

1996

# Mammalogy Class 1996 Field Notes

Gabor Racz

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6. Sept 96

Start from Castetter Hall UNM 13<sup>30</sup>

start mileage 0000. → South on Road 25

- Prairie dog at miles 17.9
- 28 miles a lava flow on the right side of the road → This is a Neotheromast place of a population of *Tadarida macrotus*
- 50.7 Bridge over Rio Puerco.
- 54.7 Exit 169 → To Sevilleta Station
- Arrive at Station at 19.25.

Start from Sevilleta 14<sup>45</sup> 56.2 miles.

- 75.4 miles → change on Road 60 gasfilling.

- 77.2 miles → Road 60 west.

- 92.2 miles → Turn to Water Canon Camp

- 94.3 miles → Cibola National Forest Border

- 97.0 miles 2100 m elevation 16.00. → To

Laguna on Road 239

- 104.3 Arrival 16<sup>50</sup>.

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18<sup>00</sup> With Jennifer Frey and Jorge Salazar → Setting trapping line.

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22<sup>00</sup> With Scott → Checking gophers trap  
→ 2 animals.  
*Thomomys bottae*

Evening preparing caught animals.  
Antherous pallidus - 2 Pale bat  
Eptesicus Big brown bat

7. Sep Aug

6<sup>30</sup> Getting up ->

Weather: it started raining the day before at about  
24<sup>00</sup> and kept going on until 7<sup>30</sup> in the  
morning. The sky was cloudy, the temperature is  
about 18°C

8<sup>00</sup> Started out to the mountain top <sup>laboratory</sup> with  
Jennifer M. and Mary to check the ~~net~~ trap nets.  
Collecting of FC Net from 68-96.

The sky cleared at 9.00

11<sup>20</sup> Collecting trapline which was set the day  
before  
Some carnivore pellet was collected ->

13<sup>00</sup> - Preparing skins. -> See catalog

in 1 m vicinity } MGD 1. : *Peromyscus* under <sup>a</sup> ~~the~~ log, near to a bushy area on a steep slope ( $40^\circ$ ) looking north facing. The bushes are (*Rubus*) the ground is covered with pebbles (4-8 cm<sup>3</sup>), moss, *Oxalis*, ferns, the soil is thin. ~~It~~

MGD 2. : *Neotoma mexicana*. At the same place on ~~the~~ <sup>lying</sup> log. It's over approx. 1m above ground. The same vegetation. It's a little bit less covered. (Animal was dead in the trap)  
(The two trap was replaced with empty one)

MGD 3: *Peromyscus maniculatus* (The 6<sup>th</sup> trap)  
Beside a smaller log ( $\varnothing$  15cm) Steep slope covered by moss, *Oxalis*, ferns. Clear ~~under~~ ground no bushes. (trap replaced)

in 2 m vicinity } MGD 4 *Peromyscus maniculatus* (juv?) beside a log ( $\varnothing$  40cm) near to a standing tree  $\rightarrow$  covered near clear undercover  $\rightarrow$  1 *Rubus* in 1 m.

MGD 5 *Peromyscus maniculatus* beside a standing tree trunk, Clear undercover some scattered *Rubus*. steep slope. Ground covered with branch and twigs + pebbles.

M6D6. *Neotoma mexicana*. The trap is about 200 m from the start. The forest started to become sparse. It is a clear patch with lumber pine approx. 3 m tall. The trap was under a pine in a path of a smaller animal (40-50 cm). Floor is covered with pebbles no soil.

M6D7. *Neotoma mexicana*. 4 m away from the previous. beside a bushy patch of... There are some Iris, grass, but no real soil. ~~The~~<sup>It</sup> was from the edge of the forest about 10 m. There is no tree cover.

M6D8. *Peromyscus maniculatus*. Almost at the end of the line in the forest but near to the edge of it. Near dry branches. Rubus. Soil is covered with branches, fir, pine needles. It lay under a clear place but near to it the forest close.

