Oct. 16, 1919
Left Washington, D.C., for Winslow, Ariz. 8 P.M.

Oct. 17-19
En route to Winslow, Ariz.

Met Paul N. Roberts of Forest Service on arrival at Winslow at 7 A.M.
Remained in Winslow, making arrangements for leaving tomorrow on elk investigation work. Royly, the ranger from Waters, R.S. was met in afternoon and is to take us out in his car tomorrow.

Oct. 21, Waters, R.S. in sitgreaves forest. (7500 ft.)
Left Winslow about 10:30 A.M. and arrived at Waters about 2 P.M. Took a walk near Station in afternoon and saw a place among rocks where firs indicated elk were census up during winter of 1917-18 as ranger saw them
signs in spring of last year. Elk, fort-worth was a very poor one, but no evidence according to Rowley that any elk starred. A good many moved down into grassy and in jumpin will east of Lennard Canyon.

Oct. 22 (Wed) Waters, R.S.

Made a trip about 3 mi. (16 round trip) to Lennard near where trail to left crosses, with Paul St. Roberts. We rode through the first four north of the canyon gradually to the spring of the canyon which is about 800 ft. deep at this point. Looking across the mouth of the canyon and down on the canyon was very opposite to the north however, down down. At this point a few jumpin (Jumpeon peak).
Jan. 9, 1920


Baggage arrived in afternoon & preparations were made to leave in few minutes by auto with Rowley—snow having melted & partly to come up with and Roberts and Shepard having gone out critic seeing if own and art stuck and somewhat foggy.

Jan. 15. Thurs.

Winston & Margarett R.S. 3:30 P.M. Rowley and I got up about 10 A.M. and found the road very heavy, about an inch of snow south came last night and wind had flown over into make my car yesterday level fell in its tracks. The sky clear and it became fairly warm, from writing a little annual at R.S. about 3 P.M. The station is located in the Pinyon pith on Chevulan Canyon.

Shepard and Roberts made a trip across to vicinity & done punch and back without seeing any signs of elk.

Of course numerous bands blocks were along the road or animals to near the station or places they
had thickly tracked up
the coast about twelve of
various kinds.

June 10th. Number of
Black-headed gulls were
about farm and canal at
Marquette, R.S.

While in woods, Swirl
went down on fence and
tracks close to canal at
Marquette.

Swirl saw another one run
flying near lower edge of
fir tree belt north of Marquette.

Jan. 16. (Fri) Marquette.

Marquette is along Chevalon
down to beyond north
fork of F基准 and below.

No elk noted. Shepherd
of Shepherd Roberts and I spent
day riding lower Chevalon
country. Saw many tracks
of various animals on snow.

which was melting in bright
warm sunshine today.

Ting. Many tracks run at
one place the head of a
rabbit was wrenched 17 full
feet. Swirl saw many

Sylvilagers. Many tracks
seen on below fox track
area in the fir tree belt, but
none seen today.

Ting. At me place an
Opuntia was seen berries
grazed by a jack rabbit.

Prepositions. Isle with fish
din streams cut through snow,
and tracks leading from hole
to hole or off & the means
Tracks were seen at various
points 2 miles north of
Marquette.

Ting. Tracks of beaver seen
in snow along top.
morn along Chiswell canyon
2 miles north of Marquette
at one place a big cat
had hung up a robin

Marine Musquon Lake
according to reports 300
deer were seen 2 1/2 mi.
north of Marquette and one
black wolf about 4 points
was seen.

Quills dropped and some
were along Chiswell near Marquette
about 4 miles north of Marquette.
Trinidad is prof. They formed
an extremity.

[Illegible text]

Jan. 17 (Sat.) Marquette
to camp at Alabarn Brown
ranch, at northwest Bank
Chiswell Butte.

