NK stuff left for Museo  
use. Emma made list of parasitology stuff.  
She typed these letters.

S. Anderson  
1991

Journal

Bolivia; Santa Cruz

24 Aug Sat. 0645-0830 at deposits packing collections.  
taxi to LAB office, changed reservation for 25th to

27th to go to La Paz. Stopped for breakfast,  
taxi to Baneth's office, not open, went to zoo.

0935 taxi to Museo, by 1000.

The cambio on the plaza was not open earlier.

1115 Waited until 1115, no sign of Marcello nor anyone  
else to unlock the Museo. Emma was also waiting,  
to get some photocopies. Met two other students.

Went to zoo

1400 Made inventory notes (see separate sheets)

1425 made notes on copies of notes

Kent and Camina leaving on bus this evening  
Lucho and Roberto " " plane "

1800 Lent Emma a tent with 'Angela's' on bag  
Emma loaned NK-SM and Arapline books  
till Monday to make some more of her own notes

Got box of some methanol & acetic acid

6 Several bottles, spray cans, of insecticide & tick  
stuff

? Missing a small fish net that belongs to Sacramento

S. Bondarenko

Journal

1991

Bolivia: Santa Cruz

24 Aug

Saturday

Truck: wash  
grease  
✓ canvas cover  
amt leave of deposits — see Roxanne  
} to do on Monday

- ✓ Finish packing specimens
- Get copies of notes
- ✓ Change LAB date to ~~Wed~~ Tues. } 27th done
- ✓ Inventory notes on tape
- ✓ Repay Zoo \$500 + \$100 to repair locks etc.  
1000 Marcello at Museo no show see other lists
- Change money
- Call Justin
- ✓ Get list of specimens typed
- ✓ Get bad tape to take home
- ✓ Give Otto \$200 personally
- ✓ Pay Fernando \$6143, trip from La Paz

25 Aug

Sunday

- 0700 go to zoo, lock up quarters do later in day
- ✓ move sleeping bags to deposits
- ✓ 0800 finish packing, load truck
- 0900 Emma to come for her stuff (no show)
- ✓ 1000 take stuff to hotel  
can truck be parked there properly?
- ✓ 1100 call Taber
- 1730 dinner with Taber

S. Anderson  
1991

Journal

notes on notes

24 Aug FGS 021-084 originals Guana ✓

he has copies

Carmina has papers to be copied of hers,  
of Kent's, of Julieta's

Ludov will give me copies in La Paz of his and  
Roberto's

Efraim's notes? Fernando's? I have originals

✓ Emma has hers & hilas and will give me on  
Monday (hers)

✓ Santiago brought a copy of his catalogue, he  
wrote no diary or other notes, except frog-line  
data sheets.

✓ Emma brought copy originals of her notes and catalogue

✓ and original of Cristina's catalogue (no diary).

✓ Marcella kept originals of hilas, she has copies



S. Anderson

1991

24 Aug

Bahia: Santa Cruz (at Zoo)

Lista de material de parasitología  
que queda en el laboratorio del  
Zoológico.

- 78 copas petri medianas
- 10 frascos con  $H_2CO_3O_7$
- 7 pipetas
- 1 jarra grande de plástico.
- 14 copas petri grandes
- 15 copas petri pequeñas
- 9 vasos de precipitación
- 1 vaso para fujol slides
- 8 frascos de plástico
- 1 caja de cultivos pequeños
- 1 mandya grande de fierro enlodado
- 2 equipos para picadura de ratones  
bolsas will pack
- 1 foco de 120 voltios
- 1 paquete de volas de plástico
- 50 pipetas de plástico
- 1 lupa de cabeza
- 2 sharpies
- 1 caja de guantes quirúrgicos

compiled by Emma Luna-Pizero

S. Anderson

Journal

1991

Bolivia: Santa Cruz

25 Aug

INVENTORY NOTES

beginning inside door

blue plastic wash basin, 2 plastic buckets (red & blue)

10 plastic containers

7 8 cases empty beer bottles

43 4x8 " " soda "

4 garapas

55 gal drum for diesel

2 heavy wooden tables

lab tent

3 smaller tents

large green tarp for truck

trays (large orange, 3 or 4 blue)

winch from red jeep

3 large blue bags (Anderson personal has 2 sleeping bags & 2 foam pads; 'pavilion' needs poles; canvas large tent)

box E kitchen, mostly pots & pans

L "

M "

2 hammers, coffee tongs, blue lead string

F spare glass for lantern, <sup>water bottle</sup> crescent wrench, 1 lb nut and metal funnel, arsenic & alca

2 trays for skinning, 2 kill jars - on floor

G Scott's spot light, ca 12 large plastic plastic dishes, 2 lanterns for gas, plastic bags

2 Sony radio-cassette bought this year

hydrating table, 5 5-l plastics for distilled water & alc.

under dining table, bags labelled Davis & Palmer some loose stuff incl. Merck Manual.