M6D9. *Microtus*.

We reached the alpine meadow. The trap was set under a 3 m tall lumber-pine near the vole's hole on its track. The ground is covered with patches of grass and pebbles.

MGD 10 *Peromyscus maniculatus*. In the alpine meadow. In the clear area. Ground covered with patches of grass and pebbles. Very steep  $\approx 45^\circ$ . The trap was set close to a hall. The edge of the forest was about 30 m <sup>away</sup> down ~~way~~.

8 Sept 1996

MG 1: *Peromyscus*  
Close to the start of the netline (20m) beside a lying log (40cm) in the forest, but in a cleared patch near dried trees. Soil is present, ground covered with few branches.

MG 2 *Peromyscus* (died)  
In a ~~thick~~ dense part of the forest. The pine trees are relatively young ( $\varnothing$  30-40cm) and stand close together.  $\rightarrow$  The place is well covered. The slope is relatively steep but there is a good soil. Plants are ferns and oxalis. The trap was on the trunk (ell?)

MG 3 *Peromyscus*.  
In a closed patch (trees are  $\varnothing$  30cm) but stand close together. The soil is narrower at some places the pebbles dominate. The ground is covered by a heap of twigs.

All of them was released

8. Sept 1996 Gabor R. Racz  
Journal

Wake up at 7<sup>00</sup>

Weather: Clear night with slight  
wind. At the morning the sky  
was clear

- 7<sup>40</sup> Start to collect trapline, that  
was set by us on 6<sup>th</sup> of Sept.

4 Part of the group checked and collected  
the trapnet at Timber-Peak.  
We finished at 9<sup>00</sup>

- 8<sup>30</sup> Start out to collect the fourth  
central trap net (12 x 12 trap)

20 Sept 96. | Gábor R. Pácsi  
ROAD LOG

13.20, START from UNM, Custer Hall  
- 87677 miles.  
Road 25 North to Santa Fe.

- 87695 m Road 44 to West

- 13<sup>30</sup> Stop at a gas-filling station

- 13<sup>55</sup> Start again (Road 44 West)

- 87718 Turn to Road 4 North

Crossing James valley

- 87736 James Springs.

- 87744 Crossing. We continue on <sup>Highway</sup> Road 4  
North to Santa Fe.

- 87756 Road 280 turn on the  
right.

- 87757 In a meadow → Arrive  
to camp. 16<sup>10</sup>

16<sup>30</sup> → Start out to set Sherman  
traps. Back to ~~road~~ <sup>Highway</sup> 4 to South  
about 1-1.5 miles. Traps were set near a  
stream. We finished at 18 → Bath  
to camp.

Setting the camp

21<sup>00</sup> → Checking pocket gopher traps.  
and Beaumont's harp traps and one of the  
pitfall trap nets.  
→ 2 Thomomys, 2 Sorex, 4 Myotis.



- 2 *Thomomys talpoides*

- At ~ 20<sup>00</sup> Terry Yates shot a *Lasiorycterus noctivagus*  
(Silver haired bat) → The patagium is haired

- In the harp trap 4 *Myotis*

*M. volans*

*M. evotis*

21 Sept 96

8<sup>15</sup> checking collecting traplines. ~~Microtus~~

GR1. On a stone bank just beside the stream in a clear place, ground is covered with pebbles *Microtus montanus*

GR2 2 m away from stream in a closed bushy place. Ground is covered by leaves.  
*Peromyscus maniculatus*

GR3 10 cm from running water on a pebble mound in a bend of the stream. One side of the stream covered with 2m high reeds the other is a steep (30°) slope covered by grass.  
*Peromyscus maniculatus*

4 traps were ~~triggered~~ <sup>shot</sup> but they were empty.

10<sup>00</sup> Starting preparing collected animals.

