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INSTRUCTIONS.

Every officer or other employee of the Department of Agriculture conducting work while traveling will, so far as practicable, keep a diary in which will be recorded, under an appropriate date entry, a concise statement of all important matters pertaining to such work and also of any general matters that may be of interest to the Department.

This diary will be retained by the official preparing same, but will be subject to call by the administrative officers of the Department at any time.

When this book is filled another may be secured by application to the Chief of your Bureau.

D. A. Houston
Secretary of Agriculture.
July 1, 1922
Left Washington 6:10 A.M. for Bismarck, North Dakota
and other points for field work.

July 2. Arrived Chicago 3 P.M. at P.C. & P. 9:45
for Minneapolis 6:20 P.M.
C.M. & S.P.

July 3. Arrived Minneapolis 11 A.M. Went to University
Museum and identified
in lengthy project for Ell Part
4:15 P.M. Arrived at
4 P.M. Out to Meadowlake to
Gen C. Hill's to
Sunday Church and Henry
Bailey.
July 4. Ate at Clagley Bailey's. Ford flying squadron ~ Martin bombs! [Ed. note: 17 C-17s from Hunterdon C. illuminated, got notes on war old or weights from Bernard Bailey.]
Sundary
July 5. Rainy holiday tried to dig out ground squirrels but so rainy and cold they would not come out. Could not find them.

Grey and chipmunks drew stockades. Got much new information. Gold boys cut in a way to advantage espousing lows of ground squirrels, gophers, flying squirrels, gray squirrels etc.
July 6 - Left Elk River
10:20 a.m. on local train
caught N.P. train at St. Cloud at 11:24 a.m.

Has been very rainy & wet & cold, but cleared off with wonderful change in the fresh green earth, cool & crisp.

Detroit, Minnesota is a beautiful lake region with large & small lakes of all sorts, numerous islands, swamps, deciduous & pine woods - a natural reservation - Canadian style. An ideal place for our farm experiments, especially for orchard & farms. West of Detroit for hours we saw small lakes & streams & woods.
with abundance of coctails, including daily pools of rich, simmering pool. And stairs for servants. A good chance for her experiments. A place for the ladies to join in a private room.

Readied Bismarck 11:30 P.M.
Grand Pacific Hotel.


First Sweet. Fruit from a Marysville, California, tree. Found a bull snake in pot that was large. Full grown pot. A rattlesnake. We made it. Stuffed it with ground corn. Found a large bush and built a nest for the bull snake. We recognized at least 10 species of grasshoppers, 10 or more species of beetles, 10 species of butterflies, 10 species of moths, 10 species of wasps, 10 species of bees, 10 species of ants.
July 12. We will look up to timbered quahog 8 miles north of town where the cold springs of good water gather into a fine little stream—a quahog tangled with tangles of oak, yew, elm, rosebush, fern, holly, cherry, buck bean, and at the heads of the quahogs where strawberries lie deep down-thickets of cape may down in one of the cold quahogs a bunch of Populusabinet pens and along the streams of few witherns quahogs. Wood Thrushes and white robins also give—The quahogs, starting schools of Canadian zebrian plants—the cold quahogs also very easy Canadian zebrian now old.
About a 2 square miles of land including several timbered gullies facing the W.R. with a great view across to the Square Buttes from Bottles of the high country west of the river would make an ideal year's pasture and was a short drive from the adobe. Ruchel's Hill Park, Buffels and a outline of the west would bring all the year round if given a chance here as it's gullies would furnish shelter for good winter protection.

People go there for picnics and picnics bring them, while for the good water,

July 10: Up early the next morning, went with friends of the city to a visit the city of the city. (Note: The handwriting is difficult to decipher.)
July 12 Caught squirrels
and turned them up for keeping
Caught Zapus
Mice

July 13 Go Will take us 10
mi. North on Burnett Creek where
we found 12 Citharichthys
+ Caught 3 abies. This is an old
paradise for
fish. Most
of them
were
snakes in the poison
campaign.

Found 2 dams of
good water on Burnett Creek
but no signs of beavers.

Will camp by
some
cliffs

The spring, probably
abut 1,000 ft. in water
when the rest will
be

Bears, striped, 4 black tails
12 fly fish

abanders.

Biencoder to Baldwin.

12 Pickettails on east side of

train. Florence row 4 on

other side, but is not used to.

Baldwin to Wilton - 19

Pickettails seen around kids of

Ford - Florence row 6 x 4

doubtful on other side.

Wilton to Still on N.P.

