U. S. Department of Agriculture.

North Dakota
FIELD DIARY

1919

Mr. Vernon Bailey

Chief Field Naturalist
(Official title)

Biological Survey

NOTICE.

This book is Government property. The finder is requested to mail it to the Secretary, Department of Agriculture, Washington, D. C., or deliver it to the official whose name appears above. A detachable addressed frank will be found on the last page; by tying this on the cover the book may be mailed without postage or wrapping if fastened shut.

8—2887
Every officer or other employee of the Department of Agriculture conducting work while traveling is, when practicable, to 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.

Identification data should be entered on the front cover before diary is used. The 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.

FIELD DIARY

Secretary of Agriculture

Accepting this

1919

Field trip to North Dakota

Vernon Bailey

Sept. 4. Left Washington 4 P.M. via Train. Arrived in Chicago 8 P.M.

Sept. 5. Arrived Minneapolis 12 A.M. Visited the Elks River at 4 P.M. and the Cheriton Hill.


End of trip.
To float rest at Elk River
and photons backup by heavy 5, turn-

can operate in good ways but

isn't a failure amid a flight.

Sept. 12. Returned to Elk River.

and took train for Fargo.

Sept. 13: Arrived at Fargo early
in morning. Hotels all full.
Went to Methopel. Waited at
Winxie's in good list of radicals

Sept. 14: Got room at Garden's
Hotel. Worked at A.C. O.U.
got more records of normals in
photographing same.

Sept. 15: Worked at A.C. O.U.
and library. Set trips and
photographed in Devil Park at
north end of town. A beautiful
mornin' rain, clean air and cool.

wet, with good air leaves

acres of swings and places
for fine rest rock table

finished by listeners.
Sept. 14 - 19

Finished on manual collecting of A.C. 
& Fargo College. The United Bros. Visited 
for purposes. Ran through local histories, 
archives and N.D. & reports of 
N.D. historical Soc. Saw Dr. W. Hazard, 
director of government stations in 
respect to publishing reports. Made a canoe 
trip up river & wild woods & caught a A.C. 
& P. A. V. A. P. D. the first in the state, one of victims 
of the little bards.

Notted camera & photographed 

Beautiful weather and no frost yet. 

Fresh dishes eat good. This year N.D. goes to 

Homesteads, as little their 

waves over winds, have winds 

Toward western.
Sept. 20

Left at 6 AM train for Grand Forks. Arrived about 10. Went to Frederick Hotel but was again. Got telegram to go immediately to Deadwood to inspect railroad. Stayed until about 10 PM train for St. Paul.

Dined along both sides of river and was surprised at the beautiful fruits of Grand Cottonwoods, elms, box elders, hawthorns, linden, ash, willow, pines. Most of the woods are pitch pines, clean and I never saw more beautiful woods of this type. The cottonwoods are tall and straight through. Flesh colored, one about 5 feet in diameter had a hollow big enough for a big block to stand up comfortably if they could get in at the spring 50 feet off.
Buffalo horns stuck out of the bank of the river where recently swept away by water.

Saw an canoe track and the abodes of beavers, muskrats, and other fur bearers. What a paradise grew it was in 1860! Also for bears and other kinds of game.

The fork is made by the Red Lake and the Missisquoi, which are about equal in volume. The upper Red Lake flows in narrow, swift, and a very swift current. It has a few dams at intervals and is good clear water.

Boys were fishing at the fork and catching good bass, pike, and eel. One had a good eelfish. They sometimes catch large eelfish.

Got a good chance to learn some information for this.
the store and I sold it. The store was at 204, 31st St. The brothers lived next to it. The store was called the "Grand Hotel."
Sept. 21

Arrived at St. Paul 9:00 AM. Left 10 AM for Scandinavian via Wabasha & Seven City Line to N. W. Ry.

The railroad goes along the bay of St. Paul through the Minnesota river. The view looks very promising on lots of spires and turrets.

Counting still green and beautiful no sign of frost. Flowers are in their full flower. Ponds, meadows, woods & lakes all lots of spires & boys along the valley. Good woods, bluffs & large licks of sandstone & granite farther along, toward Mendota.

Much sandy soil.

Crops a good next to about fancy, the signs of dryness.
From the east line of S. Dak., and some of western Minnesota, it has been so dry that crops are almost a failure. There are few wheat or stock stalks or the corn is so green as to be hardly worth cutting.

Even weeds are scarce there. There is some hay and plenty of fresh green grass. It seems to have rained lately.

