

*Record*

25

1880  
Jan 1st  
to  
Jan 31st

1880

Oct. 16, 1919

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

Oct. 17-19

En route to Winslow, Ariz.

Oct. 20. <sup>(Mon)</sup> Winslow, Ariz.

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

Oct. 21. <sup>(Tue)</sup> Waters, R.S. on setcreans 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 ferns indicated elk were held up during winter of 1917-18 as ranger saw the

signs in spring of last year.

Elk. Last winter was a very severe one, but no evidence according to Rowley that any elk starved. A good many moved down into grassy area in juniper belt east of Howard Canyon.

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

Made a trip about 8 mi. (16 round trip) to Chivelon near where trail to Heber crosses, with Paul H. Roberts. We rode through the pine forest descending gradually to the rim of the canyon which is about 800 ft. deep at that point. Looking across we could see into the mouth of Long Tom Canyon, and Silver Pine Canyon was nearly opposite, its mouth however, lower down. At this point a few junipers (Juniperus sp.),

Lawsonia, Garrya grow here along the rim, mixed with or growing close beside yellow pines, Robinia and other Transition zone species.

Elk. Rowley says fight cattle and horses away from salt of which they are very fond. Suspected of going horses. Plenty of permanent water on ~~Permanent~~ summer range, but not on winter range.



-13

Jan. 9, 1920

Left Washington, D.C., 7:55 P.M. on 9 and arrived Winslow, Ariz. 7:30 A.M. Nov 13. Was met on train at Albuquerque station by the 12 by Paul H. Roberts and Ward Shepard of District Foresters office. Paul Rowley snowed in at Winslow - snow 8 inches by measurement on the level. My baggage did not arrive and this caused some delay.

Jan 14, Winslow, Ariz.

Baggage arrived in afternoon and preparations were made to leave in the morning by auto with Rowley - snow having melted and settled to some extent and Roberts and Shepard having gone out this morning. Sky overcast and air thick and somewhat foggy.

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Jan. 15, Thurs.

Winslow to Marquette R.S. 30 miles. Rowley and I got off about 10 A.M. and found the road very heavy, about an inch of fresh snow came last night and wind had blown the ruts made by car yesterday level full in places. The day cleared and it became fairly warm, snow melting a little, arrived at R.S. about 3 P.M. The station is located in the Pinyon Belt on Chevalon Canyon.

Shepard and Roberts made a trip across to vicinity of Dove Ranch and back without seeing any signs of elk.

Odocoileus. Numerous large blocks seen along the road at intervals to near the station. In places they

had thickly tracked up  
the snow about bushes of  
various kinds.

Junco thomasi, Numbers of  
black-headed juncos seen  
about barn and canal at  
Marquette, N.S.

Sylvia n. montana, Several  
seen on fence and  
bushes close to canal at  
Marquette.

Actitis macularia, One seen  
flying near lower edge of  
Juniper belt north of Marquette.

Jan 16. (Fri) Marquette  
Marquette to along Chaudiere  
to north to beyond west  
corner of forest and return.  
No elk seen. Skipped  
Shepard, Roberts and I spent  
day riding lower Chaudiere  
country. Saw many tracks  
of various animals on snow

which was melting in bright  
warm sunshine today.

Lepus, Many tracks seen at  
one place the leap of a  
rabbit was measured 17 full  
feet. Several were seen  
→ Sylvilagus, Many tracks  
seen close to each  
other in the Juniper belt, but  
none seen today.

Lepus at one place an  
Oryzopsis was seen partly  
grazed by a jack rabbit.

Perodipus, holes with fresh  
but thrown out through snow,  
and tracks leading from hole  
to hole or off to the nearest  
bushes were seen at various  
points 2 ~~to~~ miles north of  
Marquette

Fyns, Tracks of several were  
seen in snow along top of

wax along Chevalon Canyon  
2 miles north of Marquette.  
At one place a Bob cat  
had torn up a robin.

Canis, numerous tracks  
Canis, Tracks of several  
seen were seen 2 to 6 mi.  
north of Marquette, and one  
a track with about 4 points  
was seen.

Sciurus hudsonicus, one  
seen from Chevalon Canyon  
about 4 miles north of Marquette.  
Mus mus prop. many seen  
everywhere.

Castor, well. One seen  
along Chevalon near Marquette.  
Lynx baileyi, Urocyon and  
small disturbula.

Sialia curruc One ~~seen~~  
sitting in cedar tree near  
Marquette.

