

M.T. WALKER

6/15/76 to
9/1/77

WARM SPRINGS BURRO -
BIG HORN SHEEP FIELD
JOURNAL

15 JUNE 1976
to Sept 1, 77

6/1/78
Milt —
Material that
Dhmart's office
sent along with
the returned "contract"
equipment, as
per our phone
conversation —
once

15 June 76

10:30 AM

First trip to warm spgs. by ground.
Sighted 3 groups of burros. (A) Two burros down warm springs wash
About 2 miles from the springs, sex and age undetermined. (B) Jenny and colt at lower water hole (LWS) Brown color (C) Group of six approx. 1/4 mile N. of upper water hole, sex and age undetermined. On the way out (Liz) sighted 6 more burros 3 jennies (2 w/ colts) and an additional burro sex undetermined, sighted in warm spgs wash approx. 1/4 mi. SE of warm spgs (lower hole). Did not treat these as a different sighting from A, B & C above because they may have been the same burros in sighting C. One burro (jenny) in the group was unique in that its head and neck was a rusty red, the rest of the body was pale grey. Sighting (A) was too far to warrant a date sheet.

16 June 76

Will go into warm spgs w/ GIMMIE, Weaver (A&E) and others, to meet chopper to attempt to collar (hopefully) 5 sheep. 12.

7:00 pm - drugged one Jack (Brown, 9+ years) and collared w/ horizon.

Blue & yellow color collar, was running w/ 3 jennies w/ 3 colts.

17 June 76 - ~~9:30~~ ^{6:30} AM drugged ewe w/ lamb
8 yrs. Sighted approx. 20 sheep total. On ~~East~~ West side of Wis. Butte.

Time: 8:00 collared another ewe (w/ lamb)

5 yrs. collared w/ Red collar ^{channel} on the North edge of Warm Spgs. Butte.

Time: 10:30 AM. collared another ewe 2 1/2 yrs old. with yellow collar.

On south edge of Warm Spgs. Butte. Had lamb with her. collar channel 10 A. She had 2 permanent incisors.

8 June 76 Used 1 hour more of helicopter time in an attempt to locate 2 adult Rams to put radio collars on. Did not find the Rams.

6:30 Sighted Horizontal Blue & Yellow collar collar Jack, was running with 2 Jennies & one 3/4 grown. One of the jennies was Red head and the other was pregnant and had the 3/4 grown colt.

28 June - making
in Phoenix making
burro collars.

21 June 76

5:30 AM - Start in
to scout McHefly Butte
Ad. One mile up McHefly
Butte road discovered remains
of burro, which has been
dead for quite awhile, cause
of death unknown. Collect
fecal sample.

7:45 AM - Sighted 1 burro, Jack
And grey, Adult in wash at the
end of McHefly Ad. See Red
Note book.

11:00 AM - Sighted one
Grey, adult Jack alone
at ~~wash~~ spgs. At 11:20 AM
6 unidentified burros approached
spgs. The Jack (lone) first
at spgs. Started bawling
and ran toward the approaching
group. 3 immediately turned
and ran away (Jacks?) The
single Jack chased them
for approx. 1/3 mile. At
11:30 AM another burro
approached the spgs. The
Jack also chased it off.
In the mean time the
other 3 (Jennies?) in the
first group of 6 drank
water, and left. Then the

4.

first three that the jack
chased away came back
and drank without any
confrontation from the
agonistic jack.

5

3 July 1976

Drove up to warm springs
w/ Rick Prigge to stay
until Monday (5 July)
we arrived \approx 9:00 AM
at night and set up camp

4 July 1976

Started at 5:00 AM and
drove bike to water #1 & 2
observed 14 burros there.
We picked up channel
4 sheep which was
obviously very near water #2
did not actually observe
her w/ eyes.

At 7:40 pm drove road
into warm springs and
observed a total of
39 burros all of which
were either
at the water hole or
leading towards it.
This makes a total

15

8

9

10

jack
back
any

of 55 different burros
observed today.

5 July 1976

Took brief survey of warm
springs area. Saw Horizontal
Blue/Yellow again in same
area where doted; here was
not w/ any others (6:00 AM)
Returned to Topock early as
Priyge had to go back today.

23
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M
CAMP

8 July 1976

Investigated Tippery mine Rd.
Made good progress up rd. w/
Truck. And then went to near
base of North Butte w/ bike
next day. Got late start
didn't observe any animals.

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9 July 1976

Scouted North Pass Area found
that I could do well on foot.
Range appears fair w/ good
stand of Bromus. Observed
numerous burros in area
but no sheep. Did see fresh
tracks, however. Climbed Crash Peak

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10 July 1976

Survey of North Butte area.

16.

again, nearly reached top
observed numerous burrows
but no sheep either by sight
or receiver

13 July 1976 - First obses. of Adult
Went up South McHefly Rd. Rom.
Reached camp @ 7:30 A.M.

Left And Surveyed ~~the~~ ~~area~~
middle Butte area. Climbed to the
top. Discovered New seep (water
3). Located just north (1/2 mile)
of White Finger Point. Observed
numerous Sheep. Observed one 2-3
year old ram w/ 1/2 - 3/4 curl, also
observed 3 other yearling Rams.
Much Sheep Activity near ~~the~~ Salls
Pass, area, also burrow observed
w/in. Also picked up channel
7A confirmed color AS. Red. Also
picked up channel #4A, very
close (near bottom of South Pass) but
didn't actually observe. Returned
to camp at 6:00 pm (10 hour day)
and very hot

14 July 1976

Badger
+
Columbine
Took 5 gallons of water to
end of bike trail (up S. McHefly Rd.)
Marked w/ red tape. Surveyed
Water # 3 & 2, Observed numerous
sheep & r. r. r.

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staked out water #2 until 11:00 AM
Returned to bike via motorcycle
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16 July 1974

Went in to warm spgs. Arrived
Approx. 8:00 pm. Weather
cloudy with occasional drizzle.

17 July 1974

Surveyed North of Warm Spgs.
Went up Warm Spgs. canyon
Sighted 6 sheep on East Face
of North Butte. Weather was
cloudy w/ occasional drizzle.

18 July 1974

Went up East Warm
Spgs. and sighted 6 Deer
(C. b. r. s.) and numerous burros.
Weather was cloudy w/ occasional
drizzle. Returned home approx.
11:00 pm.

21 July 1974

Went up South McHaffey
Road. Set camp approx. 7:00 AM
and then surveyed Water #3
area.

22 July 1974

18.

came down Water # 3 area.
Sighted 26 sheep. Sighted
2 Adult rams w/ herd of
20 ewes and lambs ~~are~~
at water # 3. also at
water hole were 3 burros.
While the burros approached
water hole (about 12:00 PM) ^{the} sheep
which were drinking moved off. While
the burros drank. The
sheep stayed in the area
bedded down and intermittently
drank at the water hole. No
direct interaction between
the two species was observed.
Lather back to camp and
planned to stay another
night but was rained out
about 11:00 pm because
of threatening thunder
storms.

