

① U. S. Department of Agriculture.

FIELD DIARY

OF

Mr. E. A. Goldman

Aug. 30 - Sept. 13, 1921  
(Official title.)

Oklahoma (Wichita Nat. For.)  
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D. F. Houston  
Secretary of Agriculture.

8-2887

Aug. 30, 1921 - (Tue)  
Left Wash. D. C. 12:10 p.m.  
for Wichita National Forest,  
Oklahoma. In train all day  
en route to St. Louis, weather  
quite hot. Arrived at Cincinnati  
where about 3 hours were spent  
in the evening and a Mr. Meloy  
of the Bureau of Markets and  
a friend rode over the town  
Aug. 31 (Wed).

Arrived St. Louis in morning  
at 7:35 and left at 9 over  
Frisco Lines arrived Monett,  
Mo. 5:55, here Pullman travel  
facility included and we were  
obliged to late day coach  
to after where Pullman  
first was secured about  
9:30 P.M.

Sept, 1 (Thurs)

Woke at Oklahoma City 7:15  
A.M. where I had breakfast  
with Mr. Meloy and Mr. Holst  
and took day coach to Cache  
arriving about 1:37 P.M. and was  
met at the station by Frank  
Ruth, Forest Supervisor of the  
Wichita Nat. Forest and  
Game Reserve.

Was driven over a section  
of the Forest and out to  
north near post Meers.  
P.O., reached Supervisor's  
headquarters in evening.

Wichita Hills appear  
first soon after leaving  
Cache as low but rather  
prominent, rounded eminences  
on the right, rising above  
interminable rolling country  
largely covered with  
spruce, fir, and  
other conifers. At first they  
were rather dimly visible  
through blue haze, but  
as they were reached  
in the vicinity of Ft. Hill  
they appeared rather  
sturdy timbered and rocky  
to top.

Met at Cache by Mr. [unclear]  
[unclear]

Went to [unclear] [unclear]  
this morning [unclear] about  
a month of [unclear]

Prunella grass seed to  
be the sweetest even by the  
Rush, fresh good and thick  
in good condition.

Post oak - a very common  
tree affording shade and  
some - never best for  
timber -

Buttwood - com. along streams.

Quail - Have increased since  
Rush, as we - so be camp. They are  
attracted to fields of pagoda cane  
Indian corn and other crops  
along the forest edges where  
they are shot in numbers  
by Indians and the Indians  
eat them all in the fall  
to about extent all through  
the winter. Last winter you  
could walk the forest  
and have fed some of them

on the forest, even frequent  
is generally abundant and affixed  
by patches of young post oak and  
sassafras and other bushes. Wild  
sunflowers are common and  
other weeds should furnish an  
abundance of food also some  
kinds of <sup>corn</sup> apt to be ~~found~~  
left in fields.

Nestings - Nest - among rocks  
<sup>mainly</sup> oak leaves (fresh oak)  
cedar and oak sticks and  
grass - with a few freshly  
cut sticks of Schinus -  
<sup>several</sup> ~~some~~ sections (3 or 4) of the  
latter had been cut and  
peeled and the bark had  
been eaten.

Sept, 2 (Fri), Wichita  
Nat. Forest.

Weather. Sky overcast and  
a very light shower early  
in morning - clearing later  
and became quite hot, but  
good breeze blowing.

Brahmalo: Mr. Retz has  
succeeded in crossing a  
Buffalo Bull with a Brahma  
cow, the offspring being a  
fine bull a year old  
in July this has now  
a good sized enlargement  
of the shoulders or hump  
extending back in a gradually  
lowering line to his tail  
and suggests that a  
valuable cross breed might  
be developed.