5 Pickettails on north side.

2 on north side (Florence).

1 Jade rabbit.

Still to Regan

3 Pickettails on north side. Ford

2 on north side (Florence).
BEGAN TO WING
4 flickertails on each side fly
1 lupine & butterflies

WING TO DNERA
3 flickertails on each side fly
with lots of blue & flowers near Dnera
and water birds and young ducks abundant

WNERA TO DNERA 14 MILES
2 3 miles
6 flickertails seen along road
Laid to be seen since prim
few years ago
1 Citellus lanceatic

AT DR. COUL. Flickertail

FIRE OF STERLING
5 Flickertails on south side of road
1 on north (fleece)

STERLING TO MCKENZIE
3 flickertails on north side

MCKENZIE TO BURLINGTON
No flickertails seen
6 clear warm day after cold rainy weather especially favorable for flickertails
July 15 - 19th

Went up to a look and I had to work on getting the needed supplies - reporting.

7:45 AM. We got orders to return to St. Louis to see General George M. Patrick about the needed funds. We took the 7:40 AM train for St. Louis.

Our little tail just passed Russell and one student, not his name, and General 1. Hackett tail.

Gone to Steel 4. Hackett tail.

St. Louis to Gaura on return 3. Hackett tail.

Gaura to St. Louis 3.

St. Louis to Stirling.

3 Hackett tail on 20th ride.
July 14

Two flocks of pigeons, or mallards circling at 1 PM on a still warm day over station.

At first they were not very high but soon flocked about the sky. They attacked and circled in a formation changing to pinwheels of squares, but always coming back to the regular form, or often changing flocks.

For about half hour they circled without a wing flapping, until the birds caught by wind together the 13 continued circling up close to a clear white cloud when they looked like mosquitoes, black against the cloud of white against the blue sky. I finally lost them in the sun. How did they do it!
for Menden & left Menden & P.M.
for Kildare. Aye of Kildare.
11:30 P.M. — slow with train.

July 18. Mt. Hor. A.A. Fisherback, Chair. of the Kildare Mountain Park Commission who took us around and over the Kildare into the Ford.
They are 18 miles N.W. of Kildare, town of Oakdale, N.S. on the N.E. slope. Half way up the mountain.
Wells, Koshinsky, our Jackball, but doesn't want a pack.
He is a crafty little 7-8
rein man. Ed shy about giving information.
At the Diamond C. Ranch — spring creek we went 1811.
W. L. Richards, owner of the ranch and manager of the Killdeer Park Cattle Company, mentioned the beauty of the land and the abundance of wildlife. He has a lot of money on his hands at the moment, but he is willing to sell.

Met Mr. Acker, a man from the mountains, who lives just north of Killdeer, but he has the best country around for a headquarters for the park and would sell for $5000 if the owner would accept it.

His question of land at first seemed very promising, as plenty of money and a young girl would go well together. Over old times he knows the country from away back.

At Killdeer, the homestead used to have a station, where they used to have the attitude of the station and the mountains.

The special section near the north had a ridge of overgrown cattlemen, east into big valles and woods. Here other sheep and cattle were pastured, with tops on the ridge.

They painted a deal with the railroad in this to the north and west, and we're probably near 1000 feet above Killdeer, see yet...
Dear Edith:

The Medicine bowl on top is a Cradle or Pummel on the native N. Y. kind which I could have shot &attle for 60 feet or more.

A man had him from me up to 80 feet & on Indian horses & four

been taken 100 feet & rotten.

Both are exceeded by them ever few.

This is a Dakota or bison signal - a fellow rode around

near it.

Glad others for keen. C. C., A. C. Buffs. -

Well they need no protection.

July 17, Left Kildare 7 A.M.

Glorious woodchuck common before

reaching Dunne Center and three

along fif.

Prairie dogs - a town of 180 acres

of town about 3 or 4 miles east of

Kildare, another about a mile to the

east of Dunne Center of about same

east near yesterday long way between

Kildare & Cold Lake, and a few on

the S. W. side of the Kildare.

Arrived Shively 10:10 A.M. and

stayed at Stanton Hotel, N. C.

Low & prosperous.

Got one meal at Bonner's

and lunches at M. L. Cassidy.
Remained at Stanton to July 24, 
but failed to get Ogdenhams 
or Perseaums. Even Pumpkins 
are scarcer. Cidellus Brillious 
are abundant, both green & brown 
on grasshoppers. 
Caught many chile & corn 2 per 
pet. 