31 July 1976

Travel up Tipperary moun-
tain Rd observed 2 burros
on the way in 7:00 am.

1 Aug 1976

Surveyed north end of
North Hole. Observed 2/4-ful

19.

curl rain at base of
North butte and several
burros. Was slight signs
of recent rain (water) but
observed ~~no~~ actual standing
water. ~~Had~~ ^{heard} burros faint
noise in ~~the~~ ^{the} canyon mouth
of North butte, I think
I'm coming down with a
cold as I feel rather
sickly will go back to
camp and rest and try
again tomorrow. (It took
nearly a week to make
and set trailer up in
catfish paradise and I'm
rather depressed about losing
that time in town) ~~and~~

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seen
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2 Aug 1976

At 7:30 AM observed 2 male
Rams (3/4 full out) engaging in
battle. Observed them engaged
continuously in this behavior until
10:00 AM

Behavior was as follows:

- ① Nuzzle each other with necks
stretched horns up as if
each other with front legs
- ② each step about 10 paces
away usually bend down to

10.

more feed. Then at a precise
moment each would rear up
on hind legs and then charge
biting each other with much
force with horns. Immediately
following clash they would
assume a frozen neck stretched
position for approx. 15 + seconds
then they would resume front
feet sawing constantly growing
at each other. In the interim
between passing (possibly) each other
and clashing they were both
straggled feed. They were
so preoccupied with this fighting
behavior I was actually able
to walk up in plain view
to about 60 feet from them
at which time they moved
slowly away and resumed
the fight. Other behavior
included much rubbing of
horns on shrubs and much
racing each other (at about
15' away) with necks stretched
and head turned horizontally.
Often when they paced away
and were to charge, instead
of clashing they would stop
before touching horns.

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Both had 3/4-foot ends. One had a thicker set w/ their end beamed somewhat white. The other had thinner horns w/ very little beaming and somewhat sharper points. I have no best idea who was winning. However the one with beamed ends was constantly leading the way when movement was observed, whether this was an indication of giving up ground or being the more dominant. I do not know the shape pointed one however did follow until they (after 3 hours) both escaped (my view) the fight still resumed however as I could still hear their consistent growling and clucking.

5 Aug 1976

Went up S. McHaffey Rd., left early (5:00 AM) and was on foot by 6:30 AM. Surveyed south of Water #3 saw 2 Jennies and a 3/4 cord Ram. Went to south end of South Lutter Water #1 is very thick w/ Algae and smell of ~~rotted~~ manure. SAW many sheep or deer track but

12.

few fresh burro tracks. Completely surveyed south of Water 1 and didn't see any more burros nor did I hear any, I believe they may have moved out of this area for a while.

The south end area of S. Butte shows indications of recent rains as much green growth, especially ocotillo. ~~Step down~~ another x¹v²-z² snake today.

6 Aug. 1976

Scouted wash running North East of S. McTeffy Camp. Got up to about 94 mi. of location where I observed the Rum fight on the 2nd of Aug. Climbed peaks North of Water #3 and observed water hole and surrounding area.

10 Aug 1976

Went to warm springs, arrived late (10:30 am) so will wait until late afternoon to scout area North of Warm Spgs. Sighted 18 burros at East Warm spgs. 113. At same time 2:00 pm picked up channel 7 somewhere up minor pass.

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11 Aug 1974

Climbed to top of middle butte, took 2 1/2 hours to reach top at a slow but constant pace. Sighted 3 sheep on top of middle butte. And several sheep including adult ram w/ ewes and lambs coming through pass later. Copulation was observed. Sighted numerous hawks including Jenny in esteros around 6:00 pm.

12 Aug 1974

Went up East Warm Spgs Wash and climbed to top of mesa, sighted numerous hawks. Also observed Hawks in BLM Helicopter flying in area.

~~13~~ WENT TO TEMPE TO
SEE OHMART

24 Aug 1974

Drove up to Warm Spgs. to meet Hawks w/ BLM Helicopter. Sighted numerous hawks, hawks & sheep in area south & east to Guadalupe, North to Alkali Spgs. and

119.

Then around water #3.
Surveyed lower warm
springs later on foot.

25 Aug 1976

Went north of Warm Spgs.
up to top of mesa. Observed
numerous burros. Evening
went to lower water at
Warm Spgs.; observed numerous
burros.

26 Aug 1976

Surveyed upper water,
sighted sheep at middle
pass, included was Chan.?

1 Sept 1976

Drove up to warm Spgs.,
arrived \approx 5:00 AM. Observed
several burros around spgs
including an unfortunate
looking jack!!

2 Sept 1976

Surveyed wash north of Warm
spgs. Sighted Blue/Yellow Jack
and several other engaged in
breeding behavior, centered
around a grey estrous jenny, 115.

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3 Sept 1974

Rick Prigge arrived late,
drove up S. McHaffy rd.
arrived approx 12:00 midnight

4 Sept. 1974

Woke up early and took
bike up Dead Buck Wash.
Observed several sheep including
2 Adult Rams engaged in
agonistic behavior, also included
Ewe. 7 with receiver. Drove
back to Topack late in
afternoon to take care
of social obligations, will
drive back out Sunday
and stay until Monday.

5 Sept 1974

Drove out S. McHaffy Rd.
Set up camp. AT 11:30 pm
got chased out by much rain.
flash floods!!

6 Sept 1974

Woke up early and again
went up S. McHaffy Rd. Sighted
1 Ram w/ ewe, came back around
12:00 NOON.

116.

10 Sept. 76

OHMART ARRIVED, DROVE IN TO WARM SPGS. TO MEET HELICOPTER ON THE 11th. WEATHER BAD, RAINING CONSIDERABLY.

11 SEPT 76

NO HELICOPTER, DUE TO EMERGENCY IN BULLHEAD CITY. WILL ATTEMPT TO DART BURROS AROUND WARM SPGS. AREA, HOPING TO GET HELICOPTER LATER TODAY OR TOMORROW. NO HELICOPTER TODAY OR TOMORROW, PACKED UP AND HEADED FOR HOME.

~~#~~ 13 SEPT 76

TOOK FAMILY AND WENT UP S. McHEFFY RD. ARRIVED APPROX. 9:00 PM.

14 Sept 76

TOOK BIKE UP DEAD BUCK WASH AND SURVEYED WATER #3 AND AREA. SIGHTED SEVERAL BURROS, ONE WAS ON STEEP SLOPE WHERE SIGHTED SHEEP ON THE 4th OF SEPT.

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15 Sept. 74

Surveyed area immediately
around McHefly butte Spgs. And
then drove home.

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16 Sept. 74

Will meet OMMART Around 5:00 pm
And then drive out to Warm Spgs.
to meet helicopter and attempt
to collect two Adult rams on
the 17th.

