**Rock**

1998

Meet at UVM loading dock at 6:30AM and left about 7:30 with a wild crew and 3 trucks - on the crew included most of the mammalogy class - Bill. They were Chris A, Lambert, Marcel L. Campbell, Suzie, C. Peurach, Phil A. Ortega, Mike T. Friggens, Lisa A. Valle, Forrest W. Davis, John V. Plang, Greg D. Hartman, Stan Moilenizer, Marianna C. Martin, Monica Kusk, John L. Connell, Mike W. Wallace, Terry L. Yates, & Dr. William Lopez - former and myself.

Headed south on I-25 to Hatch exit.

Hiway 26 to I-10 west (192 miles) to Demming (50 miles) to Border Crossing (Advana). All fairly uneventful except for each guard had a different version - basically, need passport and original car titles - sort of hard to get UVM papers but they decided that an "official" xerox would be acceptable - no searches just stuff left toward Pecos (Hi 25) then Jones (about 25 miles) gets a little beer.
Journal

7 January

Costa Rica: Heredia Prov., 2 km NE of Heredia. 10°04' N, 84°05' W.

Pudgie, Joe Cook, Nella Cook, Luci Cook, and I left Pilarquique on 5 January and flew to New Orleans. We took flight at 3 pm on Flight 750 to Houston then caught at 7 pm Flight 478 to New Orleans. At N.O. we met our friends Bruce & Terry Sisney who had us stay at their house; several problems arose. We arrived at N.O. 2 hrs earlier because we went standby. The "package" flight had us arriving at 10 pm. Our baggage didn't make, but that was good since we had 2 check on bags and we were told there was no storage — we planned to leave them to the thieves at the baggage belt. Since they were "lost" Joe managed to have Continental lock them up until the next day. I went and rented a "caravan" to hold us because Bruce had only a beaten up old stationwagon. (Budget Rental; it's $40). We ate dinner at Camilla Grill down by where the Old Trolley runs by - Carolina st. - full meal (and more) of western omelet, chili, pecan pie, milk coffee, fries. Went to a Margarita & Crossaint "take-out" - went back to Bruce's (2242 Lowerline Rd) to sit on the porch and bullshit. We were tired.
Journal

Jan. 20

got up at 5am next day (6pm) for flight to CR. We arrived at NO airport at 5:41. I returned van, got rental luggage, went to Lpass cheque in. Seats assigned and off to terminal lay 6:30. Plane left on time @ 7:30. Stopped twice. 1st stop Cancun, Mexico took in lots of springs/pipes then to San Pedro, Honduras. We stayed on the ground (I slept) for 1hr. Adriana & others wundered out to look at banana trees. Finally ("Do you know your way to San Pedro?") arrived in SJ ~1230. Whisked through customs and met with Roberto & Anna Gutierrez. Roberto works for me at UCI, Anna is a medical student. We (and atrupa) headed for Robertos house. We were beat and plane weary. Both Robertos mama Lurea and father Rodrigo greeted us. Rodrigo is a cardiologist at the local hospital. They have three other kids; Rodrigo Jr. who is a baker in the house, Roberto, Anna who is a photo/design student at UCR, and Frederico also in college - great family. We had our own suite, - Adri and I a queen sized setup - the bathroom, then 2 beds for both Caroline & Joe, Nella, Lucia - we had our 3pm café then shower then nap.
1989
7 Jan.

I didn't sleep, but rested - the read about CR History. We got up late again this time. Ann and Roberto were a bit toasted from a party earlier in the day and were still weak. We politely went along; they continued to study. I crashed, but all the rest went out again dancing - we slept they returned at 2 am. Up at 8 am today, made plans. After a bit of confusion, decided to change the jet for liquid C2H2. We took a walk at the big park, rented a car from Toyota (3 days for $480). The 6-pack premium rental good for 7-day unlimited miles. Tonight we're at Roberto's coffee ranch in Hills above San José, a 30 min drive - volcanic rocky roads out of Guatigrama. Gorgeous views of city & valley, house near octogen with water, electricity, & beds. Get up two bat nets and drive to 40 shrimps. We went back to town (Joa, Roberto, & I) to keep an appointment with a bat biologist, Salaz. He gave us the landmarks on many people & places in Costa Rica (see ver). We met at a coffee/meat/beer place just off big park (see ver). - took about 2 hrs. Went back up to Roberto's.
Harry Rough - neighbour
Cathryn Langhiman
Fiona Reid - room, illustrator