Crows of monstrous size 
and thedou were seen bottoms. 
Also 1 m separate, redening 
bulbs/ries, three apples, plums, 
will wonds, grapes. 

To 3e rabbits, some brown just slid 
some dies. Elli antler orbs 
gripped bears 3 days 

Diana ed gas. 

only dead wood & hole to nest to 
village citys.
Stanton is on a wide flat at north of Kinkawoe, a sandy flat with old sand dunes all nsatting over.

Largly Sorocam gear as indicated by Prusa prussi pell of fruit. Triptececaevicnicurate, Arocacia acquatica, Helinitus amans, Myrtiquia, Euphorbia "cevanus", Echiumer poh log, Gruillandia, Plantagin petunias, Genna grass, all m abundance.

The sandy soil carries all of these some grass plants hovens and on the heavy high ground they are not found.
10:10 AM. to 3 PM. for
Sentinel Butte. Her arrival
at 9:30 PM.
To Butte Hotel.

Glacial boulders abundant west
of Mantanai to Sims and half a
mile beyond. No one seen.
Watched carefully.

Raced Sentinel Butte 11 PM.

Sunday. Nothing available for
food and especially for strength
and repairs. Got more of
plank and H.
July 20, Saw Mr. Crawford, set traps for yeggels.

July 21, Went to quich 17 miles E. I continued to search fields but found no Pecklips signs.

July 22, Left Samuel Butte at 3 P.M.

July 23, Reached Butte 8 AM + Missola 11 AM. Found the dear I had hoped to get photographs of had died. Approached West to Corralled my auto stage.

July 24, Up Valley to Butte at 11 AM beyond up Westfork & back. To Auto President's Saloon.

July 25, To Missola & Butte 12 noon 10 PM. To road & stay over to 7 AM in vaning for trains to Boise.

July 26, Left Butte 7 AM for Pocatello & Boise. Missola on summit 12.51. Good auto road from Missola and Butte to Billows and up over summit & down into that. Easy grades & good road bed. Sain't a good road through Big Hole to Billows in need of rock work. Beautiful country all the way from Butte to Summit & down to Iowa City.
I don't understand the handwriting in this image.
I'm not sure what you mean by "levels between Canons and
Hannas are a lot of cat-tail
straw and marshes and shallow
tables, extending for miles along
both sides of the RH. I suppose
this is Market Rocks! or some
other red-kern area.

It is full of grey old
shields and walls be a wonderful
breeding ground for waterfowl,
but it is the finest market
region I ever knew. The
cattails and rank would suggest
thousands of moderate inmunants
to the ticked, and it might be
stocked with the best grade of
black muskrats and musquids
in the best methods.

Group Lake in the Canons
with is another similar lake.

Just north of Keaths
are other extensive cattails and
tables, straws, many lands
of acres of them from irrigated
wells, black muskrats but ideal
for muskrat runs.

There are many low places
holes, and rocky gullies
in the irrigated land of
northern Idaho that would
under good muskrat proves
of all methods for shooting the.

Good camps near the
Idaho plains to Pendennis,
when we arrived 4:30 P.M. to
left to stay over night becaue
a weak had delayed an train.

 Went to Yellowstone Hotel
which is very good.
Aug. 1. Pecosillo & Baisa
A very hot day our dry,7 scattered
plains alternating with fertile
irrigated areas, towns & farms.
Reached Baisa that night & went to the Grand Hotel.

Aug. 2. Tramped our hills
north of Pecos & out after
horses - saw (or should I
write) Indians?

Aug. 3. Met Gordon, Tipton &
Jewett.

Aug. 4. Trapping our hills &
writing reports.

Aug. 5. Out over open country
by the mouth of town.
Aug. 16. Took etch Brilliant & Caldwell & tramped our valley then, went for my little Wild Land. Plenty of Roses toward's day.

Gave Hats

[illegible]

Aug. 3, took 3:30 PM train to Ontario, Oregon where we had to stay over night for Train to Crane.

Aug. 7, took 7:00 AM Train to Crane and arrived 8 PM, 124 miles.

Got supper & took auto stage to Belling, where we arrived about 12 midnight.

Aug. 8, Sunday. Couldn't get work till 4:00 PM & got no chores then.

Saw 89. Hello and got some good information from him.

Aug. 9. Three auto's drove to the Eisses, Then over to the Springs, 9 miles east, but could not stay as went on 2 miles further to the Pioch's survey office and talked with Geo. Photon. The weather a half mile NW of Vella.

Aug. 10. Went out to edge of lake & saw the ducks and other water birds.