S. Anderson

Journal

1991

Bolivia: Santa Cruz

25 Aug

INVENTORY NOTES (p. 2)

2 canvasbags with some PDB on top of table

First aid box

triangle reflector, to go in truck

several bungies (elastic with hooks)

in corner

green bag with bat stuff

saw dust bag

bag of bags (cloth)

" " (plastic)

bag of cotton

bag of netting

bags that had skeletons

box H lab, trays, some light bulbs

T alc box, 6 plastic containers, syringes, trays,  
paraformaldehyde, NaOH pellets, rubber gloves

I trays, in hood shape

D lab,

White cloth bag 'Anderson personal' has boots,  
3 shirts (2 shirt sleeved khaki)

2 plastic bags each with 3 blankets &  
some PDB (not a lot)

B electric lamp small, set of screens (Scott's)  
funnels, box of vinyl gloves, 4 dozen or  
so petri dishes of 3 sizes, some pipettes,  
whirl packs (not a lot), graduated cylinder

A yellow net bag with extra medical stuff, plastic  
bags, little field paper, some labels, glue  
etc. shot gun shells, maps, (2 leadlines  
moved to personal bag)

S. Anderson  
1991

Journal

25 Aug Bolivia; Santa Cruz

INVENTORY NOTES (p. 3)

box A (cont.) id key, packet of skull labels, sticker notes

P queen, Scott's box, radio

C pinning trays

N " "

O kitchen, stores

Q exp., some parasitological (bmnra made separate list), some mosquito bases

R Electronic scales, pit falls, metal funnel

J Generator & extension cords, some shotgun shells

S lab, blue top tubes, several rolls of tape (stripping & masking), box of latex gloves, bucket candle,

14 13 Sherman trap-boxes, not all full (need consult recent trap-line summary sheets to estimate total; one box of 40 sent back to La Paz)

NK box

6 10-l containers + 1

2 20-l " + 3 in corner

shotgun & 22 rifle "

3 lantern pipes

5 shovels

Scott's radio

markers

snap traps (box & plastic bag)

metal traps (box & bag, cloth)

gopher traps (bag)

Nutritional (2 sykes, about 12 each)

S. Anderson  
1991

Journal

25 Aug

Bolivia: Santa Cruz

INVENTORY NOTES (p. 4)

pit falls 30 or so

2 hammers on desk

Anderson kit (includes altimeter & compass)

Glass front shelves

2 bottles black ink

washi tape

labels

plastic bags <sup>stull labels</sup>  
ca 8 pouches + string, some

roll of stainless wire, small diameter

4 S machetes

S. Anderson

Journal

Bolivia: Santa Cruz

25 Aug Went to the Hotel Internacional about 1800.

26 Aug 00

0700 taxi to zoo

packing finished

0800 checked with Egon & Fernando, they leave this afternoon, not this morning

loaded 3 boxes and tank into truck

telescoping block boxes 2 & 3

footlocker K

small nitrogen tank

These will be my 4 items (my clothes will be packed in tops of boxes 2 & 3).

Emme did not arrive by 0945.

Otto came by and I discussed plans of who gets or has gotten what or may get things in future from the deposits. I said it was OK for Marcello to borrow other things, but to make a dated list and have Marcello sign it.

On shelves behind desk is a lantern attached for gas, needs new glass.

several boxes of small shell vials, probably should take back as we have not been using them for ectoparasites.

the water bag shower was never used. It got holes punched in it behind the seat and I threw it away.

Roof rack for red jeep is by the wall outside the kitchen. The winch (perhaps now missing a piece) is in the room.

S. Anderson

Journal

1991

Bolivia: Santa Cruz

26 Aug  
Sunday

Some Sherman traps and parts thereof on the bottom shelf. Some others in boxes, I didn't sort the bad traps out.

NK box has key # 506 Masters for lock on it red warning triangle put in truck cab headlight (red case) found under seat, put in deposit on desk.

box of tape cassettes moved into Deposito  
tape of Aguirre's I will take to a guy for him  
box saw is with other tools behind seat  
box Phos lock 713 masters

on "B" lock 289 " , not snipped shut  
diesel panel needs new gasket

Go to Zoo at 0800 tomorrow morning

Mike may be away in England now.

1015

called Taber. They will come by at 1230.

At the Churruarín place, La Herradura.

