

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 Berkeley Wyo.

Sept. 3, en route
Arrived Cal. 3 P.M., left
8.10 P.M.

Sept. 4 - Berkeley
Arrived Berkeley about
10.30 P.M.

Sept. 5 - Berkeley -
Left 11.05 P.M. for Alhambra, Nev.
Spent most of day with
Flete & Miss Helen V.A. Sanders,
discussing game situation.

Sept. 6. En route to
Alhambra - arrived in ~~morning~~

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
there 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 ~~Moiese~~ ^{Deer} 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 ^{about} 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 ^{which include} ~~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 Boise 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.

Walked 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 herd.

Moos. Albright's estimate	600
Mt. Sheep	600
Black bears	250
Grizzly	75

Sept. 16 con
Buffaloes (tame herd) ^{about} 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 \$75 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.

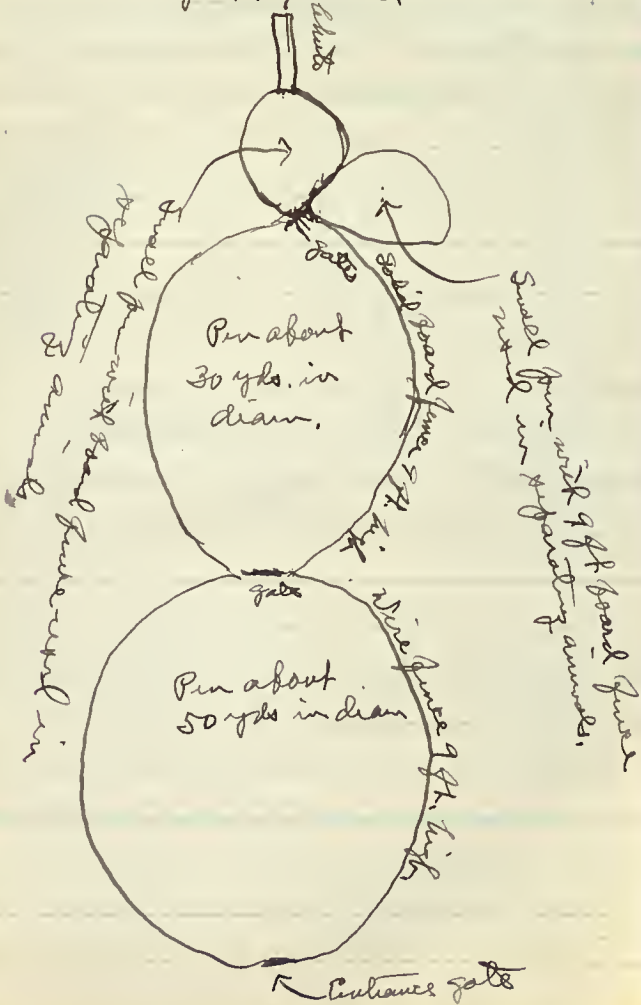
Sept. 17, Yellowstone Park
Advs. to Jackson, Wyo.

~~Left Gardiner~~

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 ^{dark} 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~~ ^{is} 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. Went
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.
Another fine.

Spent evening with A. P. Nelson

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

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 P.M.

Arrived Pocatello about 9 P.M.

Left Pocatello 11.30 P.M.

Sept. 21 (Tue.) Nauvoo, Ill.
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 view 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. MacFar
and Mr. Spear and two other
members of the Nampa Rod and
Gun Club to inspect on the
ground and consider a suggested
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 an ~~open~~ 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 Dub Flat Bird Res. was
discussed. Sentiment was strongly
against it.

Sept. 24 (Fri),ampa, Ida.
Made another trip with W.C.
Mc Gee, 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. Mc Gee says there
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
Marysvale, 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 disintegration
near lower edge of what
appear to be fir exposure
traces.

Arrived Marysvale, Utah 4:20 P.M.

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

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

Left Panguitch 10:30 AM, arrived
Kays 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.) Kays, Utah.

Routine of arranging trip.

Oct. 3 (Sun), Kays 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 oat 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. 1st 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 apparently 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
browsed, 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
Kinnickinick 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.T. 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 ^{at}
one evening. Swaff tells
me that on Aug. 4 he and
several other forest officers

Oct. 4 con.
counted 1242 deer in V.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. 1st
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. This today
bearing out our observation of
yesterday that the deer are
nearly all off the mountain.

Salage. V.T. Park has been
flooded very close. The white
cloudberry 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.

Pines. 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. (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 deer 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.

Forest comparatively light utilization as far south as Pine Hollow, but abruptly heavy in most of country to the southward. A peculiarly 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* very
heavily browsed, but adjoining
areas, especially along draws
may be comparatively little
browsed.

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

Left camp about 8.30 AM and
spent day on Sawtooth 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 improved by progressive destruction of forage. Leaf line still more apparent. ^{Pinus} still little browsed, most of ^{them} on winter range stand in heavily browsed areas are still apparently unbleached, but occasional trees standing alongside unbleached trees are cropped ^{down} 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 lower areas, being stay sided canyons comparatively little crossed is very apparent.

^{such deer feeding on acorns}
Hunters. Those at Big Saddle camp have been getting the deer easily and most of the bucks killed are fat.

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

Left Big Saddle about 8:30 am and arrived Duckwing 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 several white firs are many of them killed. On white firs deer have a tendency to browse but the most of the point within the easiest reach, leaving lower branches below giving the tree a sketchy washed appearance. Perhaps ?

Oct. 8 con.

Ceanothus fruticosus 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~~ ^{much more of it} 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

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

Deer. Several were seen, but
evidently not very numerous
now on the top 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
~~much~~ ^{poor} condition on winter range.

Oct. 9 con.

on Powell Plateau there 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 leaving
mainly the trees with high tops
alive. Many junipers are severely
browed. Manzanita bushes (smooth
leaved species) are in places killed
to as high as a deer can reach.
In other places severely browed
and nearly dead. In some other
places still untouched.

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

Returned 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 motion pictures of browned vegetation. and drove to Kanab in evening