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17 Sept. 74

Helicopter Arrived At day-
break. Sighted sheep on ridge
(west most end) that runs west
of water #3 And south of
dead Buck wash. Collected one
4 1/2 yr (1/2 curl) Ram with clean
BA (Green). Attempt to collect another
3 1/2-yr full curl Ram, but didn't score.

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21 Sept 74

Left trailer And went up
S. McHefly Rd. Sighted burros
1 mile south of S. McHefly
Rd. Collected sample. Will
continue up DEAD BUCK WASH
with bike And survey area.

lope

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22 Sept. 76

Went up DEAD BUCK WASH, climbed to top of South Butte sighted CHAN. 8A at Base of Pass Point, Also picked up CHAN 4 (no sighting) over near Round Knob.

24 Sept. 76

Meet Prigge AND drove to Warm Spgs. Rained all night at warm Spgs. Much Rain. Flash flooding

25 Sept 76

Prigge & I walked up middle Pass sighted 3 RAMS AND 1 ewe w/ 2 !! lambs. Two RAMS were $\frac{3}{4}$ -full curl and were engaged in battle. Other Ram was $\frac{1}{2}$ curl but not chan 8A. Left for home today due to more Rain.

28 Sept. 76

Drove up Tipperary Mine Wash (very washed out) made camp. Sighted no burros on the way in but heard some during Night.

29 Sept.

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Surveyed Round Knob Area
sighted 6 sheep (one was a
yearling Ram. Also sighted
2 sheep later at base of Pass
Point (could be the same as
those sighted earlier).

~~30~~ 30 Sept 76

Will meet Butler At Needles
Air Port to pick-up collared
animals via fixed wing. 6 hrs.
31-8³ flight surveys and paper
work.

10 Oct 76

drove up to Warm Spgs.
Pick up Chan. 7 + observed
A few burros.

11 Oct 76

Surveyed Area Around
Warm Spgs. Did not observe
any animals all day long!!
Burro use At W.S. is
very minimal due to past
rains. New green growth
very abundant.

Oct. 76

12 ~~Oct~~ Heard burros come to
water last night. Picked up
Sample (burro). Surveyed Area 120.

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South of Warm Spgs. Still
NO ANIMAL sightings!!!

13 Oct 76

Surveyed buttes west of
Warm Spgs. Sighted Chan 8A
Ram & ewe. Ram was
attempting, numerous times,
to mount ewe. Ewe would
evade his approaches.
Still no burro sightings!!!

14 Oct 76

Surveyed area north of
W.S. No sightings, picked
up fecal sample (burro)

20 Oct 76

Drove up South McHefty
Rd. Started and collected A Yearling
(or less) female burro. Color
collar is solid blue. Saw several
other burros on the way up.
They seem to be using the
area near 95 more.

21 Oct 76

With drive up White Finger Wash,
NO drive up Dead Buck Wash

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Picked up channel 8A + 10A
in Area of Narrow Canyon.
later on sighted large band of
sheep including several males.
P.O.F.S. both sheep + burro

22 Oct 76

Drove up White Finger Wash
Picked up channels 7A, 8A, 9A
All seem to be coming from
on top of South Butte. RAINED
A little today.

25 Oct 76

Drove out Tippery Mine Wash,
set up camp. Dosed a 2-3 year
old jack at 4:44 p.m., didn't go
down, dosed him again at 5:20
and still he did not go down, I followed
him until about 6:15 he was
somewhat shaky but never went
down. The drug had been in
the dart since Sept. but known
for certain that there was at
least 5 mg of m99 shot into
the burro. (Never went down?)
follow until dark.

26 Oct 76

surveyed North Pass area, 122.

observed a few burros, but
never saw or picked up any
sheep. WAS out all day. Weather
was windy and chilly all day.

27 Oct 76

Surveyed area South of
Orange Finger. Picked up char. 4A
~~two somewhere in the vicinity~~
~~of sheep canyon, never actually~~
~~sighted her.~~ Sighted 4A + 7A
Very near top of North butte.
on very steep slope at 12:15
pm. left for home at 2:30 pm in order
to go deer hunting tomorrow

28-3 Deer Hunt

4 NOV. '76

left trailer early and drove up
to Warm Spgs. was Arrived
Approx. 8:00 A.M. Was first
time to see relatively heavy
burro activity so far south
as where road first comes to
black bajada. Do believe burros
are moving both higher (Mesa tops)
and lower (extensive south bajada)
but have no actual sightings
south. Sighted several burros
in area (bajada) surrounding
Warm Spgs Wash. approx

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1½ miles south of lower
Spgs. No doubt, one male,
Adult, Jack had a very
bad looking left front leg
(possibly broken) and could
only walk on three legs. I
loaded capture Gun and
stalked him, I shot high
and dart ricocheted off back
causing me to lose another
dart. Although he could
only run on three legs he
could still easily out run
me as I tried chasing (≈ ¼ mi)
him down (for another shot)
without success! In addition
to the burros I picked
up Chan. 4A + 10A Sheep on
East side of South Buttes, received
very strong signals up to
About 11:00 A.M. (starting at 8:15 AM)
but failed to actually observe
them. THE vegetation appears
to be drying out (after last rains)
and is probably the ^{major} factor
responsible for more burro
sightings so close to the Spgs.
Of the burros mentioned earlier
three were ^{i.e. an} adult Jenny with
a yearling Jack and a very young 24

and very black colt, this adult Jenny no doubt gave birth to these other two as they were by themselves and stuck very close together. Surprised that the Yearling??, (certainly not much over 13-14 months looked so young and yet she (the adult Jenny) was sporting the other young colt. The Jenny was very obviously lactating, the black colt couldn't have been very old (weeks??) as ~~he~~ it was still covered with very woolly hair that covered the entire body.

5 NOV 76

Surveyed area south of warm Spgs., very little Activity, sighted one burro.

6 Nov. 76

Surveyed area around and North of Warm Spgs. Sighted several burros some appeared to be engaged in breeding activity: No sheep

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7 Nov. 76

Picked up Chan. 9A, with receiver on Buttes, and observed several burros. Ferdinand and Natasha arrived this morning to do some veg. transects. A helicopter appeared around 10:00 AM but don't know who it was.

8 Nov. 76

Surveyed area on S. BASADA, observed no burros but much recent sign. Picked up Chan 4A, 7A and 8A sheep w/ R.O. only on slopes of buttes facing Warm Spgs.

10 Nov. 76

Helicopter survey today, 8 hrs. flight time, observed 39 sheep + ~133 burros.

12 Nov. 76

Took family AND drove up S. McTeffy Wash, observed numerous burros, including #16 | 26.

solid blue. Picked up fecal sample.

13 Nov 76

Rainy, stayed around camp with family, observed no animals

14 Nov. 76

Observed burros in the A.M. Returned home before noon to give talk to local OFF-ROADERS Club.

18 Nov. 1976

Drove up Tipperary Mine wash and set up camp, collected fecal sample, burro.