Mary Victoria McDonald: Smithsonian Conservation\nFront Royal, VA 22630
in interested in
Scatirnyns
motivational state mechanics
hormone implants
calling context

KB: Scatirnyns - Re: Phlo
primitive vs derived

Re-read
Wiley, Richards, 1978
Marten, Rubin, marder, 1974.
Guld (chapter)
Carletons - permpive rodents
See:
R. Laval. 1976. J. Mamm. 57: 402-
L. H. Lemmon, 1981. J. Mamm. 62: 193-
August + Anderson. 1987. J. Mamm. 68: 1-
Smith. C.C. 1978. J. Mamm. 59: 793-
Localities

Costa Rica: Heredia Prov., 2 km, NE Getsemani, elev. 1540 m, (10° 03' N, 84° 05' W)
11 Artieys
1 Stumira
1 Carollia
1 Oryzomys
1 Reithrodontomys
1 Desmodus

Costa Rica: Guanacaste Prov., 2 km NW Brasilitas, Flamingo Beach
1 Artieys
1 Stumira

Costa Rica: Puntarenas Prov., Monteverde, elev. 1350 m.
1 Centurio serex
1 Scotinomys
1 Hutt Artieys
1 Myotis
1 Stumira

Costa Rica: Cartago Prov., Rte. 8, Km post 28, Volcán Irazú Hwy, 2960 m, La Pastora
1 Reithrodontomys
1 Jul

I left Albuquerque at 6:30pm for Los Alamos, specifically Bandelier National Monument to the Juniper Campground (5985 ft) to meet Lisa Vallee and the rest of PIRG (Public Interest Research Group - who she was working for). I arrived about 10pm and went for a walk until their return. On walk saw Robin, ground squirrel (Spermophilus varius) and chipmunk (Eutamias minimus). Saw three bats against night sky (Myotis ?). Met up with the group and nothing more. Oh - bats chirp make audible calls ~ 14 kHz squeak.

2 Jul

New Mexico: Los Alamos & Bandelier National Monument, Juniper Campground.

Walk to dorm building @ 5:30am - slept with them in truck until 7am - went for a 43 min run down towards Visitor Center. Ran into 2 bats out from the caves following a greater wood蝙蝠 population. Saw some squirrels - a turkey, 2 hares and other birds. High and I walked the tour to ceremonial cave form 11am till 1am - saw squirrels about.
Speleomys variegatus, Eutamias minimus, Ceramaphidius nevadensis, other birds. Went to town to shower & eat.

Some around looking for roosting sites. Went to a site near Snake Run's near junction of 400 & 502 & gate was already locked. Proceeded W on 400 thru forest & to Ski Basin road. Went up all the dirt roads but found no water & thought it too busy. Planted in Toyota's front bumper guard (left) trying to push its boulder out of the way. Stupid - healed along 0 on N. border of Cub Land & S. border of St. Forest Land. Tried a few roads with no success. Decided to head W on 400 found road to Addison & Armstrong springs (I think). Put in two bets on off roads to this one FS 65.

Met with 2/10 & fire crew found - they put out a fire further up road. The bets were 0 mi. & 1 mi. up this road to Pendleton Pine Forest. Weather is wonderfully clear 82°F in LA today - about 60°F now.
Net 1 is a short net (8') string on periphery of large (1/2 acre) stenched meadow - no visible water, but net is in forest corridor. Opened net 1 at 9 PM.

Net 2 is about 1 mi back down road from net 1. This is a 60' net string basically between two ponds. Again no open water, but this is a nice corridor. This net opened about 9:15. Checked both nets about 9:45 + 10 PM respectively. Will return in about an hour.

Net locations are: T19N, R5E, S26
36°52'30"N, 106°22'30"W

3 July

Same locality.

A wolf at Penderson C.P. (Bandelier N.M.) at 5 AM to check nets. Yesterday checked nets at 11 PM, called again at 1 AM but nothing but a night hawk (Caprimulgus solae) in the 60' net. Saw no activity either.
25 Sept. 1992
NM: Cibola Co., El Malpais, 19 m.s.
Giant's Wall, elev. 9000 ft.

