

U. S. DEPARTMENT OF AGRICULTURE  
BUREAU OF BIOLOGICAL SURVEY

Form Bi-689

FIELD DIARY

Mr. E. A. Goldman

(Official title.)

Period, Sept. 2 to Oct. 11, 1926

Montana-Wyoming-Idaho  
Arizona (Kaibab)  
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*Bacillus necrophorus*

Sept. 2, 1926  
Left Washington D.C. 6.50  
A.M. for Annapolis, Md.

Sept. 3, en route  
Arrived Annapolis 3 P.M., left  
8.10 A.M.

Sept. 4 - Annapolis  
Arrived Annapolis about  
10.30 A.M.

Sept. 5 - Annapolis  
Left 11.05 A.M. for Annapolis, Md.  
Spent most of day with  
State Game Warden Wm. S. Sanders,  
discussing game situation.

Sept. 6 En route to  
Annapolis - arrived in ~~city~~

Sept. 6 con.  
evening at Billings, Mont. Left  
Billings for Helena 11.48 P.M.

Sept. 7 Helena, Mont.  
Arrived Helena 7.10 A.M.  
Attended meeting Montana  
Sportsman's Association. Met  
Messrs Glen A. Smith etc Pres  
M.S. Carpenter, Sec. Robt. H. Hill,  
state Game Warden, C.A. Jakway,  
Thos. E. Marlowe, Geo. E. Mushbach,  
R.E. Bateman, Mr. Wilson, Com.  
at Livingston and many others.

Sept. 8, Helena, Mont.  
Meeting Mont. Sportsman's Assoc.  
continued.

Sept. 9, National Bison Range

Left Helena early in morning  
at arrived at ~~Moore~~ <sup>Deer</sup> at 12.24  
where I was met by Frank H.  
Rose and taken to Moiese

In afternoon made trip to  
substation where mountain  
sheep feeding pen was inspected.  
Fence construction good and it  
is evident that sheep are  
already using passover made  
for them. They are coming in  
for salt, some feed and water  
left there. Late in evening  
we visited Nine Pipe Bird  
Refuge where thousands of  
ducks, mostly mallards, were  
seen. Also a few shore birds  
largely greater yellow legs.

Sept. 10 National Bison  
Range, Mont.

Rode horseback over higher  
part of range and inspected  
elk trapping lanes and corrals,  
Good construction, Rose, however,  
showed me places where elk  
had torn their way through  
fences. Probably higher in places  
than was necessary, but left  
weaker in others than was  
advisable. Elk trapping in  
general seems to have been  
very successful but elk had  
to be rounded up and driven  
in. Usually small numbers at a  
time were captured. They were  
very suspicious of gates of which  
there are <sup>about</sup> 50 in the trapping  
equipment. This seems a large

Sept. 10 con.

number, but gates in many places are very important. Elk moved down the hill to trapping corrals slowly, but were captured with little difficulty. Sawing off of horns was comparatively little trouble.

Sept. 11

Trip to east side of range to examine forage conditions in Alexander pasture. Grass forage indicator Festuca scabrella is still living ground there especially at the lower elevations <sup>which include</sup> ~~on~~ areas much favored by buffaloes.

Sept. 12, Nat. Bison Range, Mont.  
Spent day in examining forage  
conditions on range in company  
with Glen A. Smith, Asst. Dist  
Forester in charge of grazing.

Sept. 13, Nat. Bison Range,  
Mont.

Trip to west side of Bison  
Range and over part of area  
favored by mountain sheep.  
Saw about 40 including a dozen  
lambs of this year. Rose estimates  
sheep at 50.

Sept. 14, Bison Range to  
Missoula. Drove with Rose to  
Missoula to see W. E. Custer and  
negotiate sale of 75 buffaloes.

Sept 15, Missoula and en route to Yellowstone Park,

continued Suffolk sale negotiations with Webster and in morning visited silver black fox farm about 3 miles out of town.

Rose returned to Morris in afternoon and I took 5:55 train for Gardiner.

Fox farm, about 300 foxes are kept at the farm where they appear to be thriving.

Sept. 16, Yellowstone Park, awoke this morning at Livingston train left at 9 and arrived Gardiner 11:15 a.m. Reached Yellowstone Park Hdqrs about 12:15 and had brief talk with Supt. A. M. Albright, also met



Sept. 16 con.

Longman Fran (spelling doubtful) who appears to be interested in wild life and Indians.

Worked up mt. near Hags in afternoon. Aspens largely rich yellow and ~~leaves~~ leaves falling fast. Aspen groves seem to be illuminated by light-colored leafage on trees and ground. In aspen groves are wild rose, and snowberry thickets also turning to yellow, and leaves falling.