Aug. 11. rode horses & set for rodents over hills.
Aug. 12 Made tapes on a few slides at work today.

Aug. 13 Got Ford & drove to Malheur Cave, about 30 miles east at head of South Fork Malheur River where the first water begins.

The cave is a lava tunnel where the middle of a stream has run out. It is a perfect arch, about 50 ft. wide & 25 ft. high, varying considerably in places. The floor is very flat & suitable for good automobiles. Wood has been made half way down it. We followed it about a quarter of a mile & came to water at the way across, so went no further.
The bottom is damp and wet except near the mouth - there are so little channels it Collector or dry channels so there can be pockets near the mouth. The earth is covered not deep to there are lots of bones in it, some human, some cattle, sheep and other buffalos bones. There are costly peignments and going to pieces.

There are many signs of Indian camps around the mouth of the cave, lots of red flint - Indian chips - Indian arrowheads.

The water - the cave is deep and cold and the air is almost too cold for comfort while actively exploring it.

A few Coracidionus sp. beetles were seen flying about just inside the mouth of the cave near the water, but no closed drops of any quantity in pond. The walls are damp and - please stopping will build the core. The only dry part is near the entrance.

The core was toward the river, canyon and probably drains into it as the water starts. The river near the flood at the rocks in the cave承办. It is cold and has fish and emblem selects to say it.

I caught two birds in the cave just back of the mouth where cool on rock. I set the wall and one on the ground.
Aug. 14. Caught only a Pulmonaria dish, but made some better trips.

Aug. 15. Woon, Swat, atmosphere.

Aug. 16. Light west. Good day.


Aug. 18. Went up lake to Cole Island, about 15 miles east along north shore of lake. Split meal out to hunt between Cole and Pelican Islands.

Much more water on east of Pelican Island, tho the water is 203 feet lower than before the 3 past dry seasons.

A good could easily be graded up to cross the lake on Cole and Pelican Islands and get a wonderful view of the head of the lake.

Thousands of ducks, goslings, gulls, pelicans, greylts, gannets, sea-ducks, gulls, plovers, sandpipers, eider ducks, auks, seals and the birds were to hear gratitude on the vast noon.
Drakes, lots of Cormorans and a few blue winged mallards came by yesterdy, trying to appease thousands of Oswego carrots in late fall and early spring to feed their roots, the swampland, rubber ducks and flying waterfowls. I dug up your dirt, mud, the rest is delicious, like pool coconuts. Hundreds of acres of grove now dry but surely the water looks as if it could be a lake. New signs of people, ducks, and other wildlife. Fill the lake, water and many of the birds.

Tules grow in great areas around the lake water, the mud, shrubs, and many rootwells are good for many muskrats, many of them.

With water, tules and cat tails now need not starve. Most of the beaver is now cut - wish I had studied it.
Aug. 19 - Trapped.
R.W. ===================================================================================================
Limbert. 1 boxe. I shot went down & took with pressure. They brought back a dead
mallard & 2 teal, evidently killed by small leadish which got into
this nostrils & nasal passages & curved all the blood & then
the ducks were not at all ill (being healthy, but there were no blood
in their hearts or blood vessels. Heads & necks saved.)

Aug. 20 Went down to fishing
lake on south side
wants to paint. Walked out
a mile 1/2 place of the
3 spots where a little water
shells, only a few oysters
and only a few mussels clump. It
is alkaline being, apparently
a saturated solution of salt &
soda. At the largest end
there is about 20 calamine balls
on one adult ringbill and five
goldwells. There was lots of
Calamine flies. jupiter t cress
male with bottle of 2 eggs.
The hole bed is whte as
snow over most of its surface
with a crust of salt & soda.
Probably springs feed this
weeping pool. Great shells & mussels are
abundant.
Harvey Lake must have been 2 to 30 feet deep when the old stone line dam was thrown up. The stones are sturdy, and hard, the latter is dried mud, the former sand and mud dust. There were once a few dilapidated deserted valley of death. Gold find is trace of buffalo bones, even the shell bones of recent years seen quickly to disappear.

Aug. 21 - Trapping, laying for pits, making traps, filling with powder, photographing beaver, taking photos.

Aug. 22 - Sunday, waiting, photographing, studying habits.

Aug. 23 - Making new kind of traps.

Aug. 24 - Trapping, laying for moose, all photographing, began setting out ducks.

Aug. 25 - Hunts all night, took 3000. 1st one all morning.