19. Nov. 1976

Surveyed area on top of Black FINGER MESA, observed numerous burros, Picked up Chan. 7A ewe (late afternoon) Somewhere atop of North Butte, no actual observations.

20 Nov. 1976

Surveyed area south of

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Orange Knob, observed an
~~at~~ adult Ram atop of South
Butte. Moved camp to S. Myteffy.

21 Nov. 1976

Drove up DEAD BUCK WASH
and walked to top of South
Butte, observed total of 16
sheep, one group consisted
of Chan 7A+10A. Amongst this
group was a 3/4-full curl
Ram active in courting
ewes. Also sighted numerous
burro today. Signs of recent rain.

22 Nov. 1976

Scouted area near vicinity
of Myteffy camp, no observations
will return home today.

23-25 WENT TO TEMPE

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27 Nov 1976

Drove to Warm Spys with
Jim Schmittland to observe
sheep. SAW several sheep
returned home same day.

1 DEC 1976

Drove to Tippery Mine wash
set up camp and surveyed
area immediately around camp
Picked up fecal sample.

2 DEC 1976

Walked to top of Black
Finger Mesa and surveyed area
on top for approx. 3-4 miles
Observed numerous burros and
Picked up Chan. 7A somewhere
atop of N. Butte (did not observe)
Also observed several burros
in foothills west of N. Butte.

3 DEC 1976

Walked to top of N. Butte.
Ran into a bighorn sheep
hunter scouting for sheep.
Observed several sheep and
burros. He is successful next day

4 DEC 1976

Surveyed area south of Orange
Finger. Sighted several
sheep and burros. Bighorn
season opens today.

8 DEC. 1976

Drove to Warm Spgs.
in hopes of seeing sheep
hunter, no luck. Walked
to top of Black Mesa. Sighted
several burros and sheep on
N. butte, barely made it back
to camp by dark and am down.
didn't eat dinner, just
sleep, sleep, sleep. ^{tired!}

9 Dec. 76

Surveyed north up Warm
Spgs wash, observed no
animals, returned home to
care for domestic affairs.
today.

10-12 - Tempe

14 Dec 76

Drove up Tippery Mine Rd.
set up camp. Got late start,
SAW NO ANIMALS

15 Dec. 76

Surveyed west buttes area
observed one burro & one sheep.
Meet the (2nd) sheep hunter. He
hunted N. butte area and
SAW 4 sheep, none were rams.
I will take his observations
down

130.

16 Dec 74

Surveyed west buttes area
observed 8 sheep. One large
Ram and another 2-3 yrs. old
Ram*. The large Ram made
a few attempts to mount
one of the adult ewes, appeared
unsuccessful. Very interesting
day. Also ran into butte again
why he wasn't successful I don't know!!
His large rams we easily observed by me!!

17 Dec 74

Surveyed west buttes area
again, observed no sheep but
a few burros. I took a new
route today and saw some
new country, looked good for
sheep.

21 Dec 74

Drove up S. McTeffy Rd. with
family. Sighted some burros
on the way in. Also heard
burros around camp that night

22 Dec 74

Surveyed buttes directly
south of S. McTeffy camp.
Sighted several burros on
bajada south of buttes. Picked
up Chan. 7. Near the bottle neck.

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23 Dec 76

Surveyed area around
McHaffy Camp, returned
home early for Christmas.

28 Dec 76

Drove up to warm spgs.
with Pryge, sighted several
burros on bajada on the
the way in. Sighted 6 sheep
just west of warm spgs
later this afternoon

29 Dec 76

Walked up warm spgs. wash
North of warm spgs, then to
top of North Butte. Sighted 2
sheep + picked up Chan. 4A + 9A.
Returned to camp via South slope
of North Butte.

30 Dec 76

Walked Route #1 on mesa,
sighted many burros. Started
raining today. Returned home
due to rain again flooded out!!
for several days.

6 Jan 77

Drove up Tippey Mine Rd.

132.

arrived late, sighted no animals on the way in. Study Area received much rain during the period from Dec. 30 76 to 6 JAN. 77. Much standing water, will be good for winter animals.

7 JAN. 77

Surveyed Buttes (west), sighted several burros but no sheep. Also surveyed "Crash Peak" area.

8 JAN. 77

Surveyed Area on top of "Black Finger Mesa", sighted several sheep on "North Butte" and many burros on mesa and benches.

9 JAN 77

Surveyed "North Butt" and "Dead Sheep Butte", saw Cham. 7A with two (76) lambs, heard burros but didn't actually sight any today. Picked up sheep pellets will return home today.

17 JAN - 21 JAN 1977

Warm Springs area, ~~few~~ few animals observed due to Flo.

18, 19, 20 - In Bed with very
bad case of flu, not doubt
I have the kids to thank!

24 JAN 77

76 Took family and drove up
Tipperary Mine Wash. Made camp
observed no animals. Still weak from
flu.

25 JAN 77

Surveyed area around DEAD
RAM Butte, observed several
Sheep and several burros. ^{Also sighted}
Adult Deer
buck

26 JAN 77

Walked 'Black Finger Mesa'
route. Sighted 21 Sheep on
North & South Buttes AND three
Adult Rams on 'Black Finger
Mesa'! also observed several
burros

27 JAN 77

Observed Tipperary Mine
wash South of camp (on
way out) Observed several
burros and an Adult Buck Deer.

31 JAN 77

Moved up S. McHaffy wash
with family, set up camp.

1 Feb. 1977

Survey Buttes (and water holes)
via S. McHefly wash. Observed
only two burros, very little
sign around water holes.

2 Feb. 1977

Survey McHefly wash south
of camp, observed no
animals. Believe they have dispersed
on Mesa where plenty of feed

3 Feb. 1977

Survey top of South
Butte. Observed 9 sheep
(all ewes) observed no burros.
Returned home tonight. Where are burros?

5-8 - Drove to Alkali in search of burros?

10 Feb. 1977

Spent 5 hours today
with helicopter surveying
completing surveying buttes
for sheep and surveying
lower riparian area near
pools. Went around to pools
for bloom. Mission ended
before 5 hours due to wind

11 Feb. 1977

Finished up helicopter
survey (3 hours) yesterday

stu

12 Feb

Recd

plant

Badg.

Seeps.

15 Feb

Drove

Survey

Collect

observed

24 Feb

Drove

Baja on

a few

Hot. B/y

void on

25 Feb

Survey

warm

very fe

26 Feb

Survey

Baja.

study area for birds

oles)
erved
le

12 Feb 1977

Rick Prigge and I collected
plant samples at (containing)
Pachy. ~~detritus~~ and other
deeps. Sighted many birds

with

dispersed

15 Feb 1977

Drove up Tuppery road
surveyed Kettle, Red Kettle area
collected ~~plant~~ plant specimens
observed 2 Burros

rvos.

here are burros
hot wings??

24 Feb 1977

16-21: TEMPE
AND PAPER WORK

Drove to Warm Spgs. Surveyed
Baja on the way in, and observed
a few burros, one included
Hot. B/y. His collar is nearly
void of color.