Several short trips were



near headquarters, and they  
are not at all wild, for I  
miting one to approach on  
horseback in some instances  
to within 20 yards before  
becoming much alarmed.  
During the heat of the  
day flocks were found  
standing in the shade of  
small oak trees, when forced  
to leave cover some were  
panting owing to the heat,  
although they had just been  
standing still. When approached  
slowly they moved out of  
the shade and a few began  
looking for food picking  
here and there in the  
grass, but they appeared  
to avoid the direct sun-  
light as much as possible.  
Mr. Rush estimates the number  
of turkeys at 150 but Mr.

Bewithorn tells me the  
ranges in the Fort place  
their numbers at sun 500.

Sept. 3, (Sat)

Experimental pasture. Would  
take in 2000 or 2500 a

acres. Fox squirrels are  
already feeding upon pecans  
which are abundant especially  
above W. Leache Lk. Fragments  
of partly eaten nuts are  
scattered on ground under  
trees.

veg. Big Narrows of W. Leache  
Lk. a rocky narrow canyon  
black walnut, pecan, cottonwood,  
willow, oak, "gultonwood, jack  
a foot oak cedar (on dry sides),  
ledges, Crataegus, etc.

Most of day spent in  
examining conditions along  
lower W. Leache where conditions



are good for game -  
Good and shelled plentiful  
But little game there now  
owing to numbers of summer  
campers.

Meleagris, About 10 of a larger  
one nesting in shade of oak  
and walnut trees along W. Lake  
Ck. All of these old gobblers which  
appear to be a pair of one  
hen and egg. at this season.

Mallard Ducks, Said to remain  
in numbers throughout the  
winter. The birds rest during  
the day wherever there is  
water and go foraging  
in the surrounding country  
at night. One year when  
acorns were abundant a flock  
of these birds was seen  
feeding upon them. This is  
the most abundant duck.

Sept. 3. con  
Pintail duck, a few pintails  
remain throughout the winter  
also with the mallard and  
Grease. One species grows  
in meadows along slopes on  
meadows where its growth  
is associated with soil  
conditions.

Bitter of cal. 2 o seen along  
along canyon of lower N.  
beache.

Leather pegs, common along  
cliffs and among big boulders  
along lower N. beache. One  
heard singing about 12 P.M.

Quail, shots being made by  
squirrels, but beginning to fall  
and evidently were injured.  
Am told that this means there  
will be little or no crop this  
year, about one good crop in  
5 years.

Sept. 14  
- Weather threatening in evening - thunder and lightning on horizon and rain in showers far away.

Sept. 4 (Sun.)  
Nichele Game Reserve,  
Morning bright and clear,  
Sylvilagus, common now  
among the fairly dense growth  
of red bush on hills. Said  
to be very scarce some years.

Lepus, a few jackrabbits  
seen in open country along  
edges of forest.

Procyon, a few seen in  
open country at lower elevations  
especially open prairies on  
Forest.

Cedar, when planted is  
easily started and Mr. Bush  
has established several dense  
stands in this way which  
will afford cover for game.  
This would burn readily, however,  
and the fire rangers to such  
stands should get.

Sept. 5 (Mon.)

White Game Reserve.

Weather clear and warm.

Went up into Buffalo Pasture.

Buffalo's cows, first buffalo  
not with was 'Old Sweet'. She  
was lying at 10 A.M. in  
grass near top hill. This  
buffalo is 23 years old  
according to Rush and in  
the past has been a fighting  
animal with generally bad  
disposition. She is rugged  
and undomable in type.

A number of the cows in  
the herd which are fighters  
are her offspring. Rush thinks  
she is a detriment to the  
herd. She had a calf last  
year and has had calves  
more than half the time  
and most of her calves are  
ruined she is in poor condition

Sept. 5. con.

at this time.

Elk, Bulls in winter usually separate from cows and younger animals, in fact they seem to be a seasonal organization. Deer lie in grass during day, on account of freedom from flies, this secured at this altitude in this region in summer.