22 Sept 19967<sup>00</sup> Wake up8<sup>15</sup> starting to check and collect traplines  
setted on 20 Sept.

- GRR 4 : *Peromyscus maniculatus* : near  
place of GRR 3 just beside the stream  
on a ~~stone~~ clear beach. Ground covered by  
pebbles. Both side of the stream covered  
by bushes, it is hard to move in that  
jungle

- GRR 5 *Loxex monticulus* : Under the  
trunk of a tree, 1/2 m from stream. Ground  
covered with tall grass and horse tail (?)

- GRR 6 *Sorex palustris* : at the  
very edge of the stream on a stone  
bank. Ground covered by pebbles and litter.  
One side of the stream is bushy, the other  
is covered by grass

GRR 7 *Tamiasciurus* : 1/2 m  
from the stream under a trunk of a tree  
the ground covered by bushes 50 cm -  
1 m.

GRR 8. *Microtus longicaudis* : 1 m from  
stream in a grass covered area

①

GRR 3 *Sorex mordax*. : 1,5-

from the stream in a bushy area.  
Probably it was caught the day before  
but I didn't realize because the door  
was open and the day before it was shoot

②

③

27 SEPT 1996

Mammal Class Fieldtrip to San  
Mateo Mts

- 13<sup>40</sup> Start from UNM, Dept. of Biology  
1.1mi Turning on Interstate 25 to South.  
75.5mi 14<sup>23</sup> Stopping for gasfilling  
15<sup>25</sup> Back on the Highway 25  
119.2mi Crossing Nogah Canyon on the highway.  
125.6mi Turn right on Road 100 (To Red Rock)  
126.0mi Turn to North  
130.8mi Forrest Access 225 (Westward)  
132.8mi Irongate (cattle guard)  
134.3mi Another cattle guard  
134.8mi Chante canyon (Dry wash)  
135.9mi Go straight on left  
137.4mi Turn left (225 sign)  
138.3mi We drop 6 people to set traps  
at this lower part of the mountains.  
138.8mi Cattle guard  
143.2mi Campsite: Arriving approximately at  
17<sup>00</sup>. 400 m away from a small pond,  
in the valley. Loc:  
The place is dominated by ponderosa pine
- 17<sup>30</sup> Setting up a trap-line: starting from 33° 53.426 N  
107° 23.258 W (2190 m) 500 m <sup>SW</sup> from the camp.  
The line is starting in a small valley and ended on a  
saddle. On the bottom there are ponderosa pine. Later on  
the two side of the valley appear aligator juniper,  
opuntia and some kind of agave 40 traps

28 SEPT 1996

7<sup>00</sup>

Wake up

8<sup>00</sup>

Checking trap line that was set on 27/09/96

GRR 10 : *Peromyscus* : under a laying tree trunk. Ground is covered by pebbles and with patchy grass. It is in a open area on a slope ( $\sim 30^\circ$ , facing E)

9<sup>00</sup>

Back in camp

10<sup>00</sup>

Preparing caught animals

15<sup>30</sup>

Short lecture about telemetry by ...

... After theoretical bases we can practice it. We have to find a hidden transmitter.

18<sup>00</sup>

Checking trapline again.

No catch.

19<sup>00</sup>

Setting up nets for bats at the pond. Andy Hawk set up 2 nets across the pond in V-shape. The pond is an artificial one it is used by cattle to drink. Although there were several ~~at~~<sup>bat</sup>, they avoid the net. There was a poor capture.

21<sup>00</sup>

Preparing animals.

29 SEPT 1996

- 7<sup>20</sup> Wake up
- 8<sup>30</sup> Checking trap-line that was set on  
27/09/96  
: ♂ Catch.
- 10<sup>00</sup> We started to pack the camp
- 12<sup>10</sup> Departure. The way back is the same  
as we came on 27/09/96
- 13<sup>15</sup> (18.0 mi) Picking up a roadkill mule-deer  
(*Odocoileus hemionus*) 300m S from the  
Socorro county line on Interstate 25.  
Terry L Yates cut off the head, just the  
head was taken (See photo!)
- 13<sup>50</sup> (45.7 mi) Picking up a roadkill coyote  
(*Canis latrans*)
- ~ 16<sup>00</sup> Arrival to UNM, Dept of Biology.