25 Feb 1977

Surveyed area around
warm springs, observed
very few animals.

26 Feb 1977

Surveyed area towards
Baja.

27. Feb 1977

Surveyed area around warm Spgs. and then down on bajada, observed a few burros.

9/

28 Feb 1977

Surveyed area on top of Black Mesa, observed several burros one group were engaged in breeding act. I took alot of pictures.

10

1 March 1977

Surveyed area North of W.S. observed burros but no sheep (surveyed east side of North Butte. Returned home today.

Mi.
m.
to

11 M.
D.
to
hel
Ver.

12 M

MAR 2-6 Finished reports

7 MAR 1977

Drove to Tiggery Mtn. Wash, Surveyed West Buttes Area. Observed several burros + 1 sheep (+ one Deer) on way up obs. lone doe off is - apparently survivor of dead Jenny. Picked up several fecal samples.

cap
for

13

F
AND

16 P

D.
with

9 MAR 1977

Walked to top of North Butte,
observed several (12) sheep
on South Butte and several
burros on Black Mesa.

10 MAR 1977

Surveyed area around Tipperary
Mine Wash Camp, observed
no animals returned home
today

11 MAR. 1977

Drove up to W.S. with Prigge
to meet Sheril + CHMANT with
helicopter to do capture work.
Very windy no work today.

12 MAR 1977

Nice day, done much
capture work, will continue
tomorrow

13 MAR. 1977

Finish capture work today
and returned home today.

14-15 PAPER WORK ON
CAPTURE ACT.

16 MAR. 1977

Drove to McHEFFY WASH AREA
WITH FAMILY. OBSERVED SEVERAL

BURROS. CAPTURED ONE JACK
AND COLLARED.

19 MARCH 1977

DROVE TO DATMAN WITH
FAMILY AND RELATIVES. OBSERVED
A FEW BURROS AROUND
MCHEFFY AREA

21 MARCH 1977

DROVE TO WARM SPYS WITH
FAMILY.

22 MARCH 1977

WALKED TO TOP OF
SOUTH BUTTE. OBSERVED 15
SHEEP & SEVERAL NEWBORN
JACKS. ALSO SEVERAL BURROS.

23 MARCH 1977

WALKED BLACK MESA ROUTE,
OBSERVED SEVERAL HERDS OF BURROS
BOTH ON AND OFF THE MESA. OBSERVED
A FEW SHEEP ON TOP OF N. BUTTE.

24 MARCH 1977

SURVEYED AREA AROUND AND
WEST OF WARM SPY. OBSERVED
SEVERAL BURROS & 4 SHEEP

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SA
31
W
SE

SACK

25 MARCH 1972

SURVEYED AREA SOUTH OF WARM SPYS. OBSERVED SINGLE BURRO. RETURNED HOME TODAY DUE TO RAIN. TONIGHT IT SNOWED ON TOP OF MESA AND BUTTE.

with
saw

26-28 MARCH BAD WEATHER
ROADS VERY BAD

29 MARCH 1972

LEFT EARLY AND DROVE TO McHEFFY WASH. OBSERVED SEVERAL BURRO ON WAY OUT, INCLUDING HOAR. RED/WHITE NEAR AREA WHERE CAPTURED. ALSO SURVEYED AREA AROUND CAMP. OBSERVED CHAN. MA MALE, WHICH TRAVELED APPROX. 6 MILE FROM PT. OF CAPTURE, HE WAS RUNNING WITH ADULT FEMALE AND 1/2-3/4 GROWN COIT.

with

pros

to
observed
Butte

30 MARCH 1972

WALKED TO TOP OF SOUTH BUTTE. OBSERVED SEVERAL SHEEP AND BURROS. PICKED UP WATER SAMPLE FROM BADGER SPES.

and
saw
up

31 MARCH 1972

WALKED TO MATATE & COLUMBINE SEEPS TO PICK UP WATER

SAMPLES, OBSERVED SEVERAL
BURROS WENT HOME TODAY

4 APRIL 1977

DROVE TO ALKALI SPGS.
TO PICK UP COW FECAL SAMPLES
OBSERVED SEVERAL BURROS
& COWS

5 APRIL 1977

PICKED UP SEVERAL COW
FECAL SAMPLES AND DROVE
HOME

AP. 6-11 TEMPE

12 APRIL 1977

DROVE TO TIPPERY MINE
CAMP AND SCOUTED AREA
AROUND CAMP. OBSERVED
SEVERAL BURROS

13 APRIL 1977

DROVE UP TIPPERY MINE
WASH AND SCOUTED WEST
BOTTES. OBSERVED SEVERAL
BURROS AND SHEEP.

14 APRIL 1977

WALKED TO TOP OF BLACK
FINGER MESA. ONLY OBSERVED

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10A

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17 A

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RAI
AY

2 burros which were across
W.S. CANYON ON edge of
BLACK MESA PROPER, Also
observed several sheep in
WEST BUTTES

IMPIES

15 APRIL 1977

SCOUTED AREA BEHIND (South)
OF TIPPERY Mn. CAMP AND
TIPPERY MINE PROPER. MOVED
CAMP TO MCAEFFY WASH
CAMP THIS EVENING AND OBSERVED
several burros (including #128)
There.

J
JC

16 APRIL 1977

WALKED TO TOP OF SOUTH BUTTE,
observed several burros and
25 sheep. Burros include
#16 Blue. Sheep include 7A, &
10A both with lambs (small). Picked
UP WATER SAMPLE FROM BADGER
SEEP. HARD work but I really enjoy this
work!

F

A1

17 APRIL 1977

OBSERVED AREA AROUND BURRO
SEEP, PICKED UP WATER SAMPLE

21 APRIL 1977

DROVE TO Warm Spgs.

Will catch up on
PAPER WORK 18, 19, 20

192.

Surveyed area around
spgs. Observed a few
burros, No sheep

22 APRIL 1977

Surveyed area around
Spys and then drove up
wash running east of
warm spgs. Observed
several burros including
many marked animals.
Animals seem to be using
water more, temp rising
into 90's.

23 APRIL 1977

Surveyed area west of
warm Spys. Observed several
burros at water. Also obser-
ved several burro coming
to water ~~at~~ during evening
hours, starting about 5:00 pm.

24 APRIL 1977

WALKED to top of Black Mesa,
observed only a few burro along
the rim nearest to w.s. did
not observe any burros at any
distance from rim (3/4 mi or more)
this no doubt due to warmer

temperatures during the day. Late afternoon brought cloudy mess and cooler temps. Again observed several burros coming to water in late afternoon (= 4:00 pm +)

25 APRIL 1977

Surveyed area around W.S. and a little North. Observed several burros but no sheep. Will leave for home today.

30 APRIL 1977

Drove up S. McHEFFY Wash to meet with Sheep Society to develop Sheep Seps. Nearly completed damming and sealing seep today.