Elk, Three cows, one spike buck and a calf started from the shade of a clump of oaks near Gradwa flat. They ran up on a hill-side about 200 yards away and after turning and watching us curiously for a moment one of the cows started off with her nose lifted in characteristic elk fashion, and the others followed one behind the other, the spike

Sept. 5  
Took third in the line  
and the calf with to the  
last.

Mississippi Kite, a least 20  
of these birds were seen  
soaring about at one time  
about 10 a.m. over the vicinity  
of Gramwa Flat this morning.

Buffalo. - about noon we came  
upon the main herd in Antelope  
Flat. Here many were lying down,  
but a part of the herd was  
standing up. The largest Bull  
in the herd was a six year old  
that permitted us to approach quite  
near and then made a short  
charge at us. Some of the cows  
are cows and one made a short  
charge. My horse accustomed to  
Buffalo wheeled and was very  
quick to make away, after  
a short run the Buffaloes turned

Sept 5 con.

Back to the herd, soft soil is  
rolled up in spots and the  
huffs & roll in the dust.  
When they roll they go over  
until the hump strikes the  
ground & with a distinct hump.  
Puck says that in fighting the  
gulls frequently some each  
others shoulders scraping off  
a tuft of hair which when the  
horn leaves the skin near  
the top of the shoulder, projects  
a tuft of hair directly upward  
8 or 10 feet in the air. They  
often roll as a challenge.

Elk - One gull seen walking  
along side of hill along  
bellis canyon at 4 P.M. He was  
walking away from us but finally  
turned and so we saw him in  
a moment ran off over the  
hill. Several small groups

Sept. 5 con.

Of cows and yearlings with  
several calves also seen.

Wrens. A black bear seen  
in a cliff along Kellie's  
canyon quickly dropped down  
when Mr. Park threw a stick  
at it. One perhaps 4 or 5 years  
old to the west.

Elk. Late in evening we saw  
a bunch of 15 elk, mostly bulls,  
but a few cows feeding with  
them in the open country only  
about a mile from Rye's Camp.  
Some of the bulls had horns already  
smooth, but one of the largest  
was still carrying strips of velvet  
especially on the backs of his  
antlers. Also we saw over  
50 head of elk in the valley.



Sept. 6 (Tue.)

Nichols Game Preserve, Ariz.  
Weather, a slight rain last  
night - heavy thunder showers  
not far away.

Fire. Grass in Buffalo  
preserve coarse, tall and  
becoming very dry and Mr.  
Puck says will often burn  
as early as July. When this  
accumulated grass burns it tends  
to kiln rotstocks and destroy  
the forage for several years.  
The buffaloes do not eat the  
coarse grass, but suck it  
swallow finer grass near the  
ground. The large accumulation  
of grass is also a nuisance to  
game as if hummed by <sup>such a</sup> fire  
as it would make could not  
easily escape. It ~~forms a~~  
makes so large a fire that

Sept. 6 (con)

Mr. Puck says no living animal could pass through it. Some definite plan is needed which would minimize the fire danger.

Mt. Lion. Mr. Puck does not believe there are any on the Forest.

Wolves. A number of wolves occurred formerly but Puck put out poison and they disappeared.

Made a trip up into <sup>Buffalo</sup> cow pasture with boys about where some elk were seen and returned by way of Panther bk. and journal some days for dinner at Buffalo Lodge.



Sept. 6. con  
condition which should be  
prevented if possible by isolating  
them in a separate pasture.  
Bush thinks this an important  
measure <sup>in the</sup> winter valley for Buffalo  
Hog track. About 10 a.m.  
a loose flock of about  
100 birds drifted past in  
a southeasterly direction  
as observed from a rocky  
hill in the Buffalo pasture.  
Buffalo. Bush says Bear  
Fox (Buffalo and on the box  
of Amer. Brown Egg) was killed  
several years ago - he was the  
first bull for a number of years  
and Bush estimates that 8 out  
of 10 of his calves were hinds  
while calves from females  
were largely bulls.

