

JAL
1999

5 Jan '89

Leave Albuquerque 15:05 on continental Flight 150 to Houston then standby into New Orleans at 19:20. Short expedition to Costa Rica to get Bill Gannon started on his dissertation research and meet some folks doing research there. Bill, his wife Andrie, my wife Nella, daughter Lucia (5 mo.) and sister Caroline are headed down now and we'll meet Roberto Gutierrez in San José. He works at MSB and is visiting his family in San José.

Our luggage didn't make our flight so we filled out search forms and rented a minivan (#37) to drive into New Orleans to spend the night. We fly out tomorrow at 7:05. Gannon's friend Bruce Siggson met us at the airport and we followed him to his place on 2322 Powerline just off Carrollton dr. Ate dinner at Camille's Grill.

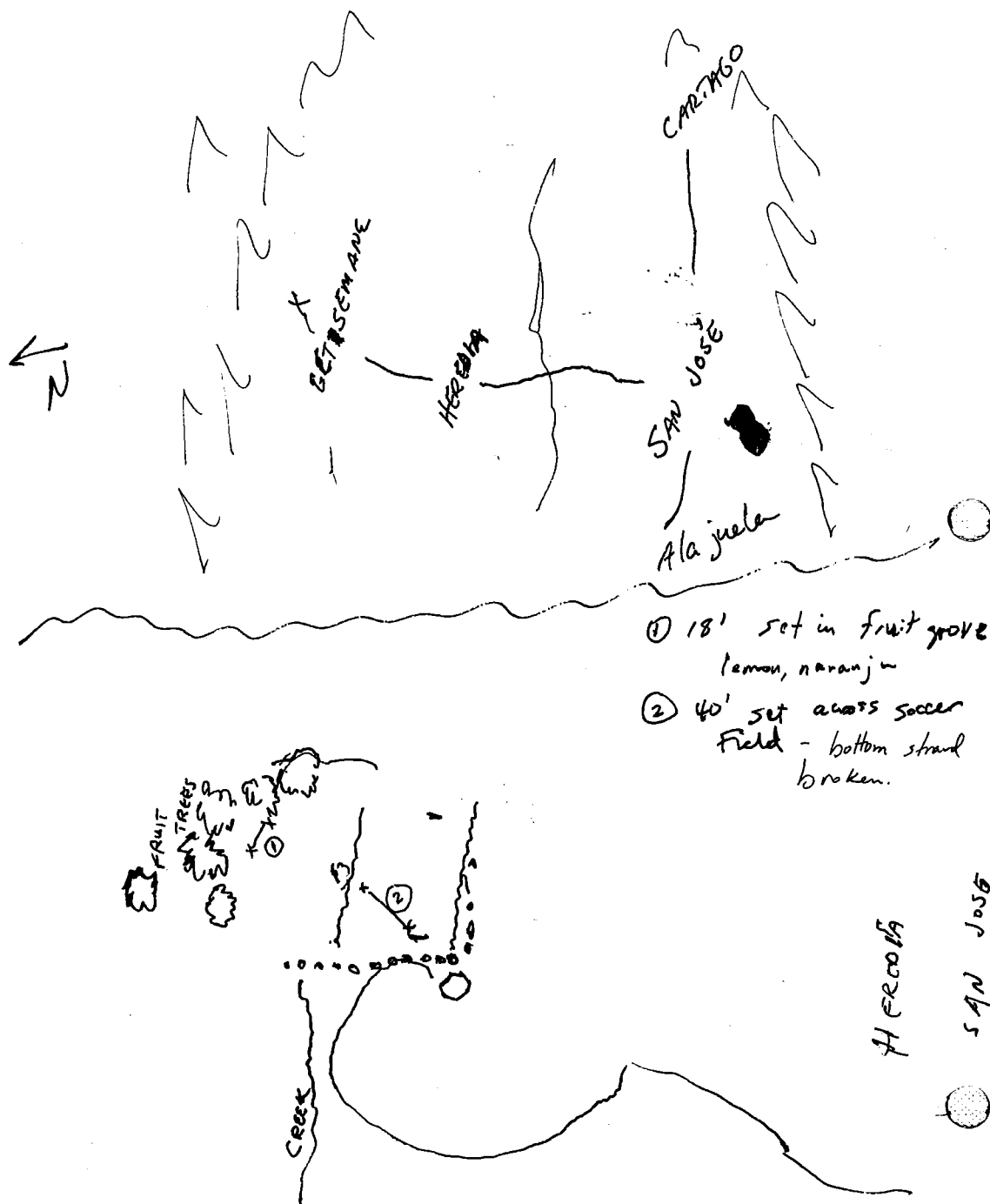
6 Jan

Up at 5:00. To airport, claim luggage and leave on LACSA at 7:30. Stop in Cancun, Mexico and 1½ hours in San Pedro Honduras. Arrive San José and clear customs (not a single package opened) at 14:30. Roberto and his U.S. wife Anna are there to meet us and were taken to Roberto's father's house (Rodrigo Gutierrez) a