1 MAY 1977

Finished with seep and completed putting up fence across wash leading into seep. Returned home today.

2 MAY 1977

Meet with George Welsh in Bullhead. Flew approx 3 hours with him in helicopter while conducting A & F Sheep Survey. G.A.

Did not find Chan. 8A Ram.

7 MAY 1977

Meet Butler & CHMART AT
Needles Airport to survey study
Area with fixed wing. Flew
About 2.5 hours before wind
became too bad.

6 hrs

8 MAY 1977

Finished fixed wing survey
(another 3.5 hours today). Picked
up all burros but only CHAN 7A
Sheep. Could not locate 10A
8A or 4A. Flew North of
Oatman and even Needles
Peaks.

9 MAY 1977

Drove into S. McHEFFY Wash
AREA. Observed several burros
returned home in evening due
to go to Phoenix tomorrow.

10-16 PHOENIX, TEMPE
YUMA.

17 MAY 1977

Drove to W.S. with Rick Frigg.
OBSERVED A few burros on the
way in. Weather unseasonably
cool, had good rains recently.

18 MAY 1977

WALKED BLACK MESA ROUTE,
OBSERVED MANY burros, which
were probably there (Black Mesa)
due to unseasonably cool weather
and recent rains

19, MAY 1977

WALKED to S. Butte, observed 2
Burros and NO Sheep. Returned
to camp, seeing one grey
fox. Later tried shooting
burros at lower warm Spgs. with
no success. SAW A GRAY fox at upper W.S.

20 MAY 1977

WALKED to TUNA TANK. TUNA TANK
WAS full of water approx. 5'
deep. Observed A few burros, NO
sheep. Collected one badger and
one rattlesnake. Observed several
burro coming in to W.S. for
water at 6:30 p.m.

21 MAY 1977

SURVEYED EAST WARM SPGS. WASH
SIGHTED many burros, some breed-
ing. Dated and collared another
burro (#140 Grey, Adult, male) Ab.
This evening at lower W.S. ~~to~~ water

22 MAY 1977

SURVEYED AREA South of U.S.
observed some BURROS. Returned
to camp, packed up, and returned
home

24 MAY 1977

Rained much over the 23rd
and 24th. Everything very
wet. Drove to S. McHaffy
Camp, observed a few burro
on way in. Bike broke down
yesterday so will be limited
to area surveyable.

~~24 MAY 1977~~
25 MAY 1977

WALKED TO TOP OF SOUTH BUTTE
AND $\frac{3}{4}$ UP N. BUTTE. SAW 20
SHEEP AND ONE BURRO. WAS MUCH
STANDING WATER AFTER RAIN, VERY WET.
COLLECTED WATER SAMPLES AT MATATE
AND SHEEP SPRINGS.

~~25 MAY 1977~~

26 MAY 1977

Surveyed area South and West of
Matate Seep. Observed several
burros no sheep. Need hike

27 MAY 1977

Prigge surveyed Columbine Sps.

147.

area, I surveyed area North
of Badger Seep. Collected
water sample at Columbine.
Observed several burros and
5 sheep (1 Adult Female, 2 yearling
Females and 2 lambs). This
could represent twins, may be
same female with possible
twins seen last year. Returned
home today

31 MAY 1977

Drove to ALKALI Spgs. to
pick up Cow fecal samples.
Observed some burros and
many rabbits on way in.

1 JUNE 1977

Picked up Cow fecal samples
for MAY and JUNE at ALKALI
Spgs. Proper. Picked up some
plant samples, took quick
survey of area for collared
burros and then left.

2 JUNE 1977

DROVE TO S. McHEFFY CAMP. OBSERVED
SEVERAL BURROS ON THE WAY
IN. ARRIVED LATE, WEATHER DRY
AND HOT.

148.

3 JUNE 1977

WALKED to top of South Butte. Observed several burros near Matate Spgs. and 9 sheep near Sheep Spgs. Included in the sheep observations was that of an Adult Ram, approximately 3 yrs. old.

4 JUNE 1977

Prigge went to Columbine, I climbed Butte above Badger Spgs. Saw several sheep and several burros. Returned to camp and then home.

4 JUNE 1977

Drove to Warm Spgs., observed several burros on the way out, many around water. Temp. hot & dry.

7 JUNE 1977

Walked to top of Black Mesa. Observed several burros. A storm came through in the afternoon temp. dropped 38 degrees from 101 to 63 in about 45 minutes, rained hard

for about 1 hour.

8 June 1977

WALKED TO TOP OF NORTH BUTTE. OBSERVED 5 SHEEP, BOTH CHAN. 4 & 7, BOTH HAD LAMBS; CHAN. 7'S LAMB IS A MALE. CHAN. 4 RADIO COLLAR DOES NOT WORK ANY LONGER. WEATHER WAS OVERCAST WITH OCCASIONAL RAIN. TEMPS WERE UNSEASONALLY COOL. PRIGGE IS GETTING BETTER, LEG MUSCLES ARE SHAPING UP! Ha

9 June 1977

WALKED UP E. WARM SPRINGS WASH, OBSERVED A FEW BURROS, NO SHEEP. RETURNED HOME TODAY

10 June 1977

FLEW 8 HOURS OF HELICOPTER TIME WITH G. MARTIN. DONE BOTH GRID AND CONTOUR. SURPRISED TO SEE, STILL, MANY BURROS ON MESA. ONLY SAW 4 MARKED ANIMALS OUT OF 98 (BURROS) IN STUDY AREA PROPER. SPENT CONSIDERABLE TIME CONTOURING BUTTES IN ~~THE~~ AFTERNOON (≈ 12:00 PM) BUT DID NOT SEE ANY SHEEP! THINK THEY HEARD HELICOPTER AND

150.

3 JUNE 1977

WALKED to top of South Butte. Observed several burros near Matate Sgs. and 9 sheep near Sheep Sgs. Included in the sheep observations was that of an Adult Ram, approximately 3 yrs. old.

4 JUNE 1977

Prigge went to Columbine, I climbed Butte above Badger Sgs. Saw several sheep and several burros. Returned to camp and then home.

6 JUNE 1977

Drove to Warm Sgs., observed several burros on the way out, many around water. Temp. hot & dry.

7 JUNE 1977

Walked to top of Black Mesa. Observed several burros. A storm came through in the afternoon temp. dropped 38 degrees from 101 to 63 in about 45 minutes, rained hard

holed up. Temp

17 June 1977

Drove to Tipperary mine camp.
Arrived late, observed no animals

18 June 1977

Scouted area near camp. Very
hot and dry, observed NO
Animals.

19 June 1977

Surveyed area near N. Butte
observed several burros
but no sheep.

20 June 1977

Surveyed West Buttes, observed
no burros, but did observe
six sheep. Returned home
today.

22 June 1977

Drove to S. McHeffy camp.
OBSERVED several burros on the
way in.