Ride from a nice drive from
Albuquerque - Steve Davenport
and I drove to rendezvous with
Terry, John, Phil (less Chris & Eric)
and Jeff Zwart, with Rich Anderson
in NM van. We met at the
group camp El Malpais Nat'l Monument

"Merry Christmas & Happy New Year"
Weekend out - R. Anderson
Jennifer Fry & Jennifer Mink's
surprising in a bag in the truck.
J. Anderson & Frank Pern, with Suz, Ravella and Todd Lollis
in Blue Van. We crash, Steve
Phil, Dave Blackley, Frank, & Natalie
took off to a more southern locale
in the Pyrk
camping

We gathered at noon. Set up
3 tents (1080') & 1 (70') ground
Cow Pond.
25 Sept (cont)

I set 80 traps (see below)

![Diagram showing trap placement nearby camp]

bats caught:

2+2 Myotis evotis 7/30

1 Myotis bolanensis?

1 Myotis keeni

3 Lasionycteris noctivagans

1 Plecotus townsendii 12:15 am
Twin Bridges 3 June 1995

BT
B10
A1
TP 214
C21
A7

1. Epesicus fuscus ♀ ♂
   Epesicus fuscus ♀ ♂
2. ♂
3. ♀
4. ♂
5. ♀
6. ♀
7. ♀
8. ♀
9. ♀
10. ♀
11. Myotis yumanensis ♀

pregnant (♀)
1. E. fuscus ♀ pregnant RELEASED
2. E. fuscus ♀ pregnant RELEASED
3. E. fuscus ♀ pregnant RELEASED
4. E. fuscus ♀ pregnant RELEASED
5. E. fuscus ♀ not pregnant RELEASED
6. E. fuscus ♀ pregnant RELEASED
7. E. fuscus ♀ pregnant RELEASED
8. E. fuscus ♀ pregnant RELEASED
9. E. fuscus ♀ pregnant RELEASED
10. E. fuscus ♀ pregnant RELEASED
Location: Whiskey Springs area CSLO

Species                      Number Caught.
1. Myotis Californicus       1
2. Myotis yumanensis         1
3. Antrozous pallidus        1
4. Eptesicus Fuscus          3

Location: CSLO, Julies pond, prison, Redwood Valley.

Species                      Number Caught.
1. Myotis California          1
2. Myotis sp.                 1

Location: Camp Roberts; Sherwood Forest.

Species                      Number Caught.
1. Myotis Californicus        1
2. Myotis sp.
   Myotis sp. Emb.           1
3. Antrozous pallidus         2
   A. pallidus Emb.          2
### Location: Camp Roberts; Pond 5

<table>
<thead>
<tr>
<th>Species</th>
<th>Number Caught</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Myotis yumanensis</td>
<td>1</td>
</tr>
<tr>
<td>2. Lasiurus cinereus</td>
<td>1</td>
</tr>
</tbody>
</table>

### Location: Camp Roberts; Twin bridges; bridge 5

<table>
<thead>
<tr>
<th>Species</th>
<th>Number Caught</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Tadarida brasiliensis</td>
<td>1</td>
</tr>
<tr>
<td>2. Myotis lucifugus</td>
<td>2</td>
</tr>
<tr>
<td>3. Myotis californicus</td>
<td>7</td>
</tr>
<tr>
<td>4. Myotis yumanensis</td>
<td></td>
</tr>
<tr>
<td>5. Myotis cilolabrum</td>
<td>1</td>
</tr>
<tr>
<td>M. cilolabrum Emb.</td>
<td></td>
</tr>
<tr>
<td>6. Eptesicus fuscus</td>
<td>43</td>
</tr>
</tbody>
</table>

### Species Total # Caught

<table>
<thead>
<tr>
<th>Species</th>
<th>Total # Caught</th>
</tr>
</thead>
<tbody>
<tr>
<td>Myotis californicus</td>
<td>5</td>
</tr>
<tr>
<td>Myotis cilolabrum</td>
<td>2</td>
</tr>
<tr>
<td>Myotis lucifugus</td>
<td>2</td>
</tr>
<tr>
<td>Myotis yumanensis</td>
<td>9</td>
</tr>
<tr>
<td>Myotis sp.</td>
<td>3</td>
</tr>
<tr>
<td>Eptesicus fuscus</td>
<td>46</td>
</tr>
<tr>
<td>Lasiurus cinereus</td>
<td>1</td>
</tr>
<tr>
<td>Antrozous pallidus</td>
<td>5</td>
</tr>
<tr>
<td>Tadarida brasiliensis</td>
<td>1</td>
</tr>
</tbody>
</table>
29 May 1995