Sept. 7 (Wed.)  
Made trip down to reservoir  
site.

Sounding hole. About 150  
ft. long, 50 ft. wide and  
in deepest part 6 to 7 ft.  
Formerly a much favored  
duck hole, but no longer  
used in account of numbers  
of quills that cover it.

Dam site. This is located  
on lower W. Lake Ck. and would  
submerge house located to  
campfire and camping ground  
in the midst of good game  
country, formerly the source  
of much deer. Rust says  
that about 1000 campfires have  
been in place during the  
summer and that much of  
the game has nearly all been  
driven out, Looking over

Sept. 7 con.

the ground it appears that  
moving the water to this  
higher level proposed by  
the 1930's project would  
raise the water at most points  
to rather steep margins. A  
lower bay, say 2000 project  
would provide a nesting  
place for many ducks and  
the reservoir would  
probably have more gradually  
sloping shores affording better  
conditions. Ducks would be  
able to walk about on  
shore which would become  
covered with a heavy growth  
of grass and in the shallow  
water, <sup>created</sup> aquatic vegetation  
would grow, judging from  
conditions observed at Medicine  
Park.

Sept. 7 (con.)

Proposed experimental buffer strip  
Area to be included in pasture  
would be between 2000 and 2400  
acres extending west to  
include main road and  
general area as far as creek  
etc. This would be bound on  
one side by a rocky ridge  
which would form part of  
fence.

The "Report on the Proposed  
West Valley Land and Soil Survey  
Bureau, Wisconsin Nat.  
Forest, by Ralph R. Bendall,  
Nov. 16, based on survey  
made in May 1916.

Cost at 1440 - value line  
upper side of 76. with raising  
72 acres - 2000 acres etc. at  
\$46800 this would be about  
about the smallest thing to

Sept. 7, con.

consider, this would be  
at widest place about  
1/4 mile wide. It seems to  
me that the cost of putting  
in a dam would be out of  
proportion to the benefit to  
migratory waterfowl that  
would be derived.



Sept. 8. (Thurs.)

Wichita Game Preserve  
The one next and <sup>in morning</sup> christening  
just clearing later in day.

Boys. Two - for traps  
as Thomas & Brands show  
well as Mr. Park demonstrated.  
By number several of  
the best date young bull  
examined today had apparently  
been captured ~~and~~ but is  
fat and in good condition.  
This bull should be sold for  
beef.

Camping ground. A short  
distance above headquarters  
good public camp grounds  
are located where there  
is ample shade, largely of  
elm trees, wood and water  
for camp use and a fine  
view of the pool <sup>is</sup> afforded.

Sept. 8 con.

water of all depths to over a  
man's head.

~~W. W. W.~~ One of the rangers  
Ed Allison tells me he saw  
a skunk on the road one  
day, but spring carrying  
his iron mouth a part of  
a trap, ~~was~~ which I  
had evidently taken from  
a nest, not far away.  
According to him, skunks  
like young chickens but  
from under trees at  
night. Believed to ~~be~~  
destroy many nests and  
kill many young lutescens.  
No trapping last winter  
and now abundant here.  
One or more seen nearly  
every day in riding out  
range.

Sept. 8 con.  
Elk, according to Allison  
there were about 125  
head last winter, and  
there appears to have been  
a fair calf crop. In riding  
over range today several  
small bunches were seen,  
including calves. Three bulls  
were seen as they ran  
over a hill. Elk usually  
run about as soon as  
they sight us ~~at~~ at  
regardless of the distance.  
If several hundred yards  
away they may watch  
us for a moment before  
running. This afternoon  
several came out and  
stayed on some ~~rocky~~  
granite boulders against  
the sky line where they

set of 8. Cox, as  
were as prominent and  
somewhat rugged  
mountain shif.

Sept. 9 (Fri.)

Weather foggy, but dry in

Exp. Buffalo Park, In re  
this see letter of Grand Duch  
to Fowler, "4 - Dick and some  
Wichita Buffalo Co.!"