Buteo swainsoni Three

seen ~~to day~~ 2 to 6 miles  
south of Marquette,  
Procyon, Tracks near  
Marquette.

Jan. 17 (Sat.) Marquette  
to camp at Albion Creswell  
ranch at northwest base  
Chevalon Butte.

Shepard, Roberts and I left  
Marquette and travelled mainly  
west to vicinity of section  
30 where we struck many  
elk tracks leading on  
cross-creeks in all  
directions. After circling for  
awhile we found evidence  
apparently the entire herd  
had crossed a draw and  
were able to determine by  
count of tracks that about  
were about 35 head.  
The tracks had evidently  
undoubtedly been made



here in early morning.  
 Some birds broke very first  
 and within half a mile of  
 where we crossed the  
 trail we found 5 or 6  
 They were in family groups  
 junco and junco and I was  
 made up to within about 30  
 yards when those nearest  
 sighted us and broke and  
 ran. We followed them a  
 short distance and tried to  
 take several pictures. They  
 did not appear to be very  
 wild or shy and apparently  
 allowed us to come within  
 sight of them. One good  
 sized bull was in the  
 and the rest, appeared to be  
 cows, including a number  
 of about 2 years old. After  
 seeing these elk we turned  
 back to camp at base of  
 Apvalm Butte where we

arrived just at dark and  
 found our packman Killman  
 had built a fire and prepared  
 supper in the lee of the  
 barn.

Many tracks of numerous  
 animals were seen on the  
 snow again today.

An interesting feeding  
 habit - and today was that  
 the animals walk round  
 bushes of Junco barcata and  
 tear out leaves, especially  
 those growing on the center  
 with their teeth. The basal  
 portion of stem chewed slightly  
 and discarded.

Arctophaga and Junco  
Western. Several large flocks  
 seen.

Junco. Tracks seen in  
 various places

Cattle round-up. Illman says that in rounding up cattle on Forest of Cleveland district - By Cleveland to Leonard and some to north edge of Forest 10-15 men in 45 beats about 50% of the cattle

Creswell Rich

Jan. 18 (Sun) ~~to~~

to country of ...

... returned to ... this morning.

... and 7 ... indicated above on ... tracks ... near Sec 13 ... There were ... travelling ... where they had ... in the snow about 6 feet apart probably to ...

night. This morning they ... tracks of about 10 head of elk all saw three of them, a cow and two young. These had been ... around over the same ground.

Antilocapra. Illman says he saw tracks of deer 20 about 15 miles south of ... on the 11th. ... edge of ...

Melospiza ... tracks of at least three, apparently large ... near ... Sec. 35 in ...

corner of Fourth

Old Indian places  
~~where~~ I noticed where  
 old had been cropping the  
 branches of Leonurus  
clavatus. They were long  
 and many juniper and  
 juniper trees, but apparently  
 do not feed upon them but  
 feed on the ground under  
 them.

Procerdromedon, a few  
 seen about barn at  
 Yaquitta Jan. 16

Weather clear, warm  
 sunny day, but somewhat  
 cooling.

Jan. 17 (from Council  
 Bluffs (near Cheyenne Falls) to  
 camp in draw on the 10 east of  
 Willow Creek.

Shepard and I left Council  
 Bluffs and took road

to Dave Ranch where we crossed  
 Dave Canyon and crossed  
 country southward between  
 Dave Canyon and Willow Creek,  
 crossing Cedar Draw we entered  
 a draw about a mile to section  
 10 east of Willow Creek where  
 we were obliged at 9 P.M. to  
 stop and spend the night in  
 the open. Cedar Draw which we  
 had intended to follow up to  
 Council Bluffs was a mistake,  
<sup>about 6 P.M.</sup> and most of the draw  
 to the west was unproductive  
 work with some difficulty.