Reek Albright mentions 20000 as possible number in northern end.

<u>Moors</u> , Albright's estimate	600
<u>Ht. Shag</u> " "	600
<u>Black bears</u> " "	250
<u>Gizzly</u> " "	75

Sept. 16 con - <sup>about</sup>  
Buffaloes (tame herd) <sup>about</sup> 800  
Buffaloes (wild herd) Number not definitely  
known as they live in little wooded  
section in ~~the~~ N.E. part of Park.

Samuel J. Woodring, Chief Park  
Ranger came in late in evening and  
I discussed general conditions with  
him and Asst. Chief Park Ranger  
Greer.

M.P. Skinner was met and  
spoken to at mess, but I did  
not see him again. He is again  
in Park Service uniform and doing  
some work on game.

Buffaloes - Woodring told me he  
considers the meat of little value  
and would like to shoot about  
175 - take off the hides and leave  
the meat none sold by P.S. but some  
animals crated and delivered F.O.B. at  
about \$85 per head.

Sept. 16 con.

Elk. Woodring tells me he has  
order for 60 to deliver to State  
of Arizona at cost of delivering  
F. O. B. Gardiner. The cost he  
estimates will be about \$6 per  
head.

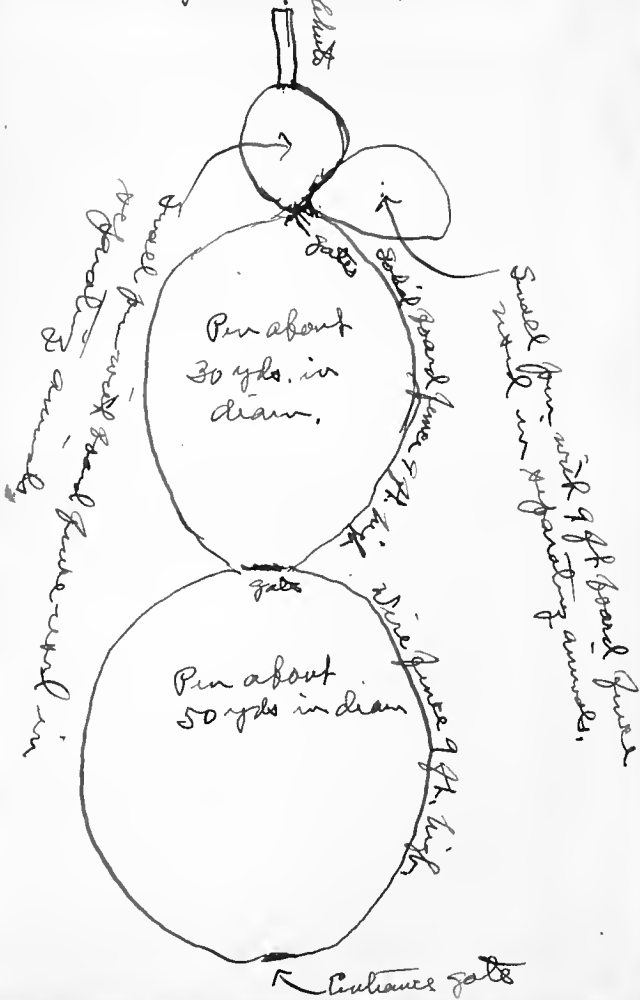
Sept. 17, Yellowstone Park  
Advs. to Jackson, Wyo.

~~Sept. 17, Yellowstone~~

Early in morning visited elk  
capturing corrals near headquarters  
with Woodring. These are simple  
but appear to work well in outline  
as follows: See next sheet.

~~HB~~

Sept. 17 con.



Sept. 17 con,  
Left Yellowstone Park Hotel  
with Richard Wiggins and Jack  
Eynon for Jackson about 9 A.M.,  
stopped for lunch at Old  
Faithful which we saw playing  
twice.

Park nearly deserted, few cars on  
roads.

Day fine, but partly overcast,  
Aspens, Rich yellow contrasting  
sharply with <sup>dark</sup> green background of  
conifers.

Elk, None seen.

Mule deer, Seen in several places  
close to road where they allowed  
us to pass within a few yards.

Supper at Moran.

Sept. 18, Jackson, Wyo.

Oliver P. Nelson, Reservation Warden,  
met me early in morning and  
day was spent in going over  
parts of hay lands and in con-  
sideration of general refuge matters.

Trip was made to northern section  
of Refuge and looked over Isaac  
Walton League lands.

