

FWD
1989

Forrest W. Davis

NMI: Sevillaeta NWR

10 MAY 1989

Left UTM w/ Howard Snell, Marikay Rimsay,
Lee Fitzgerald, Lee Pierce, ~~and~~ Chris Altenbach,
José Chani, and myself at 8:30h.

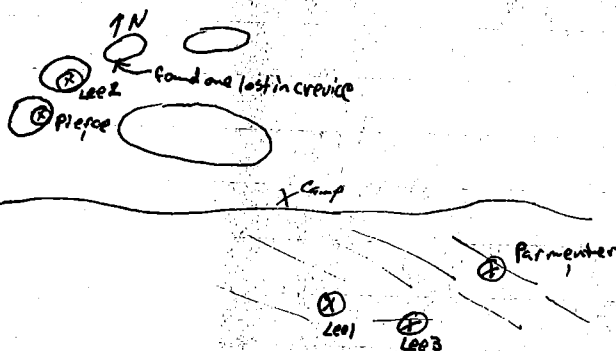
Herp field trip. arrived at Bernardo Exit 9:15h.
Headed East on HWY 60 mile marker 168 adult
Coach whip Masticophis flagellum orange belly dusty dorsal

Burrowing Owl P. Dog town Black Butte Entrance

Entrance } Crotalus viridis
 } Neurophoros
 } Uta

Box turtle (♂ Red eyes) 2 turtles same hole

~ 1100h Sepultura Canyon Crotophilus marked #5
Six Rocks near campground at lunch 1:15h.



Other herps noted: Urosaurus
Uta
Neurophoros

~ 1400h went to Creosote site at 5 pts. set up one
line of pitfalls. Met Jim Brown at Bernardo exit ~ 1600h
Went to southern part of Sevillaeta to investigate the
Irrigation potentials. Turned off I25 at San Acacia
Exit going west along dirt road North around bluff.

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NEW MEXICO, Socorro Co.;
~~43C 6110359~~ ? Sevilleta NWR

10 MAY 1989 -- Parked on Bluff and walked towards southern border of Sevilleta. Picked up an Odocoileus skull (poached?), the soil was extremely sandy with very few grasses. (Sage & skeleton bush). Other herps Scleroperus and Crotalus atrox (western diamondback).

Drove back to Refuge Headquarters unloaded picked up Manuel Molles, Tad Crocker, and Enrique. Phrynosoma also seen at this locality.

Gopher survey:

- Tracks sighted near Rio Grande R. + HWY 66 along La Joya Game Res., especially large ones possibly Pappogeomys likely to be T. bottae.
- Mounds present yet scarce along the Road between Mackenzie Flats and Nunn Flats.
- South of Sepultura Canyon many mounds were sighted west of the Road into Mackenzie Flats around the tip and along the bluff N., especially abundant along this road (N. 2 mi.) all the way to Spts.
- More mounds sighted 1 mi. W of Spts. ~~and~~ heading towards Contreras.
- Gopher tracks were sighted ^{just} S. of Bernardo, to the Refuge H.Q. presumably T. bottae.
- No gopher signs were sighted near the Rest Area on I 25, nor near alfalfa fields ^(south), but that needs to be examined fully. personal contact.

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NEW MEXICO; Socorro Co.; Sevilleta NWR

17 May 1989 -- mileage 4097.8 left ABQ at 0700h.

arrived at Sevilleta HQ 0815h. mileage 4157.8.

Brought Eduardo Palma and 1st load of LTER Lab gear.

It was rainy most of the day (morning) and cool.

Vertebrate crew attempted to finish placing pitfalls in Sepultura Canyon because of thunder and lightning we went to grassland grids instead 1230h.

finished placing traps ^(Pitfalls) on 3 grids saw no herps.

These grids were north of the road that was just west of 5 pts. about ~2 miles west from 5pts. Headed back

to HQ about 1730h. As we traveled N. of 5pts

Saw a box turtle Terrapene (2 mi. N.) Filled $\frac{3}{4}$

full with gas (LTER site) Returned to ABQ 2015h.

~~The~~ mileage 4230.1. (Total hours - 10 $\frac{1}{2}$ h)

22 May 1989 -- The 1st day of vertebrate sampling,

left ABQ with Randy Jennings at 1000h. Loaded

Lab gear up with other trucks at 0730h. arrived @

HQ ~ 1045h. Began setting up lab cabs and and

shit everywhere. Finished cleaning up and preparing

lab by 1500h. Saw a checked-whiptail Cnemidophorus

tigris. Crews Yates and Cannon arrived by 1700h.

and assisted in lab organization.