Lot of timber lots all across Minnesota prairie, usually covering the prairie. Not so many as Dakota.
Sept. 22. Passed through Pierce at 9 A.M. No sign of fire on the country west of us. I watched the combustion of my windows for the rest of the way until it got warm enough as I could get it. A cold night made for the first of the season.

From Cottonwood to the Chihuahua River it was dry, dry plains. Then we passed through valley next the way to Hobson City, but not in the floodlands. Then we passed all along the river valley had some out onto the prairie, but mostly not very prosperous looking.

The콽 was deep except in a few water holes, and the whole country is briar up. A few alfalfa fields that came to the side of road completed the scenery.
Rushed Rapid City at 9.50 A.M. but the Deadwood train was late so waited till 2 P.M. and reached Deadwood at 5 P.M.

Went to Franklin Hotel, over the most satisfactory found this season.

The Black Hills are very dry but not so bad as the low country. There is good grass for stock at some places. Many of the streams are dry but some are partly full.

Went up to doing hogs with some and saw a good view of Rousevelt [Wyo] and surrounding country.
Sept. 24

Over to Spearfish camp on the train and took the Spearfish to Deadwood on the stage.

Saw flocks of quail on the ground and fishermen throw their baits into the stream as it flows between the pines. There is no wagon road most of the way along the canyon except at the lower end, very much. It is a beautiful canyon with high, rocky cliffs and pines, cedars and cockleburs and ideal places for resting of horse teams and coaches.

The upper end of the canyon is called Spearfish, Dupithen, Dupithen, and is a great place for grand cattlewoods. The land is very good and some of the farms are for wide hayed.
As I turned around the corner, I saw a large empty field. It was surrounded by trees and was bathed in sunlight. I walked closer to see what was in the field, and I was surprised to see a group of birds. They were dancing around each other, chirping and fluttering their wings. I couldn't help but smile as I watched them. It was a beautiful sight, and I knew I had to capture it. I quickly grabbed my camera and started taking pictures. The birds were so skilled, each one weaving in and out of the others. It was a beautiful display of nature's artistry, and I was lucky enough to be a witness to it.
Sept. 25

Wrote off my reports, went again to the foresters and talked with Mr. Aub. W. Martin, who is secretary of the Pioneer Association of the Black Hills and was in Congress during Roosevelt's administration. He is much interested in the game refuge, and will do all he can to help.

Took train to Rapid City at 6 P.M. and noted conditions down Blackwater canyon. Good timber and brush and lots of elk, deer, ironwood, aspen, aspen and cottonwood, oak, plum through Cheyenne, red and green grasses, and yellow pines along the sides of the hill.

Departed Rapid City at 8 P.M. and left for St. Paul at 8:15.
Sept. 6
Out on South Dakota prairies at daylight and had breakfast at Huron at 7 A.M.
Lots of boulders on the James River and a few along the RR when dug out of cuts, but the prairie is very level with little trace of glaciation.
Further out the surface is slightly more undulating than the scattered boulders of well rounded granite or quartzite. Some are large as a sheep or even up to a ton or more.
Sept. 27 - Arrived Grand Forks 9 A.M.
Went to Hotal School
Out to Museum & Library
Cold & windy

Sept. 28 - Sunday, Rain all day,
Cold all day

Sept. 29 - Left Grand Forks 9:30 A.M.
Arrived Wallalla 2 P.M.
Furangs killed by Chief Wilits;
Three men 7 or 8 years old
Kills reported.
Grafton - 2 Cattle's were drowned
Just beyond Grafton - 2 Indians seen beyond.

Much woods of largely cedar,
Birds & Cash scattten good prinic
Chaplet to Wallalla.

Wallalla - 2 P.M.
Set trap wood & springs.
Sept 30 Woodalls
Coughts only Meotias & Evolidays. Baited all day traps with meat cold next morning at edge of water for Meotias but none fotograophed district birds & mammals & plants climbed high bluffs above river valley.

Oct 1 Rained all day. Cold, windy, cold wet. Caught no little shore or zone Evolidays & Meotias & 6 or 8 blue warbler. Re fished traps. Made out expense account.
Eugene D’Healey, a Frenchman of about 34, has been here a long time but is very observant, has given one much information. He has seen birds very well mounted off is eager to learn the names of birds and birds.” He has described to me Emery Grasshoppers, pea-grasshoppers, grasshoppers, and others.