Shepard Roberts and I left
Marquette and travelled along
west to vicinity of section
36 where we tracked many
deer tracks leading on
ever-crossing at all
directions. After following for
awhile we found nothing,
apparently the entire herd
had crossed a stream and
were able to determine by
count of tracks that there
were about 35 head.
The tracks had evidently
confused each other
Here one early morning.
Some tracks beside some foot
and within half a mile of
where we crossed the
draw we jumped the elk.
They were in family close
flocked and jumped and we
rolled up to within about 30
yards when these went
brightly on and broke and
ran. The follower down a
short distance and tried
to take unusual pictures. They
did not appear to be ski
wild or shy and probably
allowed risk to come within
right of them. One good
size bull was seen by us
and the rest appeared to be
cows including a number
about 2 years old after
seeing these elk we hunted
back to camp at Base of
Muiran Butte where we
arrived just at dark and
found our packer Tillman
had built a fire and prepared
supper in the lee of the
furn.
Many tracks of numerous
animals were seen on the
snow again today.

Felt. An interesting feeding
habit noted today was that
the animals walk round
branches of Yucca Baccata and
dear out leaves especially
those forming the shoots
with their teeth. The basal
portion is then chewed slightly
and discarded.

Leslie E. A. C. 10.1.20.
Another several large blacks
seen. Tracks seen in
various places.
The cattle round-up, Millman says that in rounding up cattle on the Dry Beaver district - Big Beaver to Leonard and run to north edge of forest 10-15 men in 45 locate about 50% of the cattle.

Jan. 18 (Sun.)

Wreathel Rocked

to vicinity of Sec. 26, trig A and back.
Roberts returned to Marquette.

This morning

Shepard and I were busy as indicated above on homestead.

Elk, Fresh tracks of two near Sec. 13.

There were many as though travelling most of time. Following these tracks we found where they had laid down in deep snow about 6 feet apart probably to feed the night. This morning they got up and travelled on in the same general direction.

Near Sec. 26 we saw fresh tracks of about 10 head of elk and saw some of them a cow and two young. They had been working around over the same ground.

Antilocapra Millman says he saw tracks of Deer 20 about 15 miles south of Window crossing the road in the snow on the 11th. In summer he says they range up to lower edge of Pines. Some antelope he thinks range west of the head also.

Willing in snowman, tracks of at least thrice, apparently large got down rain among junipers and Kings on or near Sec. 35 in back.
came up. Fourth elk in ten places. lost. I noticed where elk had been chaffing the branches of the railroad. They walk close around many junipers and juniper trees half newly do not feed upon them but feed on the ground under them.

Pater dormitium. A few seen about farm at Marquette Jan. 16.

Martia. Cold, wind, very day, but overcast this evening.

Jan. 19. (Mon.) Lienzwell Ranch (near Chuvalo Butte) to camp on draw in Sec. 10 east of Willow Creek.

Shepard and I left Lienzwell Ranch and took road west to Dane Ranch where we crossed Dane Canyon and burned country southward between Dane Canyon and Willow Creek. Crossing Lienzwell Draw we continued south along a draw to where 10 east of Weiner drew where we were stopped at 9 P.M. to stop and spend the night in the open. Lienzwell Draw which we had intended to follow to Lienzwell Ranch was crossed by mistake and most of the draw to its west was traversed after dark with some difficulty. Elk near Dane Ranch made several days before in the snow on a small bank. Indefinite number of elk were seen. In the angle or point between Dane Canyon and very quick horses 6 head went down in the wash and 2 others about 2 miles.
TheGotth, froni near the
beach, I drove toward to the
mouth of Cedar Lake, several
centuries of sale made
some near all along it, very
over its natural canal
with a fairly dense growth
of Juniper and Juniper. We
estimated that at least 60
are probably growing on that
portion. A number of places
were near where elk had
covered trees, teachers,
now grows from
innumerable places with
tall
brush and shrubs.
In several places there had
been old trees of Juniper
trees, occasionally with their
roots. One Juniper about
3-4 meters in diameter with
another, smaller ones branching
from it near the ground.
North wind completely blown.
Stop at Canyon and William's. 

Canyon, William's and another place. 

Then we proceeded to another point. 

We followed the map outline and the water. 

The river and the spring field. 

Mountains were visible. 

Two miles from the river. 

We continued for two miles. 

We reached the spring field. 

The mountains were visible. 

We continued on foot. 