10. OCT 1996

Gabor R. Rde

Journal

- 18<sup>55</sup> Starting from UNM 0.0 miles.
- Clear sky.
- 0.9 m. Turning on Interstate 25.  
to South.
- 11.3 m. Crossing Rio Grande on 25.
- 73.7 m. Socorro Stop at the gas-fill station
- 18<sup>50</sup>
- 20<sup>10</sup> start: Back to Road 25
- Truth or Consequences
- Williamsburg
- at 156.3. Stop at a Rest area 21<sup>30</sup>
- 181.9 Road 26 → West  
Match. Stopping at a Gasfill station 22<sup>00</sup>
- 183.1 26 South. To Deming.
- 228.8 m Road 180<sup>00</sup> South
- 229.4 m Mimbres River
- 230.4 m. Interstate 10 West
- 260.7. Continental Divide (crossing  
on interstate 10
- 286.9. Stopping at a Gasfill station  
23<sup>50</sup>

11 OCT 1996

- 29<sup>05</sup> Back on Interstate 10
- 312.0 m Crossing Arizona border
- 394.4 m Stopping at a gasfill station  
1<sup>42</sup>
- Back again on Interstate 10 2<sup>20</sup>
- 
- 442.9 Exiting → Interstate 19 South
- 449.5 Santa Cruz River

Journal

Gabor E. Rice

- 502.6 m. Exit. Stopping at a gasfill station  
4<sup>25</sup>
- 510.6. Tucson, Mexican Border  
Crossing at 4<sup>45</sup>
- 5<sup>00</sup> start from border.
- 513.7 Mexiaa R15 (South)
- 522.8 Check Station. 5<sup>30</sup>  
- leaving at 6<sup>43</sup>
- 551.2 Stopping for breakfast 7<sup>35</sup>
- 8<sup>45</sup> On the road again
- 560 m. On left in the direction of  
Hermosillo
- 564.6. Checkpoint on the Highway.
- 577.5 Santa Anna
- 670.0 other checkpoint on the Highway
- 681.6 Stopping at Hermosillo 11  
Stopping some food, etc.
- 12<sup>20</sup> Start again. Turn right  
to road 16. To Bahía Kino
- 707.4. <sup>straight</sup> Continuing on way to Bahía Kino
- 714.6 m. Road 100 Straight to —||—
- 719.1 Crossing Miguel Alemán. and  
Stopping at a gasfill station 13<sup>10</sup>
- 13<sup>30</sup> Hitting the road again
- 746.5 m. After reaching Bahía Kino  
turn ~~left~~ right on a dirt road  
N-W direction 14<sup>18</sup>
- Playa Cochala 751.7 (direction)
- 752.9. Turn to North parallel  
beach.



Journal

Gábor R. Rácz

- 753.0 m Turn right to north.
- 756.0 Turn left direction of beach.
- 760.6 dos Palmeras San Michael.
- 767.4 Punta CHUECA
- Start again  $4^{56}$  to North parallel the island.
- 772.0 Turn left to the direction of beach.
- 773.0 Camp site.
- $\approx 17^{30}$  Setting up the camp

12 OKT 1996

7<sup>30</sup>

Wake up + Breakfast

9<sup>30</sup>

Starting to Isla Tiburón. 6 people:  
L.A. Quedas; P. Polachla, J. Dunnun, G. Ríos  
and A. Hawk and T. Hedrich

We get ashore at the Military Post (Punta  
Tormenta Navy Station)

10<sup>00</sup>

We continue our way by a pick-up truck  
in SW direction. The vegetation is a desert  
scrub. There are lot of cacti (cardon, organ  
pipe cactus, teddy bear cholla → see photos.)  
In our way we stop at  $28^{\circ}58.220'N$   $112^{\circ}13.096'W$   
to set a leg-holding trap (P. Polachla)