I took up my spade and cut the earth near the little hill, to the west of town and walking the earth with my pick. The photographs and carried wherever I stop on the highest hill near here, about 100 feet above the railroad station. Photographed — big Cottonwoods just in circumference as high as my arms. It must be over 100 years old and must be a native species. The tallest cottonwoods are all white tops. Beautiful woods and river hills etc. with vines and prairies. Rich soil and good farms. Many potatoes raised and the society is especially good for them. Beautiful Indian corns.”"
S. A. F. got a brand new coat. The zephyrs were not bad. 

The police officer who was at the hotel said that it was too early for them. The hotel was not open. The hotel was closed. The hotel was closed. The hotel was closed.
The attic of the house I lived in under the roof and the floor. It was filled with clothes and blankets and things to keep it warm in the winter. The place was originally a studio for an artist and my father used to work there. The attic had a large window that let in a lot of light. The view from the window was of a park and a river. It was a peaceful place to read and think.
The woods are beautiful now, with rich autumn colors. The aspens, cottonwoods, birches are pure sunshine, the oaks relish rust and gold, while blanketing heath of corns are warm shades of bright and deep red. Red roofs nestled in the woods of yellow straw stocks out of the fields give a feeling of comfort while big red barns and the prairie suggest prosperity. The country is rich and fruitful and prosperous.
You asked why I felt there was a lack of collection development and what we did to address it. There were several reasons:

1. The manual system was inefficient and cumbersome.
2. The budget was limited, which affected the amount of time and effort allocated to collection development.
3. The library's mission statement did not emphasize the importance of collection development.

To address these issues, we implemented a new automated system and increased the budget for collection development. Additionally, we conducted a comprehensive survey of user needs to improve our collection.
with dear

C dots small — meaning that
he fed from the same
William C. or Turner

praised so much. The
Tapped tomorrow about 11 caught a lot of whiskers of
prairie dogs in trying & got

Oct. 7 Took up traps early in
morning caught 11:30
train for Grand Forks over
the N.P. road. Got the dead
of my coyote debt at the
station of Minnedew as I came
towards this.

Reached Grand Forks about 1 P.M.
and got photographs along the river
and chased up coyote about and
located George's Limits
Photographed pine woods & big
western red cedar at its heart-high
about 75 or 80 feet high, hollow at bottom
big enough for a garden.
금요일 오후에 또 수고한 간다. 일주일을 일정해 두기로 하였다. 날씨는 어둡고 날씨가 좋지 않았다.

유가 주변을 돌며 잠시 쉬었다가 다시 일어나서 일상의 일정을 이어갔다.

기억에 남는 일은, 아침식사 후에 임무에 가서 일정하게 일어나는 것이었다. 그 외에는 너무나도 바쁘다 생각이 들었다.

-- 날씨는 매우 풍부했다.
Met President Gaines
Prof. Boulter
Squire
E. F. Chandler
Parkkop
Dr. Fisher
Botanist

Talks at the assembly hall
with lantern slides, covering
other ground on the same subjects
in spite of cold wind and snow
and one audience of about
100, including wives and friends
of the faculty.

The evening's informal reception
was held at the home
of Dr. R. F. Young, where I again
met most of the faculty of the
university.

Between talks I gathered the
few opinions in this university
musical and from various of
professors, getting a bit of
especially good advice
from Prof. Chandler.
Two days later we left New York on the train for St. Louis. The train ran for two days, through the heart of the southern United States, and finally arrived in St. Louis on the evening of the third day. We arrived at St. Louis by train and were met by the owners of the house where we would be staying. They greeted us with open arms and showed us to our room.

The next day we were taken on a tour of the city. We visited the Arch, which was a major tourist attraction, and also saw some of the other historical sites in the area. We also had the opportunity to sample some of the local cuisine, which was quite delicious.

After our tour, we spent some time exploring the city on our own. We visited some of the more popular shopping areas and also had a chance to see some of the more unique sights. We also spent some time simply enjoying the city's atmosphere, taking in the sights and sounds of the city.

Overall, our experience in St. Louis was quite enjoyable. We were able to see a lot of the city in just a few days, and we were able to get a good sense of what the city had to offer.
To Devils Lake and Wheat. Arrived in sun and canal late. Pretty dry west of Devils Lake except for a few low isolated and west of Chequetry over most of plain. Pleasant sky with study little air and wind on north and west sides. Only a small patch of clouds across. A few woodchucks on hillside. Early 7 P.M.