23 June 1977

Prigge took Bike and went
up Dead Buck wash. I surveyed

area ~~WEST~~^{EAST} OF BADGER Springs,
I observed 13 sheep near top
OF S. Butte

24 JUNE 1977

Prigge surveyed area south
of Badger Spgs, I surveyed Buttes
just south of camp, observed
several sheep and several burros
today.

25 JUNE 1977

Prigge surveyed area around
MATATE + columbine spgs., I
surveyed area from butte just
north of Badger spgs. Observed
several sheep and burros, collected
water samples from all three
seeps and returned home
today.

26 JUNE 1977

Drove to warm Spgs., observed
several burros south of and
at warm Spgs. Temp. reached
116 today.

29 JUNE 1977

Prigge surveyed mesa area 53

just North of middle
spgs. I took bike and
surveyed mesa just north
of East warm spgs wash.
observed several burros.
Also captured and collared another
burro today #141

30 June 1977

Surveyed area around lower
& upper springs. Observed
several burros. Captured a
doe in the evening but
it didn't go down.

1 July 1977

Surveyed area up E. warm
spgs. wash. Observed several
burros and deer. With the
hotter temps. this month
both deer & burros are staying
very near water. Observed several
deer coming to water in the
evening hours this trip.

3 July 1977

Drove to Tippery Mn. Camp
observed one burro coming
in. Weather showing thunder
clouds & stiff south east breezes.

Idle
and
north
wash.
burros
and another

lower
used
a
net

warm
real
the
"

staying
+ several
in the

Camp
ming
hunder
+ breezes.

4 July 1977

Surveyed area North & South
of Crash Peak & observed
several burros, sheep and
one deer.

5 July 1977

Surveyed area south of
Dead Ram Butte, observed
several burros but no
sheep.

6 July 1977

Surveyed area south of
camp and north up Tippees
mine was. Surveyed most
of west buttes.

Packed everything up and returned
to Tazoo at about 10:00 am.

I left for Buckeye at 10:30 am.
Will not take in traps on the 7th
to take care of business and
return traps to forest department.

Weather - Clear, Calm

High - 106

Low - 80

No animal animals seen!!

July 7 - Tazoo

July 8 - Buckeye

July 9 - Buckeye

July 10 - Buckeye

July 11 - Buckeye

July 12 - Buckeye

July 13 - Buckeye

July 14 - Buckeye

MY TRUCK
WAS STOLEN
Very bad
spirits!!

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Journal

July 15 - Left Berkeley at 8:30 a.m. with
Fork Courier and headed for Yuma to
pick up Mike and his family. (Truck
was stolen on the 10th of this month!)
Left Yuma at about 6:30 p.m. &
arrived in Topock at about 11:00 p.m.

July 16 - Topock

July 17 - Topock

July 18 - Left Topock at 7:00 for S. McHaffey
Road arrived at camp just west of South
Butte about 9:30 p.m. - total burros seen: 2
1 adult female
1 colt (sex unknown)
2 Total.

July 19 - Left camp at 6:45 a.m. and I headed
for area around Matate soap, while Mike
departed for area above Backer springs.
Total burros seen: 14

4 adult males
5 adult females
1 Yearling male
1 Yearling female
2 male colts
1 female colt
14 total

Total number of sheep seen: 7
1 adult male (2-3 years)
3 adult females
1 yearling female
2 lambs (sex unknown)
7 Total

Returned to camp at 10:30 a.m.

Weather: Overcast, Buggy (SE)
High - 106
Low - 84

No rattlesnakes or unusual animals seen!!

July 20 - Left camp at 6:00 a.m. and we both headed for the same general areas covered in previous day. Returned to camp at 9:45 a.m.

Total animals seen: 27
7 adult males
8 adult females
2 yearling males
1 yearling female
2 Colt males
5 colts (sex unknown)
1 yearling (sex unknown)
1 adult (sex unknown)
27 Total

Piege, R.
1977

Journal

July 20 (cont) - Total # of sheep observations - 14
2 adult males (3-4 yrs. + 2-3 yrs old)
5 adult females
3 Yearling females
1 Yearling (sex unknown)
3 lambs (sex unknown)
14 Total

Weather: Overcast, Breezy (SE)

High - 104

Low - 83

No snakes or out of the ordinary animals seen!!

July 21 - Left camp at 7:30 a.m. - which I might add will be the last time we leave camp this late because it is already hot!! I proceeded to the area above Badger Springs and Mike left for area above (V. late). Returned to camp at about 11:00 a.m.

Total number of Burros seen: 21

11 adult males

4 adult females

1 Yearling (sex unknown)

1 male foal

3 colts (sex unknown)

1 adult mare (sex unknown)

21 Total

159.

14

Total number of lizards seen: 4
1 adult male (3/4 curl)
1 adult female
1 Yearling female
1 larva (lost under rock)
4 Total

Packed up gear and returned to Topack!

Weather - Clear, Calm
High - 111
Low - 78

1/0 snakes today!!!

July 24 - Left Topack at 7:00 p.m. and headed for Warm Springs. Arrived at 7:30 p.m. - ate dinner and hit the sack!

July 25 - I left camp at 6:00 a.m. and headed for mesa north of Warm Springs. I like surveying area around water holes! Returned to Camp at 11:00 a.m.

Total lizards seen: 36

13 adult males
9 adult females
3 Yearling males
1 Yearling (lost under rock)
1 adult female
(over)

60
4

Pungo R
W 1977

Journal

July 25 (cont) - 7 colts (sex unknown)
1 adult (sex unknown)
1 burro (age & sex unknown)
36 Total.

No sheep were seen!!

Weather - Clear, Calm

High - 110

Low - 69

(((No rattlesnakes or unusual animals seen!!

July 26 - Left camp at 7:30 a.m. with
Jeep and headed up East Warm
Springs Wash. Returned to camp
at 11:30 a.m. and left for Upper
and Lower Warm Springs at about
6:00 p.m. Total burros seen: 43

7 adult males

12 adult females

8 adult (sex unknown)

4 yearling males

1 yearling female

9 colts (sex unknown)

2 burros (sex & age unknown)

43 Total

161.

Weather - Clear, Calm

High - 111

Low - 73

No snakes seen!!

July 27 - Mike left camp at 5:30 a.m. and headed for mesa north of camp. I surveyed area around Upper and Lower Warm Springs. Total burros seen: 22

5 adult males

3 adult females

10 adult (sex unknown)

2 Yearlings (sex unknown)

2 colts (sex unknown)

22 Total

Packed up camp and left for Toprock!!

No snakes seen today but did see 1 female mule deer.

Weather - Clear, Calm

High - 113

Low - 77

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July 28 - Left Teopac at 7:15 p.m. and
headed for area west of South Butte
via S. McElroy road. Arrived and
set up camp at 8:30 p.m. Total
Bunnies seen: 2

1 adult female
1 alt (sex unknown)
2 total

Weather - Clear, Calm

High - 115

Low - 85

July 29 - I left camp for area around
Mitata Deep and Mike headed for
area above Badger Springs. (6:00 a.m.)
After seeing only 8 bunnies and 2 sheep
I heard horns clashing over Big Badger
Springs and went over to try to get
some pictures -- shot about 2 dozen
pictures of 1. rams and a ewe in
and around the springs. - Met Mike
and we returned to camp at 10:00 a.m.