We reached the spring field.
A truck was followed 71 to the ranch. Present were ten or

presents coming in recently, and

first of them, they are

becoming pretty well known.

In afternoon we

could a trip on foot to the

miles; to the same extent

area west of the desert.

Elk. Its altitude is a

few above sea level, on the

tops. The trees are just

rocky; the ranch, probably

in the area of the

rangers. First noticed from

tracks to Fay and others there

looked to be just outside about

in the ground. In the area

forest where the men

saw and transients in.

"..."
Jan. 19 (Fri.) Crestwell Ranch.

Peculiar, low, fine moon and snow at Crestwell Ranch is melting very fast, and much return springs are running down drains this afternoon, 6 by 6 foot, snow under ground 6 inches deep. Snow not yet gone from many places, in warm and difficult for hours to tramp on.

Jan. 21 (Wed.) Crestwell Ranch to lower end of Sand Draw and return. Sheppard and I make a trip about 15 miles down Sand Draw and back along cabin draw.

Jan. 22 (Thurs.) Crestwell Ranch to Walton R.S.

Just north of Crestwell Ranch. Meleagris. Saw signs in a number of places, 10 miles north of Walton R.S., no signs seen anywhere along road south of Crestwell Ranch.

Jan. 23 (Fri.) Crestwell Ranch, 29er denim.

Horses seen at mile 10.
crossing road, but not nearly so many as we count north of Cloverwell Ranch. A few cattle braved some of small drifts in snow.

Snow melting off rapidly in morning but definitely north of Cloverwell Ranch, but little thawing today between Cloverwell and Walton just enough to soften the snow. Snow much deeper near Walton. Sky overcast and weather threatening.

Jan. 23 (Fri.) Walton
RS to Big Cloverwell & return.
Shedford, Tillman & I went a little over noon there from the station to the edge of Cloverwell Cottonwood and back round trip about 15 miles. Snow was soft and

this made it rather hard going, but we found the snow about enough for walking through the snow which in places was 18 inches deep, leaving some slopes, however, bare.

Sick. No signs seen anywhere.

Medicated. Few birds of about 15 in a field at Tom Dyar Ranch and as we came near the house now abandoned for the winter 7 were seen running up the hill.

Examination showed that they had been scratching in the hay around the hay in the barn.

Slight nausea, lameness and active running. The price in motion traveled. Many things are now going out. In places
air cut and strong falling
and project flames to
the snow, shattering. Numerous decaying
sprigs along Alcabin, and
this night seen.

Weather squarely, a little shelt.

Jan. 24 (Sat.) Walls to
to camp near Willow Creek below
Mount 9 cabin draw. Left Walls and passed
snowslide and gaining on
Mount 9 cabin draw camp
near Willow about a mile
below the mouth of cabin
draw on east side.

Snow fresh tracks of 10 shot
which had crossed Cabin
draw about a mile N of
Tuttle 35 Ranch. A few
other fresh tracks near along the way.

Jan. 25 (Sun.) Camp on
Wells Creek.
Made a trip today on
horsback across Willow and
worked out Jones between
Wells and Willows, crossing
Creek. Saw fresh tracks of
4 west of Walls Creek but
dog counted up one cow
which we tried to photograph
on the brink near us near
the trail crossing.

Agenda. One went up
flying on west side of
Wells Creek.
Acanthus linearis, 2. Passer
must and we both and checked
reef among trees and went
side of Willow Creek.

June 26. Mourned on
Willow Creek and shipped
make a trip in first noticed
collected and worked out well
on the upper end Willow
and Blackmore Canyon.

Great perfected. The common
among fowl and
Willow Creek.

The car, in a position
in Blackmore Common.

Dryopteris st. monticola
been known. Juice and terms
among fowl.

Squaw Creek going
among fowl.

June 27 (Sun.) Camp on
Willow Creek.

Make a long walk northwest
on trail down across Willow Creek.
Blackmore Canyon and seen...
east side of Bernard Canyon, Victoria Trail.


Dear, Joe, about 12 head, 34 different places.

Jan. 28 (Wed.)
Went back camp to Margaret's, RS.
Left camp on Willow Creek and rode through the brush on the lower part of the Margaret.