Taber's wife is named Dolores and they have a daughter a year or two in age named Alita.

I offered to donate the red jeep to the New York Zoological Society for his use here. That way I would have a tax credit for the donation.

He said he would get a mechanic to look at it tomorrow if possible. It would need about

\$2000 to replace motor with a rebuilt Japanese diesel and the transmission. I have \$2600 in the thing. I thought we had an offer for \$2000 but it didn't hold.

S. Anderson

Journal

1991

Bolivia, Santa Cruz

26 Aug

Summary trip Villamontes to Est. Bolívar

(based on notes of west-bound trip)

=W =N

Est. Bolívar W to Toro - 8 km

8

to N

29 km

29

to NW

to Calaya

4.2

2.97

2.97

to NE

5.5

-3.89

3.89

to N

little

to W to air strip

23.8

23.8

to SW to Libelo

camp

3.4

1.70

-1.70

to NW along river

28.4

20.08

20.08

to N

14.4

-4.4

14.4

to NE

4.5

-3.18

3.18

to NW

1

.71

.71

to NE to YPBF

1

-.71

.71

to W

89

9

to N

2

2

to W to Villa Montes

9

9

67.4849.14this works out to 49.1 km S & 67.5 km E of  
Villamontes

Get the coordinates of Villamontes and refigure the coordinates of Est. Bolívar. Then check against the coordinates & signed bearings (that are in notes and on specimens, namely 21°38' S, 62°34' W). Check on map at Museo on 26 Aug if time allows.



S. Anderson  
1991

Journal

Bolivia: Santa Cruz

26 Aug Truck - [need to do today]

- Monday
- ✓ wash Sewer Centro } Est. Servicios "Rivero"
  - ✓ grease Saldinas } get at 1100
  - done ✓ store get name, address ✓ Papi Zorillo in wife 336436
  - ✓ keys to Mike (Roxanne) Calle Yapicuanz 204 STE Servicios de Transporte W of 3rd Anillo
  - ✓ cover cab

Telchi - about chloroform documents

- ✓ Pay Zoo (\$100 extra) \$600 RB PZI-108-575 to 580 } all in Otto's name to make check change names
- ✓ Pay Otto \$200 personal 581 & 582
- ✓ LAB - excess baggage & tanks perhaps not need will type this morning at Zoo
- ✓ Type lists

Fauna Silvestre export papers (asked not allowed earlier)

- E ✓ Emma to get stuff at deposits
- ✓ Pay Marcello \$75 for nitrogen EHO34.691-870 to 873
- ✓ Give keys to rooms at zoo to Otto
- E ✓ Get NK-DM & trip line notes from Emma
- E ✓ Get any other notes possible Emma, Illa, Cristina

✓ Get laundry at hotel - except jackets

E ✓ Pay Emma father medical expenses

Taber to look at 'jeep' told Otto he may have a buyer if Taber doesn't want it

didn't get to ✓ Check map for Est. Bolívar at Museo

Change money

Get AMNH FAX nos for Otto hotel may have in notebook at

may have in summary sheet & worked up earlier check this

I can't find this, send him ASAP

J. Anderson

Journal

1991

Bolivia; Santa Cruz

25 Aug

Parked the truck in the hotel's parking area.

At 1800 went to ENTEL office and tried to call Justine. After half an hour there was no answer when they did send the call through.

1830

Took taxi to Zoo thinking to lock up the rooms we have been using. I was surprised to see the fellows stuff and the box they use to La Paz still there.

Took taxi back to hotel. Now 1914.

Didn't go out for any dinner, still full from lunch.

26 Aug

Mood:

\* Got up at 0600. Figured distances of Estancia Bolívar again from notes on return trip to Villa Monte, for comparison with notes made on trip out to Est. Bolívar.

0700

Ate breakfast at hotel.

Got truck out of parking 'garage'.

Drove to Zoo. Checked rooms and locked doors.

0800

Gate not locked, lock is locked on gate, some workmen were there. Otto not in office at 0800, he came in a bit later. Paid Otto \$800, \$500 of which to repay money borrowed from zoo, \$100 extra for zoo expenses (repair locks etc.), and \$200 for Otto personally.

Went to the Deposito at 0930 and waited till 1045 for Guina, she was someplace else perhaps waiting for me.

At 1105 went to service station where we had left the truck for washing and lube job at about 0915. They said it would be done in twenty minutes, but it

S. Anderson

Journal

1991

Bolivia & Santa Cruz

26 Aug (cont.) waited until about 1210.

Monday Drove out to west side of the third anillo to look for the place to leave the truck. No luck, asked a number of people, some it later developed within two blocks of the place who had never heard of the street. Most intersections have no street signs. Went back to hotel for lunch at

1300 1300.