Headsed for San Luis Obispo, CA. Got up ~ 5:30, picked up Andy Deans at his house (C-107 at apartments at Indian School/University) then Andy Hawk (at his house)
We stopped by the museum to check e-mail and fax and pick up map tape. Wavel Campbell was still there from the night before working to finish her final copy of her Masters thesis to send to UC Davis by today's deadline. I needed to check the fax e-mail for CA Wolver's permit - no sign ofsem. Lester Buell @ C. A. O. G. It was going to send the project "OK, not there. Will get Lisa to check it later. Andy said to get the maps for Wade & Camp Roberts. From there we went to pick up Cameron Scott (1409A Mlk Jr. Dr, NE) All loaded we headed out for California. Stopped at Westside McDo's for coffee & drove to Flagstaff. We were in Dodge White Van #393. We will meet Chris Crippen tonight in Flagstaff. Hotel B probably before midnight. Chris will be in a 4WD Ford Bronco
Captains:
Camp Simms
Maj. Tony Langer
BOS-SV19-397A

Maj. Luce
BOS-238-6833

For us to use on Camp Roberts. Refund
and announces tear over distance.

To my surprise, I was able to start back to Simi. A 100 miles
from Simi. I was able to pass little over 100 miles
to the spray of the water. The water
was cold. I was able to start back to Simi.

Due to the cold, the water was
lost. I was

Due to the cold, I was able to start back to Simi.

Vehicle #323 MNN 08465

186211152.
to Julie's office
N on 101 ➔ CR. exit
 ➔ left over pass
across highway ➔ main gate
➔ go left fork ➔ stop sign
➔ left ➔ Arizona parade field ➔ go to end
Building 3034 Environmental office

exit Monterey
Monterey on CA.
C.S.L.O. ➔ gate ➔ left
➔ stop sign ➔ white building
is HQ (Julie @ 1)

ca. 1 hr. between camps. Good
ponds @ Camp San Luis.
30 May

Good sleep on the floor of Motel 6 room 214. Chris showed up @ 1130. Set up at 7:30 went for 24 min. Win grand paso roble charming. Breakfast at Black Oak "Little Acre" Coffee shop (strawberry waffle), left for Camp Roberts @ 930. Met Julie Elia on @ 0800. Met with several C.P. biologists before seeing Julie, Joanne actually she became valuable with ideas about setting up Camp San L.o. including aerial photos. No sign of the FAX from Esther Burdett (CDR 91) called Lisa & Cheryl to check e-mail for a note. Well try tomorrow. We all drove to S.O. cruised the town looked for some items met Julie at CSL O HQ @ 1pm Met Maj. Vargas and Sjt. Coronado @ CSL O radio names = us = "New Mexico", Julie = "Delta 170", CSL O = Range Control one of our radio names. We all cruised to site and settled on the way to net for 2 nights. 1st night hit Whiskey spring next night Chaco Creek checked under him 2 bridges for bats none. Pick up van, etc. and headed up to set up camp.
We gamma earth

Set 3 sites. Site 1, largest, small pond near the
Camp at the junction of the turnoff to
both Oughi and Whiskey Springs. Site 2
was just up and around the bend. Site
3 was at end of road just above (-100 m)
Whiskey Springs. We caught:

Eptesicus fuscus
Myotis californicus (c.f.)
Antrozous pallidus
Myotis cilullabrum (c.f.)

all at Whiskey Springs

Chris recorded Tadarida brasiliensis, Eptesicus
fuscus, and a few others.

Sgt. Garcia brought us a M. californicus from
a building they were re-roofing and then
Neotoma fuscipes from some training pond.
I was able to prep/fuel tissues the Neotoma
satisfactorily. We peppered everybody and
packed up camp to head to Camp Roberts
we went into SLO to get gas—
"DON'T go to Chevron in California!!"
and some supplies. We met Julie
at her environmental office at Camp
Roberts — 230. Still based in the perm
and M0U. Ester Burnett only has a bit
of time each day because of her knee
surgery. But she also says "do it"!
I met Julie at her office. Some other folks were doing rodent trapping — not too impressive really. Got the do's and don'ts. Took a little tour around. Camped at Sherwood Forest. There was a racket of Epitesicus and Tadarida nearby. As it drizzled we couldn't record the activity. Put out 9 nets (below) and caught 6 animals. Antrozos pulchrus
Epitesicus fuscus
"camp"
20 10
10 10
20 20
2 June

Moved camp to Lake 5 off in furthest postion. They are bringing down at twin bridges where we'd like to go tomorrow. Set up at a nice lake - sort of chewed up at the edges by cattle & sheep. A swarm of oak trees in the middle of past y'it. Chris will pace it up with 6/16 fishing line.