(7 $\frac{3}{4}$ h)

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NEW MEXICO: Sandoz Co.; Sevilla MWR

23 May 1989 -- Woke at 0500h. Last night was cool ~88°F

light breeze and about a $\frac{2}{3}$ moon. Went to the Pinnon/

Juniper grids with Terry and 5 others @ 0530h. ~~Returned~~

Had to hike ^(0700h) to the top of the Mesa in Sepultura

Canyon to check 3 of the grids (one removed and

& Mark + Recapture). One grid the removal got 5

* animals (). Saw

* one Cnemidophorus. 90% of these trap sites were set in areas unproductive (unlevel areas, backwards on mouse runs, too much bait, not sensitive enough)

Because of this several assumptions of density estimates of grids in that if there is a mammal at each of these stations the trap will get it.

0930h went to check the other removal grid

* North of these in the canyon. Got 3 ^{mammals} ~~animals~~ () and 1 hep (Crotaphytus)

The traps were in about the same conditions as those on the Mesa. Returned to Trucks waited here for ~1½ h. ~~as~~ waiting saw a Eutamias minimus very short, light buff sides. Headed back to HQ @ 1100h.

Began processing animals at 1230h. Finished at 1500h. The other Mammal Crews headed back to ABQ. Went to bed about 2030h.

{ (10h)
}

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NEW MEXICO: Socorro Co.; San Ildefonso NWR

24 May 1989 - - Woke at 0515h. Last night was rather breezy out of SW, chilly $< 65^{\circ}\text{F}$, and overcast for most of the night and the moon was $\sim 1/3$ full. J. Frey, D. Moore and I left for the Removal grids @ 0530h. on

our way to Sepultura Canyon we saw a Black Bear near the Big Well at North eastern part of Mackenzie flat. It was heading south but turned around and

headed to the Los Pinos. It was a ~~young~~ ^{small} bear presumably a young bear. Continued to Sepultura Canyon stopped at the entrance and picked up a side with the others. I checked the higher grid and Frey + Moore checked the lower. On my

* Grid I saw a Sylvilagus auduboni and 7 Onychomys leucogaster, also one antler ~~was~~ found on W2 grid, two Cynomys were sighted. — were collected on this grid (

*) . The pitfalls were probably unsuccessful for a number of reasons (Cans only one deep, often the lips of the cans were 1-2" above the ground, the shade tin was often placed directly over the can forming a lid, drift fences entirely inadequate, and 1 set of 40M pitfalls were not in place). The traps were set in better locations but were baited heavily, without greater sensitivity, also traps from the previous days were not replaced. Returned to the truck and drove back @ 0945h. west of the Big Well Sighted 3 Antilocapra (1 young + 2 adults _{1 ♀ 1 ♂})

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NEW MEXICO; Socorro Co.; Sevilleta NWR
24 May^(cont) 1989 -- These Antelopes appeared to race
the truck apparently sensing that if not run
they would be herded or blocked in. They
appeared to exhibit great control over their speed
and sexual dimorphism in their ambulation.
The larger one was traveling at better than 45mph
with its legs parallel to the ground. The young one
preferred to stay back. Returned by 1145h, ate
lunch and began processing animals and finished
by 1400h. Processed some of the ethylene
glycolated animals. Left for the owl Bar at
San Antonio at 1900h. Bed at 2215h.
(12h)

25 May 1989 -- Woke @ 0520h. Left for Sepultura
Canyon. Checked grid on the Mesa. Last night the
temperature was a bit cooler $\approx 60^{\circ}\text{F}$. Collected
two peromyscus and one large centipede ^{in pitfall}.
* Again traps⁽⁴⁾ were not replaced, there was extraordinary
amounts of bait in the traps, and they weren't very
sensitive); Saw one Sylvilagus auduboni on
grid W2 and 5 Cnemidophorus (striped whiptails).
~~and~~ Returned to truck by 0915h. Saw one
checked whiptail. Headed back to HQ.
~~Then~~ Picked up a Phrynosoma^{Horned lizard?}. DOR on the
~~road~~ south of Big Well ≈ 1.2 mi. Began processing
animals at 1100h. Karyotyping and pulling tissue finished
by 1430h.
(9h)