Rushed Mont 10 P.M., about 5 hours late. Cold and windy, overcast when white with snow. Rain, wind, and snow between Turner and Mont 9 knew it at noon.
ranged over hills all leisurely, watching tracks and looking for gopher
hills. You seem to be so quick in
here, but caught a previous
pretentious or a Miss universe by
hiding the cat. Saw lots of
inhabitants trails of a good,
He was getting a very light gray
with much white in both back

and front. They sell

birds of plenty.

here held me in mowing
snow covered about half the
ground on all cold slopes.

But it mostly went off when

the noon sunshine of the afternoon
seemed like cold frost again.
Still some running on cold slip
sliding in gopher holes when it was

suffocating rain till last in
spring, causing Canadian geese

right
On the 14th, for Sandisk via Drake and Max.

Very ad names in view.

The.crown of Kulti beautiful, and of the Kings River to Kleob, some ad of Klist.

To very poor estates but plenty of musical birds, pigeons & pigeons.

The Gitan de Nezvans a few in a long line near Drake.

The doghish Kutilk and a系统

The rest of them with muskets and hunting guides.

A flock of snow geese near Voltaire, and a flock of about 100 blue geese flying - Another large flock near Drake, ad our own Dungeness.

A flock of about 200 swans with gneises near Velva.

Hendel Smith 7 P.M.
Natural.

The Fredericksburg Monument is
includes the point of high prairie
just south of the town of Fredericks,
It includes about 300 acres of
worthlessness land with nothing of
value or beauty in it. It is
supposed connected with the
place where De Soto de la Ferdinand
first discovered the Missouri
River in 1738. I was hoping
that it would include a section
of river bottoms large enough to
save the deer from total extinction
but it takes no interest and
there is not one of such concern near it.
So likely thinks it is not
even near the point where Fredericks
was.

Oct. 14. Tramped over prairie and
drew near the Fredericksburg Monument
on Crow's Crossing Butte, and looked
up river. Found no gopher signs
at little elce. There has been no
little rain for years that way the
grass hasn't grown or there is little
plant of any kind except reeds,
do PM crossed ferry and
tramped over better west of river.
But the country is just as dry
as ever. Even the river bottoms
were dry and little growth this year
of this little life except
imagining sponges of Madejue.
Some judgin' is good as it is caught by chippets.
I can't at all understand the challenge. I am not sure if I should try to understand this. It seems so complex. Can't figure it out.

I'm sorry, I don't understand.
A brilliant but fiercely cold night. Got up and took train at 4:30 after the sun had set with Jupiter shining like a red light and the stars all wonderfully bright. Reached Main Street before daylight - got in by a train and started. The sun came up and it began to get warmer. Then got a man and took me down to Shell Village to see Mr. Chas. Whitmore. The Indian traders of the Indian agent. Photographed local scenes and some Addressless men wore that he had got - data of other records of interest. He and his wife are fine earnest people - are much respected by people about them. They are well educated people. Have a friend editor of Maximilian's Riveau.
Left Van Horn at 7:15 AM. Mr. Mirot & Inspector. Not as cold as yesterday morning but the clouds & rain are all gone. Sight saw a flock of ducks sitting on the ice near Douglas. A few rabbits along the wavy and Dealers' house hills on low ground.

Rachael Mirot about 4 p.m. said went out to eat Thistlebut in morning. Groups of western birds called for the fowling.
Mondays. Left camp at 5:30 AM and reached Mondak about 9:00 AM. Went to the river bank a 1/2 mile from town to the old ruins of what is supposed to be the factory #77 Union. It is on open prairie close to the high bank of the Missouri and just within the edge of North Dakota. Two outlying cellars to the north of the main buildings are on the Montana side of the line. There were a dozen or more of the building with heavy stone foundations at distance with cellars. About a dozen roomless holes in the east end seem to have been graves that probably were dug up. Then I followed down the river banks to old S. Bourn.
Mrs. Minors was first tracks at Buxford during its occupancy & bought the building & lot at Auburn when the troops left.
Ms. Minors died a few years ago & Mrs. Means is an old lady, very strong & long & a fine motherly woman. They lived here with the troops in 1864 & resided at the upper camp until the fort was built.
She says that also an old trader passed on the ground when Buxford was built & that...
I met old W for & old friend & old H. 