Buffalo. Size of calves  
given on length of time they  
suck. Some of best calves are  
not weaned for 14 months or  
more - these being calves  
whose mothers do not calve  
every year. Bulls up to  
4000 lbs. and some  
have been killed, several  
sometimes combining or more.

Sept. 9 am.

15. Buffalo herd. This pasture  
of about 2500 a. would include  
about 640 a. of a first-  
class Buffalo range near  
figure 5a. should be allowed for  
each animal. this would  
furnish a capacity of about  
124 animals.

Antelope pasture. This is an  
area of about 320 a. near  
where they would  
have excellent feed and  
plenty of water and could  
be kept under observation.

Buffalo herd. Treacherous and  
dangerous. and should be kept  
away from the herd for  
at least one week. Much to be  
done to a full extent.

Sept. 9 am

Friday, around noon, I  
and [unclear] [unclear] [unclear]  
[unclear] (Pest) came up  
and drew the bull off  
after him. As we were in  
[unclear] house was knocked  
down and injured by a bull  
and Bohan escaped by leaving  
the house and cutting it  
a piece.

Antelope pasture. This was  
looked over today and seems  
excellent for the purpose as it  
includes five pastures and  
water in abundance.

It is reported to have been  
by Mr. Pest and I was lying  
when some peacocks came  
when we were within a few  
yards ran out and off, landing  
along in clumsy fashion. This

Sept. 9. am

animal was of a deep reddish  
color, having dark brown  
on head and spotted along  
sides.

Quercus tree. Bark very hard, &  
is eaten on by wild turkeys  
and squirrels, but to give  
rather better taste.

Turkeys, found feeding  
upon acorns and  
nuts.

Corvus amicus, common.

Megascops, found in open  
country up to about 1800 ft.  
at least.

Noted in the reservoir  
Podiceps podiceps  
Podiceps  
Solitary and  
A...



Sept. 9 car.

*Ceryle alcyon*, (com)

*Sitta carolinensis*,

*Nycticorax nycticorax*,

*Pardaliparus carolinensis* - 1

American magpie

*Lanius excubitorides*

Sept. 10 (Sat.)

Buffalo, last year 28  
calves, this year 17 calves.  
Rush estimates that cows  
calve only every other  
year on average, and  
the first calf is born  
3 to 4 years, some cows  
however calve nearly every  
year.

Buffalo (Plans for handling  
herd) See imp. letter by E. W. M.  
to Potter P. G. M. - Bison  
Wichita Game Preserve Feb.  
10, 1920. Also see in I.S.  
files imp. letter by Rush  
concerning history of game  
on Wichita D- Fourk Plains  
Wichita (Game section).

<del>Elk - (From Mr. West)</del>		
<del>1488 <sup>of which</sup> 4</del>		
<del>high leaving 10.</del>		<del>Total</del>
<del>1909 -</del>	<del>1</del>	<del>1</del>
<del>1910 -</del>	<del>1</del>	<del>6</del>
<del>1911 -</del>	<del>1</del>	<del>1</del>

Sept 11 Sun.

Worked over Buffalo and elk  
meadows with Mr. West.

Ducks. Am told that ducks  
in Foulton Reservoir remain to fly  
near the middle and when  
chased out fly straight  
up and over on to Mount  
Scott, over Mt. Scott so  
close that hunters in the  
park have killed them by  
stationing themselves on the  
top. A few of the ducks

Sept. 11 con

would furnish a very nesting  
place for a nest of any kind,  
but the cost would probably  
be out of proportion to the  
benefit to be derived.