10° 05' N
84° 05' W

COSTA RICA: HEREDIA
2 Km NE GETSEMANÉ

BAT NETTING 7-8 January 1989



① 18' set in fruit grove
lemon, naranjo

② 40' set across soccer
Field - bottom strand
broken.

HEREDIA

SAN JOSÉ

7 Jan 1989

BAT CAPTURES

Net #

18:30 h. ♂ Artibeus #① ~1 m high in net

♀ Uroderma #① "

♀ sm. Artibeus #① "

19:30 h. ♀ ~~Sturnira~~ #① ~1.5 m off ground

20:00 ♂ spotted a Didelphis in fruit grove

20:30 ♂

21:00 ♂

21:30 ♂

22:15 ♂

01:00 ♂ ♀ Carollia #② 15 cm above ground

5:00 ♂

6:00 ♂ banded nets.

Net dragged through much of the night (lightly) and was fairly windy.

We seemed to be on the edge of the cloud bank, ~~and~~ just up in the foothills from Heredia. The wind blew (~25 km/h) most of the night. Temperature ~50°F.

Lucia was bitten on face, neck and head by something, but didn't note any mosquitoes.

Found and photographed a Sceloporus sp. in the ~~land~~ cabina - an octagon shaped building. Beautiful view of the central plateau (valley) from the large south facing windows.

Carlos is the name of the custodian.