At Dave Ranch both  
 made several days before in  
 the mouth of a small but  
 infinite number of all were  
 good. In the night we found  
 between Dave Canyon traces  
 many fresh tracks of 6 head  
 and some on the mesa and  
 2 others about 2 miles to

the south. From near the  
 head of Dove Canyon to the  
 mouth of Cedar Draw several  
 recent tracks of elk were  
 seen near all along the way  
 over the river. Several  
 with a fairly dense growth  
 of juniper and juniper. The  
 animals had at least 20  
 and probably more in this  
 section. A number of plants  
 were seen where elk had  
 torn up Yucca borealis as  
 noted elsewhere. <sup>They were</sup> ~~They were~~  
Yucca borealis and Yucca  
 In several places will be  
 found branches of juniper  
 trees, evidently with small  
 leaves. One group - about  
 3 inches in diameter with  
 several smaller ones branching  
 from it near the ground  
 had been completely broken

downward, many branches  
 broken off by elk and  
 many the small twigs left  
 standing 2 or 3 ft high. At  
 a number of places it was  
 noted that 2 or 3 elk marks  
 were together, but single  
 tracks frequently cross - cross  
 in all directions were all  
 one evidently seeing the range  
 evidence accumulated with  
 it are widely scattered  
 through the juniper and  
 juniper belt in the northwest  
 corner of the reservation  
 at this season. From where  
 the first tracks of elk were  
 seen a <sup>fresh</sup> mountain lion track  
 was seen leading toward  
 canyon. The track was  
 the same as seen in  
Felis. Fresh tracks of a cat  
 were seen, looking toward  
 canyon from the same direction

the canyon and lower  
canyon

Some tracks were seen  
number of places in the  
ground in the canyon and  
lower canyon and below  
them.

Caliche, Artemisia, Trifolium  
were seen at frequent  
intervals in the scrub about  
the canyon and the ground  
and scattered to the north  
of lower canyon. At a point  
near the head of the canyon  
and west of the Red Hills  
of 6 were seen possibly  
both Artemisia and Trifolium  
forming a bush. There were  
occasionally numerous in this  
area.

Melospiza: Empidonax  
near the mouth of lower canyon.  
They did not appear to be  
so very wild, but were off

them we flushed and  
within 20 yards they were  
gone and the birds in  
the canyon were silent.

Transition zone, the ground  
from upper canyon to Transition  
zone was the result of lower  
canyon, the same but tracks were  
seen in Artemisia, Trifolium,  
and Melospiza in a number of  
places slightly lower. There  
were some Artemisia and  
and some were marked by an  
spots, especially on the slopes.

we established camp on  
lower canyon to the west of  
and Artemisia Trifolium Melospiza  
patch.

Shepard and I continued  
from our camp on our draw  
to Carroll Ranch, from point  
on draw we traveled  
west to the wagon road

which we followed it to the south. Crossed into the prairie country to the west and back into the hills. The afternoon we made a trip in boat on the river to the north. The water was very high. No signs of life in the prairie. A few birds were seen near the mouth of the river, probably waterfowl. In the afternoon we went to the north. A few birds were seen near the mouth of the river, probably waterfowl. In the afternoon we went to the north. A few birds were seen near the mouth of the river, probably waterfowl.

North of the gravel bank saw a few tracks among yellow pines south of Gravel bank. Arvicola. Saw a few tracks among yellow pines south of Gravel bank. The water was fairly numerous in several places just west of the river where Upper and Transition beds. Lynx. Common among yellow pines near Gravel bank. Sitta pygmaea. Common among yellow pines just north of Gravel bank. Characteristic notes heard in various places along the way, at least 4 miles to the north. Sitta carolinensis. <sup>and</sup> seen and notes heard about 4 miles south of Gravel bank.

Cervus C. macrotis, found  
near lower end of Sand  
Draw. Urocyon also seen  
Jan. 19 flying over mouth  
of Sand Draw.

Sheep, has been out  
warm and snow at lower end  
of Sand Draw is melting very fast  
and much water is running  
down draws. The  
afternoon, sky slightly overcast.  
Sand boggy in many places  
and snow is difficult  
to get horses to traverse.

Jan 21 (Wed.) Tereswell  
Ranch to lower end of Sand  
Draw and return.

Shepard and I made a trip  
of about 15 miles down Sand  
Draw and back along bottom  
Draw.

Ulk. Saw a few fresh signs  
in various places, some of them

just north of Tereswell Ranch,  
Meleagris, Saw signs in  
a number of places, especially  
where they had been shot.  
Turkeys evidently are wintering  
here in fair numbers.

Sheep, Warm today  
with considerable melting,  
but not so warm as  
yesterday.

Passy returned to Tereswell  
Ranch today.

Odocoileus Many deer signs seen.

Jan. 22 (Thurs) Tereswell  
Ranch to Walters R.S.

Left Tereswell Ranch with  
entire outfit and moved  
about 10 miles north to  
Walters R.S.

Ulk. No signs seen anywhere  
along road south of Tereswell  
Ranch.