12<sup>30</sup>

We reached our camp site  $28^{\circ}56.345'N$   $112^{\circ}16.386'W$   
(elev  $\approx$  150m). We stopped in the beginning of a small  
valley. Noof as there is a deep watershed, that was  
dry at that time. Westward we can see a small  
spring that is revealed by vivid green vegetation (800m)  
N-W we can see a small cave ( $\approx$  800m)

14<sup>30</sup>

We reached the cave Loc  $28^{\circ}56.642'N$   $112^{\circ}16.897'W$   
(elev  $\approx$  280m). The caves (there were two holes,  
a bigger and a smaller one) are not too big. The  
bigger one is about 20 m deep its mouth  $\approx$   
8 m high. The smaller hole is man sized and  
about 5 m deep. We set up a mistnet. As  
we disturbed the bats we caught 4 Macrotus  
californicus. Polachla left some longworth trap  
around the caves, and we left the nets set.

- 16<sup>00</sup> We descended to the spring 28°56.794'N 112°17.059'W (210m). The spring is a small relatively dirty pond ( $\approx 6\text{m}^2$ , 30cm deep) surrounded by weeds and of some kind of fig trees. We set up a net over the pond, while others (Polechla, Dunnun) set some traps. Polechla found several skeletons and carcasses of ~~mountain~~ <sup>desert</sup> sheep.
- 17<sup>30</sup> We went back to the camp. We set up traps around the camp. I set up 40 Sherman trap in the watershed starting from the camp going eastward (approx 300-400m)
- 18<sup>30</sup> We (Ruedas, Dunnun and me) went back to the spring checking the net. Hawk and Leckie went up to the cave to do the same. Polechla remained around the camp setting up more traps. We didn't catch a single bat. But we saw a coyote, that was coming to the springs and we saw several nintails on the fig trees around the spring.
- 21<sup>30</sup> Back at the camp. Preparing to go to "bed". The night is very warm and humid, no wind. We lay almost naked and it is still hard to bear the heat.

13 JKT 1996

7<sup>20</sup> Working up7<sup>25</sup> Starting to collect my trapline.

(11) *Chaetodipus* : Just right on the bank of the dry riverbed near a small hole in the sandy part. It is surrounded by bushes.

(12) *Chaetodipus* : Almost identical to the previous place but 5 m apart

(13) *Chaetodipus* : In the riverbed under the canopy of a bush that stood on the bank.

(14) *Neotoma* : On the steep bank of the riverbed, near a hole under a stone. The area is covered by bushes in 50%

8<sup>22</sup> We went back to the spring to collect traplines. Longworth traps for Ringtail were turned upside down, the animals found a way to get the bait. Polechla went to the caves to collect his traps → He caught a Ringtail there (see photo).

10<sup>40</sup> Back at camp, packing. Polechla's trap caught a Gray fox also (see photo)

11<sup>00</sup> Starting back to the military post

11<sup>30</sup> The leg-holding trap caught a coyote  
Loc.: 28° 58.220'N 112° 13.096'W. (About habitat see photo)

12<sup>20</sup> Back at Punta Tormenta Navy Station. We have to wait for the boat. The commander have some problem with our permission, but Ruedas can persuade him.

13<sup>30</sup> The boat is back for us.

14<sup>00</sup> Back at camp

16<sup>00</sup> Preparing animals.

14 OCT 1996

- 7<sup>00</sup> Waking up, Breakfast
- 8<sup>30</sup> Preparing animals.
- 18<sup>00</sup> We head out to Sancho El Sacrificio.  
M and Becky Folk set up a trap-line at both side of the road. M have 68 traps.  
Loc:  $29^{\circ}06.168''\text{N}$   $112^{\circ}08.171''\text{W}$  (alt  $\approx 50\text{m}$ ).  
The area is a typical sonoran desert. Vegetation dominated by huge cardon cacti. (see photos)  
The other part of the group (T Yata and others) went further Northward to set other traps. Finishing our trapline we went back to the house (600m) and took a bath.
- 20<sup>00</sup> Back at camp again. We continued to prepare animals.
- 01<sup>30</sup> Going to bed