Hay crop. Nelson tells me our  
own hay crop ~~will be~~ <sup>is</sup> over 800  
tons. Hay from Isaac Walton League  
lands is 273 tons. Crop from  
latter would have been larger  
if some parts had been  
cultivated. These lands are largely  
gravelly and of low forage production  
unless well taken care of. Nelson  
is topping out our old stacks with  
new hay to prevent water from

Sept. 18 con.  
entering old holes.

Sept. 19 (Sun), Jackson Wyo.

Spent most of day fishing <sup>what</sup> in morning with A. P. Nelson to Snake Run at place several miles below town where we waded some of the Snake River channels and as the water was low fishing should have been good, but they were not biting freely. Only one small fish was landed by me but ~~then~~ was hooked and escaped. In evening we went out into the swamp on Flat Creek on the Refuge and a fine trout about 16 inches long was taken by me. Weather fine.

Spent evening with A. P. Nelson

Sept. 20 (Mon.) Jackson  
to Pocatello, and en route Nampa

Morning spent in attending  
to routine matters, including  
a short talk with R. C. Miller  
and shortly after noon started  
with A. P. Nelson by auto  
to take train at Victor,  
Left Victor 3 PM.

Arrived Pocatello about 9 PM

Left Pocatello 11.30 PM.



Sept. 21 (Tue.) Nauvoo, Ida.  
 arrived Nauvoo 8:15 AM train (late).

Called up W.E. Mc Gee, Deputy  
 U.S. Game Warden and State Game  
 Warden who came to my hotel.

In afternoon trip was made with  
 Mc Gee to Deer Flat Bird Reservation  
 for general inspection and determination  
 of advisability of eliminating certain  
 lands applied for. Visited the  
 office of Reclamation Service and  
 examined charts that enabled me  
 to locate lands, and it appears that  
 that are of the same character as  
 closely adjoining lands that were  
 eliminated, and there seems to be no  
 good reason for their retention.

Met the mayor and a number of  
 members of the Nauvoo Rod and Gun  
 Club.

Sept. 22 (Wed.) Nampa, Ida.  
Made a trip to Deer Flat Bird  
Reservation with W.E. McFee  
and Mr. Spear and two other  
members of the Nampa Rod and  
Gun Club to inspect on the  
ground and consider a ~~suggestion~~  
opening of part of the Reservation  
to shooting.

Sept. 23 (Thurs), Nampa, Ida.  
Made trip to Boise and conferred  
with Dick Thomas, State Game  
Warden. Had very satisfactory  
conference. Mr. Thomas offered to be  
of any assistance to us and ex-  
pressed the hope that the Public  
Shooting Grounds bill would pass.  
attended a ~~conference~~ at noon at  
meeting of Kiwanis Club. In evening  
attended meeting of local sportsmen

Sept. 23 con.  
at which a proposal of opening of  
parts of Deer Flat Bird Res. was  
discussed. Sentiment was strongly  
against it.

Sept. 24 (Fri),ampa, Ida.  
Made another trip with W.C.  
McGee, this one to Snake River  
where we examined a number  
of islands in the river that  
might be suitable as a bird  
reservation. On some of these Canada  
geese, ducks, especially mallards, and  
herons breeds. McGee says that  
are many of these islands  
extending from far above here to  
points below Boise.

Sept. 25 (Sat) Nampa, Ida.  
to Gooding, Idaho.

Left Nampa, Ida. 10.15 A.M.  
arrived Gooding 3 P.M.

On annual leave at Gooding  
Idaho. 3 P.M. Sept. 27 to  
10.56 P.M. Sept. 28

Sept. 28 (Tue.) Gooding  
en route to Ogden. Left Gooding  
10.56 P.M.

Sept. 29 (Wed.) Ogden, Utah  
Arrived Ogden 7 A.M.

Spent day on routine, saw Arthur  
Pearson Evans, and Thompson of  
Forest Service.

Sept. 30 (Thurs), Ogden to  
Maryvale, Utah,

Left Ogden 6:30 A.M.

Snow on mountains down in  
places to low elevations.

Good. Noticeable that snow  
reached down on some of the  
mountains to line of divination  
near lower edge. It is  
apparent to be fir exposure  
there.

Arrived Maryvale, Utah 4:20 P.M.

Left Maryvale 5:30 P.M.; arrived  
Panguitch, Utah 10:30 P.M.

Oct. 1 (Fri), Panguitch  
to Kaver, Utah.

Left Panguitch 10:30 AM, arrived  
Kaver 3:30 PM.

Saw Forest Supervisor G. W.  
Mann and started arrangements to  
proceed to Kaibab country.  
Met Judge Woolley who told  
me much concerning early  
history of grazing on Kaibab  
Plateau.