\*

Otto wants AMNH FAX no.

Went by Museo at about 1400. None of the students from the expedition were there. Told Edilberto where A was going.

1405 Stopped at Mike's office, no one there.

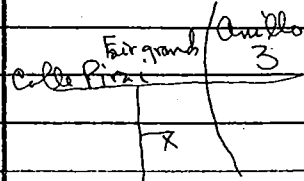
1412 Went to the Zoo. No one in the office.

Went to the deposito. Marcello showed up and A gave him equipment needed for his work at San Ramon. Some is theirs, some on loan. He is to make a list for me.

Marcello called the folks and got directions on how to find the place we are to leave the truck. He then drove out while A followed. We found the place near where A had looked earlier and left the truck as Scott had instructed.

Sr. Papi Taurico Servicios de Transporte

201 Calle Ypizuanza STE 336436



S. Anderson  
1991

Journal

Bolivia: Santa Cruz

26 Aug  
Monday

Marcello drove me to Museo.

He took 7 boxes (full) of Sherman traps  
the 22 rifle

4, 20l water containers, white plastic  
National traps, 3 rifles, 20 a.s.

87.3  
K9  
Gave him copies of lists compiled by Emma and  
Lila of parasitological equipment and karyological  
equipment. Some of the water containers belong to  
the Museo.

Got copy of the new convenio (in Spanish and  
English, with revisions Marcello discussed with  
Scott and Terry. Marcello would like to get this  
signed as soon as possible.

\*  
1610

Took taxi to Mike's office. He is just back from  
a trip to England. I left 2 keys (truck and  
padlock on tool box) with Roxanne.

Took taxi to Zoo. Found Elvio Hinojosa in  
Otto's office talking zoo business.

Got retyped list of our August collections that  
are being exported. Otto signed a "sanitary  
notice"

Emma came to hotel with the notes I needed.  
I also paid her \$100 for medical expenses of her broken  
arm. This was a bit more than the itemized list  
came to, but she probably had some other expenses.

Scott had given Marcello \$50 to give to Emma but he  
forgot to give it to her. We took taxi and went to the  
zoo to get Emma's stuff there.

S. Anderson

Journal

1991 Bolivia: Santa Cruz to La Paz

26 Aug

1923 Made some notes.

Flavio and a friend came by at about 2045 and we went to dinner.

Found Lila's notes on return to hotel. These are the original notes. She has a copy. Emma's and Cristina's notes are also originals and they have copies.

27 Aug

Got up at 0545. Showered, packed, wrote some notes. Took stuff down to lobby about 0640. Julian, the Zoo's chaper, showed up soon with the Zoo truck and drove me to the airport.

Emma met me there with three letters to be mailed in the states. We had a cup of coffee before I left. The plane stopped at Cochabamba on the way to La Paz. Arrived in La Paz about

1000

1000 and was met by Lucho and Roberto. Went to hotel Sucre Palace. Wrote notes. Put skeletons on window sill to dry some more.

Now need to go to American Airlines to learn my current reservation status. I was on wait list for 29 August, reservation for 3 Sept.

done

Also need to get copies of the list Otto had typed. To hotel for lunch (\$4.76 charged on hotel bill).

About 1400 took taxi to Cota Cota and went to the National Collection building. Interrupted a conference briefly to talk with Jaime Sarmiento. He will check on the simplest way to handle getting some sort of export document and call me in the morning.

S. Anderson

Journal

1991

Bolivia; Lz Pay

27 Aug

1220

Loosened lid of nitrogen tank to check and got vapor condensing, so there is at least some nitrogen.

Will check again before leaving.

Isabelle Mercado caught me as I was about to leave and took me into the CDC offices to discuss their projects.

They are working on a data base on animals of the Yungas of Lz Pay. These are defined as the eastern slope from the crest (or at least the tree line) of the Cordillera NE to the last Serranía, just before Rurrenabique. Serranía del Tigre for example.

In addition to coordinates, name of locality, number of specimens, and where housed, they want year of collection, altitude.

\*

Isabelle has a list of the type localities in the area and wants to know if species are endemic to the Lz Pay Yungas. She will send the list.

Can anything be said about a restriction in altitudinal range? or restriction of habitat? pressure of use, hunting, pests, destruction of habitat?

1600

Took taxi uptown. Checked at American Airlines, I'm still on the 29 Aug wait list. Bought a bottle of India ink. Got my shoes shined. Returned to hotel.

Isabelle gave me a sketch map to show where she and Ladie (Misales) trapped at Hacha Toloko.