Total Bunnies seen: 9

1 adult male

3 adult females

1 yearling male
in

163

1 Yearling female
3 cubs - male
9 total

Total Sheep seen: 20
6 adult males (1-2-3 years old
5 → 1/2 - 3/4 cubs)

4 adult female
1 Yearling male (1-2 years)
1 Yearling female
4 lambs (sex unknown)
4 sheep (age & sex unknown)
20 Total

Weather - Clear, Breezy (SE)
High - 114
Low - 87

No snakes etc seen today!!

July 30 - I left camp for area above Badger Springs at 5:45 am and made left for area around Motate. Returned to camp at 9:15 a.m. Total Bunnies seen: 14

5 adult males
4 adult females
1 Yearling male
1 Yearling female
2 cubs (sex unknown)
1 Bunny (age & sex unknown)
14 total

64
20

July 30
1971

Journal

July 30 (cont) - Total - Sheep seen: 21
6 adult males (4 → 1/2 - 3/4 cul,
1 → 3/4 - full cul,
1 → 2-3 years)

7 adult females
1 yearling male
1 yearling female
1 yearling (sex unknown)
5 lambs (sex unknown)
21 total.

⊖ No snakes etc seen today!!

Weather - Clear, Sunny (SE)
High - 110
Low - 82

July 31 - I left camp at 5:45 to go to
water springs at Matate and Colimbuna
springs. Make list to do the same at
Badger springs. Total bunnies seen: 21

4 adult males
6 adult females
2 yearling (sex unknown)
5 colts (sex unknown)
1 male colt
2 adults (sex unknown)
1 bunny (age & sex unknown)
21 total.

165.

21

Total # of sheep seen: 17
3 adult males (2 → 1/2 - 3/4 cul)
1 → 2-3 years)

6 adult females
1 yearling male
2 yearling females
1 male lamb
2 lambs (sex unknown)
1 adult (sex unknown)
1 sheep (age & sex unknown)
17 total

Returned to camp at 8:45, packed up
and returned to Topock at 10:30 am.

Weather Clear, Calm

High - 109

Low - 82

1/1 snakes etc. seen today!!

August 2 - Left Topock at 7:30 pm and
headed for Alkali Springs like planned
on sat. dinner at Cathran but everything
was closed!! Arrived in Alkali area
at about 9:00 pm and shared 1 can
of chile, 1 can of sardines and some
potatoe chips for dinner!! (Yuk)

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August 3 - Collected fecal samples (cattle)
for July & August and left for
Topock. Arrived at 8:00 a.m.
Left for Buckeye at 11:30 a.m.

August 4 - Phoenix

August 5 - Phoenix

August 6 - Phoenix

August 7 - Phoenix

August 8 - Left Mesa at 5:30 a.m. and
headed for Topock. Arrived at 11:15 a.m.
Left Topock at 7:00 p.m. and headed
for area just west of south Little
at 10:00 p.m. - (shot the shit with a
truck driver whose truck broke down, for
about 1 1/2 hours.)

Total Beavers & Skips seen: ZIP!!

August 9 - Left camp at 6:30 a.m. and
headed for area above Badger Springs,
while Mike headed for area around
Matate.

Total sheep seen: 11

3 adult males (1 → 1/2 - 3/4 cul.,
2 → 2-3 years old)

3 adult females

2 Yearling females

2 Yearling (sex unknown)

1 female (age unknown)

11 total

Total horses seen: 24

4 adult males

7 adult females

1 yearling male

2 yearling females

1 yearling (sex unknown)

1 male colt

6 colts (sex unknown)

2 adults (sex unknown)

24 total

Returned to camp at 9:30 a.m.

Weather - Clear, Calm - Breezy (SE)

High - 110

Low - 85

No unusual "Beasties" seen today!!

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August 9 (cont) At about 7:30 p.m. more
sheep and burros were sighted
from camp.

Total Burros: 3

3 adults (sex unknown)

Total sheep seen: 5

2 adult females

2 lambs (sex unknown)

1 sheep (age & sex unknown)

5 total.

August 10 Left camp at 6:00 a.m. - I headed
for Matate area while Mike went to
area above Badger Springs. Returned
to camp at 9:00 a.m.

Total Burros seen: 23

3 adult males

6 adult females

3 Burros (age & sex unknown)

2 Yearlings (sex unknown)

6 Colts (sex unknown)

3 adults (sex unknown)

23 total

Total sheep seen: 5

2 adult males (Both $\frac{1}{2}$ - $\frac{3}{4}$ culd.)
2 adult females
1 sheep (age + sex unknown)
5 total.

Packed up and returned to Topock at
about 10:15 a.m.

Weather - Clear, Calm
High - 109
Low - 83

No unusual "Beasties" seen!!

August 12 - Left Topock at 7:30 p.m. and
headed for Warm Springs. Gusting
winds and rain forced us to retreat
in the cab and corners of the truck.

Total burros seen: 7
1 adult female
1 colt (sex unknown)
5 burros (age + sex unknown)
7 total

Weather - Cloudy + Windy
High - 107
Low - 78

7
Saw one "Sidewinder" on the way in!!

Paggi, R.
1977

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August 13 - Left camp at 7:00 am and took jeep up East Warm-Springs Wash. Returned to camp at 10:30 am. At 6:30 p.m. drove to Upper and Lower Warm-Springs to check for Burros.

Total Burros seen: 66

13 adult males
19 adult females
5 Yearling males
5 Yearling females
1 Yearling (sex unknown)
1 Colt male
3 Colt females
6 Colts (sex unknown)
14 burros (age & sex unknown)
7 adults (sex unknown)
66 Total.

Weather - Partly Cloudy, Calm
High - 103 ✓
Low - 68

Heard a lot of coyotes at Upper Warm-Springs, but only saw one!!

August 14 - Left for mesa north of camp
at 6:00 a.m. Returned to camp at
10:00 a.m.

Total Burros seen: 35
3 adult males
11 adult females
1 male colt
1 female colt
8 colts (sex unknown)
4 adults (sex unknown)
7 burros (age & sex unknown)
35 total.

Left for Topock at 10:45 a.m. and
found a burro just SE. of Lower
Wain Springs. Burro was still alive
but rib and hip bones were protruding
through skin. Upon further investigation
it was found that his right hind leg
had been broken - bones sticking
out of skin! Leg had been broken
just above ankle and evidently
burro could not keep up with food
requirements and was starving.
Will put burro out of its misery &
take pictures.

1 Burro - Adult male.

Pueya, R.
1977

Journal

Weather - Clear, Calm

High -

Low - 77

No unusual "beasties" seen!!