8 Jan
1989

Lic. Hno. Eduardo I. Fernández Bárcena FSC

Museo de Ciencias Naturales

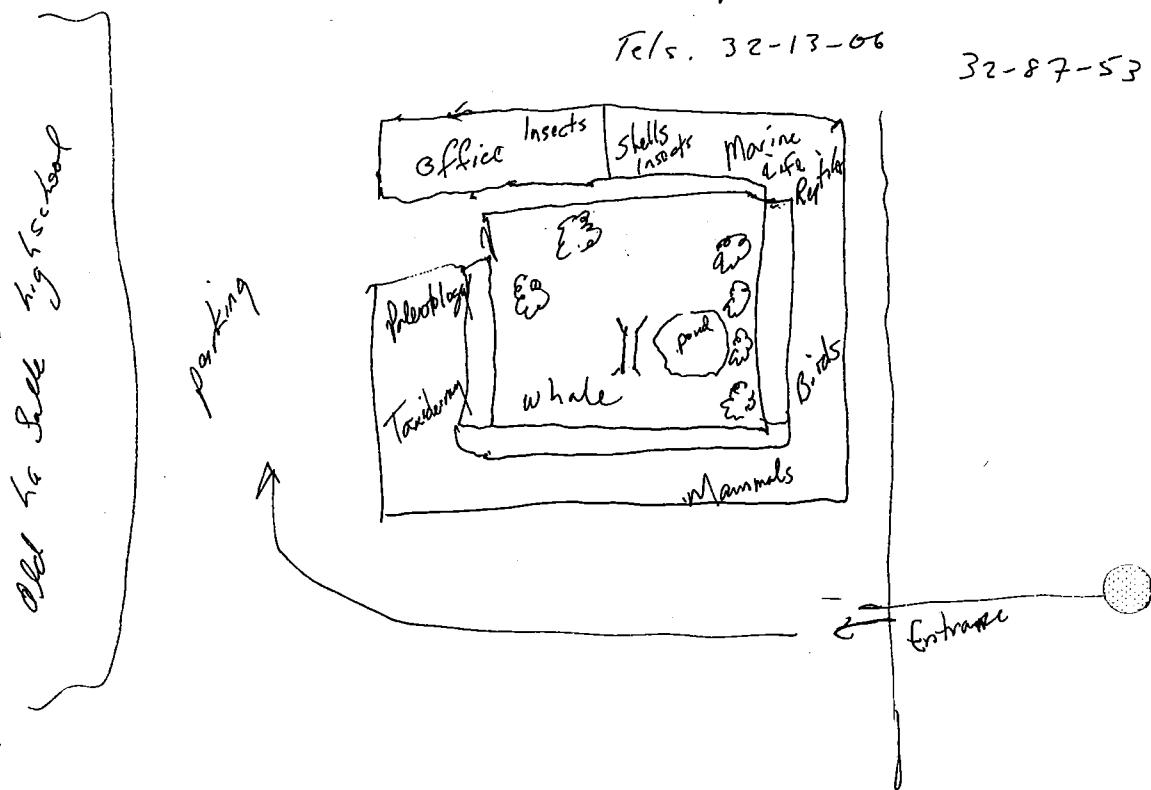
La Salle, Suroeste la Sabana

San José, Costa Rica

Apertado 536 C. Colón

Tels. 32-13-06

32-87-53



JAC
1989

Sunday 8 Jan

5:00 check nets - @, lunched at 06:00.

6:00 Bill and Roberto check the Shermana and
catch 2 large *Oryzomys*

and small *Mus* like rodent. Bill
released *Mus*? before I got a chance
to see it.

Down into San Jose to visit the
La Salle museum - the national natural
history museum. Met Director Eduardo I. Fernandez Barona
and Mario A. Serna a Columbian who has been
at the museum for the last year.

The museum is primarily exhibits and
is a nice introduction to diversity. Very
nice, identified mollusc collection with more
than 3500 species, bird exhibit and mammal
exhibits were all prepared by Fernández.
He is a former high school math teacher of
Roberto's.

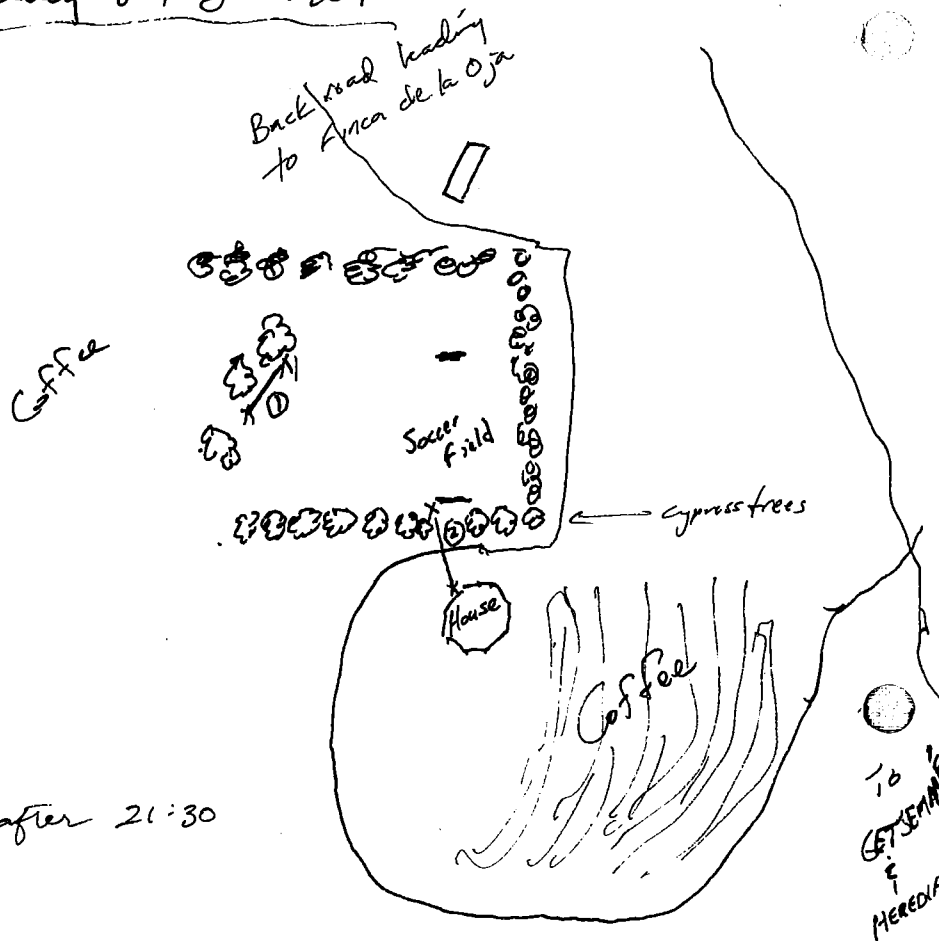
They had 3 *talpazas* on display (*Reposomys*)
and ~12 *Sciurus variegatoides* with several
different color morphs. There was 1 dark
squirrel that was not labelled, but that
came from Costa Rica and then several
squirrels from other places in the world.