Oct. 2 (Sat.) Kaver, Utah.

Routine of arranging trip.

Oct. 3 (Sun), Kaver to  
Ryan. Ben Swapp came and  
in afternoon we made trip by auto  
to Ryan, 28 miles,

Oct. 4 (Mon.) Ryan on  
V.T. Park and Greenland Plateau.  
Left Ryan by auto 10 a.m. traveling  
to Big Sp. 7 mi. where we stopped  
to see six fawns brought up by  
Swapp and now being fed five  
alfalfa hay and whole oats twice a day.  
Deer kept in enclosure of several  
acres. Reached V.T. Park about  
1 P.M.

Deer. About half a dozen  
were seen on the way to V.T.,  
all in good condition. On the  
top of the Plateau we found  
that the deer had evidently  
already gone down to the  
lower levels, and we were  
told at V.T. that very few  
had for some days been  
coming out in the Park.  
The deer left the top about

Oct. 4 am.

Oct. 1<sup>st</sup> when a storm left  
about 4 of snow a little  
of which remains. Deer  
are said to have been out  
at V.P. in large numbers  
during the summer and  
that was off. pretty about  
a 100% fawn crop. ~~if~~ fawns  
about equal in number to  
does.

Greenland Plateau. In  
afternoon we went part way  
down the plateau. Forage  
is still much better there  
than on the main Plateau,  
but is being destructively  
browed, as shown by  
absence of much of the  
more accessible leaves on



Oct. 4 con

shrubs and trees favored,  
Lower branches of aspens,  
Forbes scopulina, and  
kinrickinick are close browsed.  
White firs are being browsed.  
We saw one group of 10  
bucks and 1 doe, all in  
fine condition.

Returned to A.P. later in evening.

Deer at Bright Angel  
R.S. we saw about 15 deer  
out in the clearing. Frank  
Winters the ranger told us  
the usual number appeared  
during the summer the  
largest being about 28 out  
one evening. Swaff tells  
me that on Aug. 4 he and  
several other forest officers

Oct. 4 con.  
counted 1242 deer in U.P.  
alone, which extends for  
a little over 8 miles along  
the highway.

Hunting camps. Established  
at South Canyon R.S., Pine Flat  
and Big Saddle. At both the  
latter places water has to be  
hauled. Open season Oct. 1<sup>st</sup>  
started with about 25 men  
the limit in each camp, but  
at present camps are running  
with smaller numbers of hunters  
on hand. \$250 is charged by  
F.S. for Federal licenses the  
money to be used for expenses  
of administration. State has  
representations on the ground.

Oct. 5 (Tue.) V.T. Park  
to Ryan.

Returned by auto from V.T.  
to Ryan via Jacob's Ledge  
and the north end of the  
mountain. Weather cool. A  
heavy frost at V.T. - and ground  
frozen on the surface.

Deer. The only ones seen  
today were a doe and 2  
fawns a short distance  
from Jacob's Ledge. Trip today  
bearing out our observation of  
yesterday that the deer are  
nearly all off the mountain.

Salage. V.T. Park has been  
browed very close. The white  
clover seems to be still a good  
stand but grazed to the  
ground, being perhaps in part

Oct. 5 (cont.)

to dry weather and frost it does not appear very healthy. Few green leaves can be seen. Grass has been browsed very close, but there are some seedling stems. It appears surely over-grazed to me. General area is ~~over~~ very destructively browsed or overgrazed north to Big Springs Ridge. Beyond that point where grazed by sheep there is much less evidence of destructive grazing or browsing.

Pinus. Little pine browsed in numbers south of Big Springs Ridge but less so to the north on sheep range.

Oct. 5 (con.)

Ribes, a thornless species  
grew as high as deer can  
reach north of V.P.

Oct. 6 (Wed) Ryan to  
Big Saddle,

Left Ryan about 8.45 A.M., arrived  
Pine Flat shortly after noon, dinner  
at Pine Flat and then we met  
Geary who is in charge of  
lands in the Dist. office and  
Dr. Huffman of B.A.I.

Deer, only a small number, perhaps  
25 were seen by us, mostly does  
and fawns, but some hunters who  
came over the road early in  
the morning reported counting  
98 between Ryan and Pine Flat  
camp. At Pine Flat camp we

Oct. 6 con.

Found that all hunters were killing them ~~in~~ very quickly and the same was true of hunters at Big Saddle. Hunters went out early in morning and nearly all had their deer before noon. Most of the big bucks are in good condition, some quite fat. Nearly all does seem to have one or two fawns with them and it seems evident that there was a very large fawn crop, probably at least 100% of the number of mothers.