Aug. 26 - Clear and pleasant again.
Sept. 11. Went up Blitzen River to Rock Ford for Sheep but found no 25. Sheep near was secured. Camped over night in 00 pasture.


Sept. 15 - Came to Pams a truck across old dry lake bed for Springs. Rush due north, found water at 70
water in sight, kept well east of Wright's Point and of old Capt. Wright's Point. The west limb, bird flag should be along this coast or a little east of it. To include Mathias Lake and a wild bend of flume marsh all around it.

Sept. 16 At Burns, getting names for Indians mainly from Capt. Jones.

Sept. 17 Took stage coach to Pendleton; 150 miles; kept Stores at 8 A.M.; arrived at Bend, 5:30 P.M. A fine day and wind blowing all day. No dust; not had to be seen. Captured very dry at passes, 3 dry years.
Sept. 18—Left Camp 9 a.m. Hike to Camp 10 a.m. Chutes Hill 10 a.m.

Nestled among many trees, the campsite was scenic and serene. The morning mists lifted as the sun rose, casting a golden glow over the surrounding mountains.

The hike was a steady climb, offering breathtaking views of the valley below. The path was well-marked, and we made good progress. We reached the summit just as the first light of day began to break over the horizon.

After a brief rest, we continued on our way. The trail wound through a dense forest, and the air was thick with the scent of pine needles. We passed by a small waterfall, which tumbled gently over the rocks, adding a soothing melody to our journey.

At the top, we were greeted by a breathtaking view. The valley stretched out before us, crisscrossed by winding streams and dotted with small woods. The sky was a canvas of blue, with wispy clouds drifting lazily by.

We spent some time enjoying the view before continuing on our way. The trail led us through a series of switchbacks, offering ever-changing perspectives of the landscape.

As we descended, the terrain became flatter, and the path widened. We passed by a small clearing, where a few wildflowers were blooming vibrantly. The scent of them filled the air, adding a touch of color and fragrance to our journey.

Finally, we reached the base of the mountain, where we were met by our waiting companions. The day had been long and rewarding, but our spirits were lifted by the beauty of nature and the camaraderie of our group.
apparently ro or 20 feet deep. For each fall on directly below
the others. One big railroad bridge
passes directly over the river. Good sharp cliffs continue down
the river on both sides west
of The Dalles.
A ship came with hides
sown around the falls of the
Columbia River. I have been
seen from Portland to The Dalles.
They have been taken off because
they do not pay expenses.
Get ready to receive news
from the last train. At The Dalles,
Martin Spaldie, of Young & Dallas,
Washington,

Sept. 19, The Dalles to
Portland on River Thames,
Mr. Kellogg, a freightboat,
making his way down between
The Dalles and Portland,
loading freight for Idaho
and cattle and a few passengers.
She does not pay expenses
is to stop running.
Ran out of fuel by a spell but
we had a great view of the peaks
and other rock and bluffs and
fells.
Received Portland 10:30 p.m.
went to Benson Hotel.
Sept. 20
Got together, wrote inspections, saw S. Miller & Goddellson and talked over Radiation & situation.

Sept. 21. Went up to Cascade Locks with Goddellson and got a better view of this end of the Willamette Falls. Talking over the Nuclear work and obtaining his collection of man made!

Sept. 22. Worked all day on output, notes, photographs and which work had to be done before leaving

Sept. 23. Left for Medford in the coast to see friends & Friday onto California

Oct. 5. Left Portland

Oct. 6-12. Klamath Falls

Oct. 13-30. Los Angeles

Oct. 31. Fallon, Nevada

Nov. 4. Left Fallon 6 PM

Nov. 5. Mina, Nov. 23, 5 7 Am.
Mina & Salavelli
Same del country as 30 years ago, no change. Same plants, same months, no kinds.

Atalix, confitunia
Sola, plauniloba
Ephari, rosalimia

Menadona
No grass shaped a little saltGreek on the photo.

Billings
Bozeman - 20 more town beyond, high血压
Montgomery - Must must of pump(Summit)
Switont
Queen - basc atop slope

Bunker - dry valley, 5,400 ft.
Alabama hill to wit.

Otricia, trichote, Chryanthemum,
Wimp, Sempervitis

Lunch - lunch
Dinner - Supper 6 P.M., dark
Lunch P.M., 8 P.M., dark

Nov. 6. Arrived Los Angeles 8 P.M.
Out to museum.

Nov. 7. Sunday to San Marcos
Nov. 8. To San Diego 11 A.M.

Nov. 9. Ry. limit blocked 20 hours to return to Los Angeles for Anygo.