15 OKT 1996

7<sup>00</sup>

Waking up. Breakfast

9<sup>30</sup>

Checking trapline that was set on 14/10/96

①5 *Perognathus penicillatus*①6 *Dipodomys merriami*①7 *Perognathus penicillatus*①8 *Perognathus baileyi*①9 *Dipodomys merriami*②0 *Dipodomys merriami*②1 *Perognathus intermedius*②2 *Perognathus penicillatus*②3 *Perognathus*②4 *Perognathus*②5 *Perognathus*②6 *Dipodomys merriami*②7 *Perognathus penicillatus*②8 *Dipodomys merriami*②9 *Perognathus baileyi*③0 *Perognathus baileyi*③1 *Perognathus baileyi*11<sup>20</sup>

Back at camp again. Preparing animals.

19<sup>00</sup>

Checking some traps on Rancho el Sacrificio re-baiting them. (C. Parmenter drove the car)

20<sup>30</sup>

Dinner at the Rancho.

16 OCT 19966<sup>30</sup>

Wake up, Breakfast

7<sup>30</sup>

Checking trapline set on 14/10/96

③② *Dipodomys merriami*③③ *Perognathus baileyi*③④ *Perognathus baileyi*③⑤ *Perognathus baileyi*③⑥ *Dipodomys merriami*③⑦ *Dipodomys merriami*

Most of this animal were released

10<sup>00</sup>

Preparing specimens.

17 OKT 1996

7<sup>00</sup>

Wake up

7<sup>30</sup>

Checking and collecting trap lines at Rancho el Sacrificio (see 14/10/86)

③⑧ *Perognathus penicillatus*③⑨ *Perognathus bayleyi*④⑩ *Perognathus bayleyi*④⑪ *Dipodomys merriami*④⑫ *Neotoma albigula*④⑬ *Perognathus bayleyi*④⑭ *Perognathus bayleyi*④⑮ *Perognathus bayleyi*④⑯ *Dipodomys merriami*

Most of this animals were released together with Bechy Folk's animal.

11<sup>00</sup>

Preparing animals

15<sup>00</sup>

Starting to pack the camp

19<sup>00</sup>

Just at dusk we finished the packing. We went to Rancho el Sacrificio. We had a small party and we spent the night there.



18 OKT. 1996

9<sup>00</sup> Changing tire of the Honda-truck  
After it we have to help to the transporter  
because it was stuck in the mud

11<sup>20</sup> Starting from Rancho El Sacrificio

11<sup>45</sup> Stopping at Punta Chueca

12<sup>20</sup> Starting from Punta Chueca

12<sup>55</sup> Stopping at Kino Bahía.

13<sup>18</sup> Starting from Kino Bahía (809.7 miles)

13<sup>25</sup> Stopping at a gasfill-station (810.9 mi)

13<sup>45</sup> starting.

15<sup>00</sup> Reaching Hermosillo (870.0 mi)

873.7 mi - Turn left on Road 15.

15<sup>20</sup> Stopping for having lunch.

16<sup>46</sup> Starting from Hermosillo

21<sup>05</sup> Getting to Nogales

21<sup>49</sup> We crossed the border.

1051. mi on Interstate 19 to North - Tucson - Turn to road 10.

18 OKT 1996 2<sup>20</sup> Stopping at a Motel in Willcox

10<sup>49</sup> Starting from the Motel (Road 10)

1332.2 mi Turn left on road 180.

1333.3 mi Turn to right on road 26

1337.7 mi Stop for roadkilled badger. Habitat:  
four wind saltbush, mesquite and grassland  
(at mile marker 4) (Pima County)

1378.7 mi Reappears  
Hatch.

1378.2 mi Turn left on Road 26 North.

1380.2 mi Turn left (north) on Interstate 25 (14<sup>18</sup>)