Missouri Rv.
July 27. Sunday.
Cathedral Procession. cones.
Viewed the Netherland & lake of Weiss.
It is a hot day that a picnic is scarce. Only a few wild flowers, rose buns, & other fruit.
Many large granite boulders are washed over the hills mostly at Morkot & Penford, but the glacial deposit seems shallow & is mostly swept away, being stratified banks of buttes on the surface. The wide alluvial valley here & up the Yellowstone below Williston indicates a great lake basin caused by glacial dams across the Missouri River below.
We took off Monday at 9:30 a.m. and reached Glendive by 4 p.m. No signs of glacial drift west of Missouri.

Through irrigated country all up the Yellowstone valley with lots of alfalfa fields & roads & good farms. Sugar beets being loaded in cars at Sidney for shipment to the Billings refinery. The general country is very dry and evidently there has not been enough water to irrigate all the land that has been undercultivated. The river is very low at most of the smaller divisions are dry.
Left Flinthill at 2:30 AM. Arcturus still damp dark night. Sagon came up on this high plain when an inch or snow whitened the ground under nearby to Dickinson, where it dropped. Watched for glacial signs but saw none, not a boulder except a few large stones left of hills west of New Saline, where granite boulders became rounded and some of the hills are boulder packed terminal moraines. This is only 32 miles west of McLeansville by the N. P. R. R. and the intervening country is rock thinly pedimented and well stoned with boulders.

There are lakes on this side of the river because the ice did not pile up enough debris to make
The rise of Ferdinand II.

The image of Ferdinand II. being shown to a crowd of people at a public event.

The event led to widespread unrest and protests.

The son was born.

The event was celebrated with a grand festival.
Washington was a person — P.M. went up to the capital library and got newspapers and votes for local publications. Raised part of day.

Found B.Z. Fillmore at capital as he took us to meet Mr. Will, the editor, who is much interested in game and natural history and ethnology and speaks the Hawaiian language.
Oct. 23. Ground white with snow — moving at intervals all day. Packed up and went over to Woodruff and stopped at the Lewis-Oliver Hotel. Went on the collection of Mr. Allen but found little of interest. The black buck is the head of a horse skull but does not know where any of the cases from the deer case. Spoke to Mr. Van horn mounted for Lincoln in Denver. Wm., as killed by Frank Eaton on the Little Missouri, but he told them it would not be as good with an artificial skull. Snowed till after dark, too late to allow any tracking.


Oct. 27. Sat two hare traps

Oct. 22. Got one red and one

Oct. 28. Got 1 red. Indians a few miles afield caught a few

Oct. 29. Caught 2 Vignars 21

3 Pampreas. Hung over wood for vines beans but found no 

They two. Dipped on pitcher and

3 Pampreas and one broken. Both very good. Smoking boxes filled with delicious fruit, also very ripe in cordovels.
Oct. 30 - Tramped over woods and set more traps and dug into snow for beaver signs. Found no signs of cache.

Oct. 31 - Found a Muskrat trap where a trail was opened into trail in snow. I cleared them out and pushed snow burreas into earth and arrow dug over the previous day. Dog in to burreas. Caught old muskrats as it ran out the other end, then dug out root of each of a few bunches of arrowroot. Saved for aleurs. Carried some home alive in gloop.

In another place caught 2 muskrats in traps baited with beans. Took up traps of prepared traps.
Nov. 1. Took 9 AM train for Mandan, arriving 11 AM. Chopped beaver traps out until 4 inches of ice, and went round & dug out places on flats. But found no beaver nests deposits.

Nov. 2. Crossed over to Richmond 6 AM and found Missouri river frozen solid across as it was 10 miles below Mandan to-morrow. The river is now about 6 or 7 miles wide on the prairie, and a little falls what every day. The ground is so dry that it is not frozen when covered with leaves a year or more.

Worked at Capitol Library, but the local naturalists in going to Mr. Wells office.
Nov. 3. Sunday. St. Galien at 11 a.m. — to capitol library & I went over card catalog for responses & our local publications for manual records. Served most of day.

Took train at 7:12 P.M. for Chicago & Washington, bringing my collection of bent wood mammoths within 1 piece, 1 Miocetes, 1 Prognathus, 2 Prognathus jugum, 1 Peraourenas (mecdus) etc. agreeably.
Nov. 4. Minneapolis to Chicago 9 P.M. Found to wait for through train till 10:30 A.M. To went to the Mason, a little hotel just around the corner from the depot.

Nov. 5. Arrived Washington 9:30 A.M.

Bakho


Nov. 6. Arrived Washington 9:30 A.M. This not all letters. When out of printer.