Odocoileus, A few deer  
tracks seen at intervals

crossing road, but not nearly so many as we saw north of Chewell Peak. leaves, a few coyote tracks seen at intervals in snow.

Snow melting off rapidly in Canyon Belt yesterday & north of Chewell Ranch, but little thawing today between Chewell and Water, just enough to soften the snow. Snow much deeper near Water. Sky overcast and weather threatening.

Jan. 23 (Fri.) Water R.S. to Big Chewell & return. Shepard, Tillman & I made a trip in snow shoes from the station to the edge of Chewell Canyon and back, round trip about 15 miles. Snow was soft and

this made it rather hard going, but we found the snow shows much easier than attempting to walk through the snow, which in places was 18 <sup>or 20</sup> inches deep, ~~the~~ leaves some, slopes, however, bare.

Sik, No signs seen anywhere. Melospiza. Saw tracks of about 15 in a field at Tom Dyer's Ranch, and as we came near the barn, now abandoned for the winter 7 were seen running up the hill. Examination showed that they had few scratches ~~in the top~~ around the hole in the barn.

Squirrels, common and active among the pines in section traversed. Many twigs are now being cut. In places



twigs bearing leaves above  
are cut and stems falling  
tend to bury the heavy ones  
and project plume-like  
from the snow.

Ericoides, numerous seen  
along Abnashon, and  
the usual ones.

Weather squally, a little sleet.

Jan. 24 (Sat.) Waters to  
the camp near Willow Creek below  
~~the~~ <sup>mouth</sup> of Cabin Draw.

Left Haines and passed  
Crowsville and going on  
down Cabin Draw camped  
near Willow about a mile  
below the mouth of Cabin  
Draw on east side.

Elk. Saw tracks of 10 head  
which had crossed Cabin  
Draw about a mile N. of  
Crowsville to Ranch. A few  
other fresh tracks seen  
along the way.

Lepus, One seen among  
pines near mouth of Cabin  
Draw.

Sylvilagus, One <sup>among pines</sup> seen near  
mouth of Cabin Draw. Snow  
had melted off.

Snow. Little left in pine  
belt.

Jan. 25 (Sun.) Camp on  
Willow Creek.

Made a trip today on  
horseback across Willow and  
worked out point between  
Willow and Wilkins Canyon.

Elk. Saw fresh tracks of  
4 west of Willow Creek and  
dog rounded up one cow  
which we tried to photograph  
on the brink near where  
the trail crosses.

Aquila, One seen  
flying on west side of  
Willow Creek.

*Acanthis livaria*. 2 sparrows  
with red on back and cheeks  
seen among pines on west  
side of Willow Creek.

June 26 (Mon) Camp on  
Willow Creek. Set traps  
Make a trap on foot, some  
collected and worked out first  
trap. A relation, Nelson  
and his family came.

*Perisoreus canadensis*, *S. pusillus*  
among pines and juniper  
west of Willow Creek.

*Turdus carolinensis*, *C. v. carolinensis*  
*Pyrrhuloxia*, *Corvus*

~~*Melanerpes formicivorus*~~

*Dryobates monticola*  
seen among pines and  
among junipers.

*Empidonax traillii*, *T. traillii*  
common among junipers  
in a small grove  
along the banks of

*Z. macroura*,  
*Asula chrysostoma* seen  
flying along Willow Creek Canyon  
*Alcedo*, saw one very  
large hole with large hole  
in it on Willow Creek.

*Myiobuteo*, *Common* nests  
attended *thickly*, a nest  
high pitched chirp - chirp, you  
up - up. After given first  
chirp on the top of a  
juniper or juniper.

*Aphelocoma woodhousei*, *Blue*  
seen on juniper near  
confluence of Bear and Willow  
Creeks.

*Merula m. prop.*, *Common*  
- juniper sites  
seen here with a lot of *thickly*

June 27 (Tue) Camp on  
Willow Creek.

Make a trap with traps  
on banks of Willow Creek  
Willow Canyon and some of

west side of Leonard  
Canyon <sup>at</sup> Victoria  
Trail.

Saw saw old signs of  
a bunch of papers 25  
miles of Williams Canyon and  
a few tracks west of  
Leonard Canyon.

Deer. Saw about 12  
head in 4 different  
places.

Jan. 28 (Wed)

Willow Creek camp to Marguerite,  
R.S.

Left camp on Willow Cr. and  
rode through the timber on the  
lower part of forest to  
Marguerite.







150

152

153

675