Exp. Buffalo Pasture with  
part of the range and would  
make a good range for deer, elk  
and turkeys, the rugged hill  
part would be a good place  
for mt. sheep. The mountain is  
low and it is one of the best  
winter ranges on the Fort.  
The more open prairie section  
lying along the low mountain  
would attract buffalo until  
they could be driven by  
vicious, through the fence.  
Des. By Park in the "E-Field"  
Wade on Buffalo Pasture." There  
should be enclosed by woven

Sept. 11 con

wine of the same kind of which  
the present garden is built  
Perry's estimate of cost \$5000.

Engineering - Buck believes  
that 700,000 and 800 bulls  
are the maximum to be stored  
there in view of past tests  
this is also all range and  
there is the fire insurance  
considered and feed in winter  
is a consideration.

Dam site - Randall's report  
states that dams with a  
height of 52 to 101 ft. would  
cost from \$32,500 to 175,000.  
The minimum required  
would probably be a dam  
flooding 72 a. at a cost of  
46,800 which would offer  
less water for the  
of construction.

Sept. 11 con.

Made trip in afternoon and look'd  
over proposed buffalo pasture,  
examined ~~the~~ Upper Narrows  
of Snake Creek late in evening.

Buffalo - elk fence: made by  
Putzelman Bros, Muncie, Ind.  
Should of heavily galvanized  
special wire top, bottom and  
intermediate line wires No.  
9 and stay wire wt. less  
than No. 14, No. 12 might  
be better. Style of wire like  
that in old buffalo pasture.  
This fence should be at least  
72 in. high.

*Thryomanes bewickii* Wild turkeys became  
extinct on Wichita Forest  
about 1910. Said to feed  
on pear nuts especially.  
During deep snow of last

Sept. 12 (Mon)

Notes

which reached a depth of  
12 or 15 inches with burrows  
in numbers gathered in  
the vicinity of Buffalo  
headquarters where they  
were fed oats and  
Kaffir corn.

Buffalo, according to  
Rusk they root in snow  
to uncover feed.

Quail, feed extensively  
on corn acorns. Just now  
they are feeding <sup>apparently</sup> on  
grasshoppers.

Mephitis, four seen  
moving about camp  
ground in daylight.

Sept. 12 am.

While I was watching three  
a fourth came walking  
along and stopped for  
a moment within 6 ft  
of me.

Bubs, heard calling  
this and nearly every  
other evening here.



Sept. 13 (Tue.)

Nichita Game Preserve.  
Made a trip to Stanton to see  
some Douglas in re of beaver  
7 birds and other game which  
was provided by the State  
Game Commission. Sept. 15

Beavers. Buck says that  
in 1909 a turkey nest was  
found by a ranger out for  
Horn Buffalo head quarters, but  
was blown up apparently by  
a stump which ate the eggs.  
Turkey is entirely disappeared  
1910 and were reintroduced  
in 1912.

Camp site. A good camp  
site exists on West Creek  
which would be nice if  
of the beaver. Supplies beaver  
water would beaver  
come from a well which

Sept 5, 1928  
could easily be seen from  
the mountain, I believe  
skunk was trapped in 1919  
on the mountain, but owing to  
the change of the mountain  
later in 1928 and the  
probably account for the  
great skunk now existing,  
I'm going about on it  
it is one or more are  
usually seen by them. They  
run away from a clump  
of brush or willow near  
the house and the dogs  
of Buffalo dog have an  
interest in them every  
day or two, as they come to  
the house.

*Faded handwritten notes at the top of the page.*

*Vertical handwritten marks or numbers on the left side of the page.*

Grape wine (Dutch receipt)

Mashed grapes, stems & all  
 and left to work 3 or 4  
 days and draw off juice  
 and put into pail in  
 which to ferment, add  
 about 1/3 water to skins to  
 get out all juice, add 1  
 lb. sugar to gallon of  
 juice and let ferment  
 until fermenting stops

Kept at from F.S. photos.  
 Files Nos. as follows:

- 37719 a
- 3777 a
- 38670 a
- 40034 a
- 39998 u

~~and Otis Wade  
 ...  
 ...  
 ...~~