193

tape

S. Anderson

Journal

1991

Bolivia: Lz Pay

28 Aug

Got up 0630. Breakfast 0700.

Wed.

Tried to call Szwargyski last night but got a busy signal (785115).

0815

" " again

0840

got a woman (his wife perhaps, I don't know). He is in Germany now but she is going to talk with him today and get back to me if there are more pellets to send with me.

At about 0858 went to LAB office, made tentative reservation to fly to Miami on 31 Aug. Then went to American when they opened their doors at 0900. They were able to give me a reservation tomorrow 29 Aug.

boat report at 0630

arrive NWK flight 968 9:45 pm 29 Aug

Called Justine, gave her the details. all OK at home.

Took Inqui to Cota Cota to Museo. Saw Lucho and Roberto. They will bring their notes to the hotel this afternoon or evening. They haven't seen Carmine or Kent. Sarmiento is busy in a reunion at the Museo this morning. Got a copy of "Historia natural de un valle en los Andes" Lz Pay from Isabelle. She said she thought Patricia Erqueta had sent me a copy, but I don't think I ever got it. Isabelle also gave me a copy of "Fauna silvestre de Bolivia" with a map.

1120

Took Inqui back to el Prado.

S. Anderson  
1991

Journal

Bolivia: La Paz

28 Aug

Had lunch at foot of Prado. Went to hotel. The maid phoned the desk about the odor of the skeletons I was drying in my room. They thought the odor might escape to the corridor although I could smell nothing there.

12:45

Anyway I closed up the bags and boxes, opened the windows, and I think there will be no further problems.

14:20

Sarmiento called. Said he would come by the hotel with a document for exportation of our specimens and would need a list. I have copies of the lists. Will wait here for him.

14:44

Teresa <sup>Suzanne</sup> Tarifa called to wish Justin and I well. She continues to have medical problems with her spine and regreted not being able to go with our expedition this year. We hope she will be able to participate next year with our work in La Paz.

14:55

A man came by, sent by Sarmiento, to get a copy of the list. Gave him a copy and noted the total of 568 specimens. Told him when I would leave the hotel in the morning (0600 to get to airport by 0630). Hopefully Sarmiento will get the export document to me in time.

I have not had a return call yet about the owl pellets. Luchs and Roberts came by with copies of their notes. We went over to the hotel Plaza and talked about collecting, etc. They would like to have a print out of data on Pando and Tra Paz localities along the rio Mado de Dios, before the October expedition of 25 or so people to the Manuripi Heath area. Also equipment lists. Also bibliography.

\*

\*

Small catraces guidelines.



S. Anderson  
1991

Journal

Bolivia; La Paz

28 Aug  
1850

Returned to hotel Sucre at about 1850. Found documents prepared by Sarmiento which will serve as my export documents.

29 Aug

Got up at 0545.  
Went to El Alto and checked in OK after a few questions from security folks about my strange luggage and contents.  
Flight to be at 0845, American Airlines # 910 to Miami.

On to Newark hour and half late because problem with hydraulic lines. Was met by 'Al Hess limo' and driven to my home in Closter.

Carlos Anduca for Univ. of Florida (and Argentina) is here. Justin's sister Charlotte and our niece, Gloria Stethrich, also here.

30 Aug

Mailed Emma's letters.  
Fiona Fraser, possible volunteer from Australia dropped in in the afternoon. May return in a week or two.



CUERPO DE PAZ  
Bolivia

Ing. Donald B. Peterson  
Director

contact Kent Smith  
via this casilla

Av. 14 de Septiembre 4913  
Obrajes, La Paz, Bolivia  
Casilla # 1655

Tel: 78-2858  
78-5073  
FAX: 78-5071

S. Anderson

Journal

1991

Bolivia

June to August

Staff in notes that I may need to find to refer to.

26 June wet specimens, have these been put in jars?

27 June Marcelo to draft new convenio  
I should send a more formal summary of previous 3 yrs. convenio

5 June list of La Paz students

25 June Schedule (see also 29 June)

29 June notes on San Ramon specimens

29 June accounting with Marcelo

no wants electronic scale (at \$125?)

2 July Rosmary Woods new casilla no. (see also 17 July)

2 July Borys Malkin address in Poland

2 July Rolando to draft a new CENETROP convenio

3 July " new phone no. home

14 July list of 1991 localities (see also 29 July notes)

16 July record on payments to students

17 July Otto's Catagmus paper noted  
wants key reviewed

list of things to do in La Paz  
" " " " " " S. Cruz

17 July notes on NK nos.

note on possible sale of jeep

29 July list of things to do in S. Cruz, from Scott

30 June list of participants

20 Aug list of specimens, August phase