Left the museum at 10 and drove the
few blocks to Roberto's parents home where we
had a large breakfast, showers, etc.

Toured around town with Roberto's
sister Anna Lourdes, to the Gold Museum,

2 Km NE GETSEMANE

Bat netting 8-9 Jan 1989



drizzle after 21:30

① 19:18 ♀ Desmodus net #1

20:00 ♂

8 Jan

21:00 ♂

21:30 ♂

22:30 ♂

23:45 ♂

9 Jan

06:00

Glossophaga

net #2

Sturnira

#1

Spermophilus variegator as they did not have a distinct lateral line (although we noticed considerable color variation in the supposed S. variegator at Basalle Natural History Museum (see bad lateral line)).

Perhaps they are S. granatensis. They were very dark with rusty venter. Still don't have any bullets to try and collect these.

Roberto left at 11:00 to take Anna (his wife) to the airport for a flight to U.S. and we left the Finca de la Oja at 12:15. The area has numerous homes as we noted as we descended into Heredia. Each place seems to have ~ 5 acres until you get close to the city and the European (especially Bavarian) influence is apparent in the home construction. Several 4 frames. Lots of Americans own homes in this area, too.

Heredia has a large beautiful white church that is visible from many places. Over to the other side of the valle to San José and a large lunch with Roberto's family. Left San José at 16:30 headed for their farm on Volcán Irazú. Roberto's grandfather had a large isolate and dairy farm that he left to his two sons. Attempted to buy bullets in Ostago, but succeeded only in finding more pins for pinning up the specimens.

Arrived at the farm (2960 m, Km 30 on the highway) after dark ~ 18:30. It was very cold

9 Jan 1987
(cont.)

and windy up on this mountain. Roberto's cousin Jorge runs the dairy farm and let us stay in his house over the dairy barn. It really looks like the Alps here. We set out the 40 shermans through a grassy hillside. A few trees border the edges of these pastures. Jorge said he'd seen lots of little mice running between grass clumps. These pastures had n't been grazed for awhile. Also, he said he'd seen long-nosed mice down by the water (Crocidura?). He also showed us the large mounds of Pappogonyx.

It really ~~was~~ cold tonight and the fireplace provided very little heat, so the spirits of some of the crew were dampened. It was even colder at 6:00 the next morning when we rolled out. Jorge said he seldom saw bats up here.

10 Jan 87

Cought 1 Reithroas like critter this morning. Set 6 sets for Pappogonyx (talitza) across the highway and Bill reset the 40 shermans through a pasture. Drove up to the Volcan Negro ~~at~~ crater (~ 4 km from farm) where it was very windy, cold, and cloudy. Returned to Rodrigo's farm, ate lunch with the cuidante's () family and pulled all our traps. No activity in any of the sets. The locals noted that day had difficult time

JHC
1981

10 Jan
(cont)

Jorge said a
trapper from Cartago
caught more than
50 in one day and
8 from one burrow
system.

trapping these critters and that they ~~may~~ caused
considerable damage to the potato crops as
well as erosion problems.

Left the farm at 12:40 and headed down
the hill. Gas in Cartago and arrived in
San José at 14:40. Bill and Roberto
tried to pay for the permit, but went to
the wrong bank (a special account is in
place) and the right bank () was
closed by the time they arrived (15:00 h).

Left town at 16:10 without permit
and headed towards Jaco on the Pacific
coast, south of Puntarenas (~60 km). Passed
Reserva Carranda just before (~10 km) we
reached Jaco at 18:15 h.

CALVIN

- 1 TESTIS IN 2 PIPETTES HYPOTONIC
- CUT THOROUGHLY w/ SCISSORS ($< 2 \text{ min}$)
- MORTAR / PESTLE GRIND
- PIPETTE INTO CENTRIFUGE TUBE
- LEAVING CHUNKS BEHIND
- ASPIRATE BREAKING CELLS ^{CLUMPS} INTO SUSPENSION
- INCUBATE 30 MINUTES
- IF TOO CONTRASTED LESS URBAN / ^{INCUBATOR} TIME
- SPIN / FIX AS PER KARYOTYPES

lived in married
Concepcion.

Monika Morales - Museo y Instituto Herbario

Susan Davis - Bolivian birds, esp. migratory

Tim Killen - Univ de Iowa

pastos y graníneos

Otto Carlos - CI

1518230 Santa Cruz

34016 OTTO'S HOUSE

- Freddy Alvarado - Geología

- Viviana Baptista - Ornitología

Mario Boudouin - Herpetofauna

Eduardo Forno - Lepidoptera