Forests comparatively light utilization as far south as Pine Hollow, but abruptly heavy in most of country to the southward. A particularly noted however it

Oct. 6 con.

that there is still very very  
uneven utilization. On flats  
some times on bottoms and  
sometimes on tops of hills ~~are~~,  
*Schweitzeria*, and *Sericea* being  
heavily browsed, but adjoining  
areas, especially along draws  
may be comparatively little  
browsed.

Oct. 7 (Thurs.) Big Saddle  
over Towals ~~mountain~~ range and  
return.

Left camp about 8.30 AM and  
spent day in Towals range, making  
somewhat circular round going  
south near rim of canyon to  
near Little Saddle and returning  
near Indian Hollow.

Deer. A number of deer, perhaps  
30 were seen during the day.

Oct. 7 (con.).

mostly does, but there were also a few bucks, most of them in fair condition, but some of the does and fawns were thin.

Forage, Strongly impaired by progressive destruction of forage. Tree line still more apparent. Pines still little browsed, most of them on winter range standing in heavily browsed areas are still apparently untouched, but occasional trees standing along side untouched trees are cropped along as high as deer can reach easily which is about 5 feet. Much of the cliff rose is now dead and what is left made little growth this season. In another year or two much of that remaining



Oct. 7 (con.)

will be killed. Sage brush now very hard hit, and a good deal of it already dead and much of that left has made very slight growth. Concentration areas have greatly extended. Habit of browsing by preference the low areas, being steep sided canyons comparatively little crossed is very apparent. <sup>such as feeding on acorns</sup>

Hunters. Those at Big Saddle camp have been getting the Indian canyons and most of the bucks killed are fat.

Oct. 8 (Fri) Big Saddle to  
Ducking Asp.

Left Big Saddle about 8:30 am and arrived Ducking Asp. about 12 miles about 12:30. Rode in afternoon over Swamp Point country.

Oct. 8 (con)

General area severely browsed.

Deer. Very few seen along route today. It is evident that most of the deer are off the higher parts of the mts.

Forage. Perhaps the hardest browsed country was seen in the vicinity of Swamp Point. Many shrubs that were severely browsed last year, but still alive are now dead. They include many of the smaller locust trees that deer can reach the top of, and sand white firs are many of them killed. On white firs deer have a tendency to browse to the most of the point within the easiest reach, leaving lower branches below giving the tree a codden - wanted appearance. Palates?

Oct. 8 con.

Ceanothus velutinus are killed to the ground but a few small sprouts are trying to come up from the roots. Symphoricarpos is much of it killed and what not killed is so severely browsed that ~~it~~ <sup>much more of it</sup> will be dead next year. Elderberry bushes are scarce, but are evidently quite palatable for deer and are browsed as high as deer can reach. Pseudotsuga is browsed to some extent.

Oct. 9 (Sat.) Making camp to Powell Plateau and return.

Rose early and spent day on trip well down into Piute-jumper belt on Powell Plateau. A good trail has been built by

Oct. 9 am

Pack Service across Powell  
Saddle and a cabin built in  
the Saddle.

Deer. Several were seen, but  
evidently not very numerous  
now in the <sup>swamp</sup> bog of Powell Plateau.  
Tracks of deer a day old as shown  
by their fresh appearance after  
rain and of others still fresher  
made apparently the day of our  
visit followed the new trail  
down from Swamp Point into  
the saddle. This suggested to  
me that there might be a  
movement of deer under way  
from Swamp Point down into  
the Powell Plateau country.

Forage. General forage in  
<sup>much</sup> worse condition on winter range

Oct. 9 am.

on Powell Plateau than in June last year. Much of the cliff rose, then still alive, is now dead. ~~the~~ Much of the cliff rose within reach of the dead is now dead having mainly the trees with high tops alive. Many junipers are severely browsed. Manzanita bushes (smooth leaved species) are in places killed to as high as a deer can reach. In other places severely browsed and nearly dead. In some other places still untouched.

Oct. 10 (Sun.) looking up to Ryan 31 miles.

Return to Ryan on horseback as far as Big Springs where we found S. B. Locke working on the deer trap. Stopped to talk with him

Oct. 10 con

while Ben Swapp continued with the horses and pack outfit to Ryan and I was taken to Ryan later by Toabe in his car.

Forage in many places along road today small pines were seen, not only topped by deer but defoliated, and some already dead, others will be dead in a short time.

Oct. 11 (Mon.) Trip to Pine Flat by auto to secure modern pictures of browned vegetation. and drove to Kanab in evening