

Saturday June 14-1924
Left Sioux City at 3⁴⁵ P. M.
Speedometer reading 16998
Photo of us by car at start (spoiled)
Red Wing - Dickcissel - Meadowlark
Mourning Dove - Flicker - Barn Swallow
Hinton Iowa

Dickcissel - Red Wing - Grackles
Crow - Mourning Dove - Kingbird
Merrill Ia 19 miles

Sparrow Hawk - Meadowlark
Kingbird - Robin - Grackle
Red Wing - Barn Swallow
Cowbird - Red Head Woodpecker
Le Mars Ia 28 mi

Mourning Dove - Grackle
Bluebird - Kingbird - Dickcissel
Meadowlark - Robin - Barn Swallow
Arkansas Kingbird - Baltimore Oriole
Red Head Woodpecker

Maurice Iowa 40 mi

Red Head Woodpecker - Mourning Dove
Kingfisher - Barn Swallow
Yellow Warbler - Red Wing B.B.
Kingbird - Prairie Horned Lark

Sioux Center Ia 47 mi

Grackles - Flicker - Red Head W.B.
Dickcissel - Kingbird - Barn Swallow
Meadowlark - Arkansas Kingbird
Flicker

Perkins Iowa 54 mi

Arkansas Kingbird - Red Wing B.B.
Kingbird - Grackle - Meadowlark
Mourning Dove - Barn Swallow
Kildeer & Blue Jay - Red Head W.B.
Dickcissel - Crow

Deon Iowa 63 mi

Mourning Dove - Grackle
Meadowlark - Red Wing B.B.
Dickcissel - Northern Yellowthroat
Kingbird - Thrasher

arkansas Kingbird - Shrike
Grasshopper Sparrow - Kingbird
Thrasher - Robin

Rock Rapids Ia 77 mi

Sunday June 15th

Left Rock Rapids at 8:40 A.M.
Flicker - Grackle - Crow - Mourning Dove
Barn Swallow - Meadowlark
Grasshopper Sparrow - Shrike
Northern Yellowthroat - Bluebird
Cowbird - Kingbird - Arkansas Kingbird
Redwing B.B. - 2 Bobolinks - 1 Dove
Red Head W.B. - Migrant Shrike
2 photos of Shrikes nest (50-8) (25-8)
1 " " Bennett taking Shrike nest
2 " " Shrike at nest - both (25-8)

taken about 2 miles south of Lu Verne Minn

Lu Verne Minn 94 mi

Red Wing - Flicker - Meadowlark
Grackle - Dickcissel - Red Head
Kingbird - Shrike - Barn Swallow
Robin - Prairie Horned Lark

Frokey Minn 112 mi

Shrike - Barn Swallow -
Meadowlark - Bobolink
Arkansas Kingbird - Cowbird
Grackle - Robin

Pipestone Minn 121 mi

Red Head - Robin - Thrasher
Barn Swallow - Shrike
Grackle - Flicker - Ark Kingbird
Bank Swallow - Kingbird
Mourning Dove - Bobolink (4)
Red Wing Blackbirds

Lake Benton Minn 140 mi

Yellow Warbler - Kingbird
Bank Swallow - Grackles
Barn Swallow - Meadowlark
Dickcissel - Bobolink - Prairie Hen
Mourning Dove - Song Sparrow
Veep Sparrow - Red Wing - Thrasher
White Rumped Shrike - Arkansas Kingbird

Joanhoe Mine 156 mi

Meadowlark - Kingbird
Grackle - Barn Swallow
Crow - Thrasher - Robin
Kildeer - Mourning Dove
Red Wing - Prairie Horned Lark
Bobolink - Arkansas Kingbird
Mallard

Canby Mine 174 mi

Dinner at Canby at noon

Meadowlark - Grackle
Flicker - Barn Swallow
Shrike - Red Wing - Kingbird
Bobolink - Marsh Hawk
Mourning Dove - Yellowhead B.B.
Savanna Sparrow(?)

Madison Mine 199 mi

Crowbird - Kingbird - Redwing
Arkansas Kingbird - Meadowlark
Barn Swallow - Shrike - Kildeer
Bobolink - Mourning Dove - Robin - Flicker
Northern Yellowthroat - Marsh Hawk

Ortonville Minn 230 mi

Photo of Home of Bank Swallow (50-8)

Vesper Sparrow - Mourning Dove

Bank Swallow - Kingbird

Meadowlark - Night Hawk

Arkansas Kingbird - Black Tern

Grackle - Coot - Red Wing

Yellow Warbler - Yellowhead B.B.

Graceville Minn 249 mi

Arkansas Kingbird - Purple Martin

Grackle - Kingbird - Meadowlark

Red Wing - Song Sparrow

Vesper Sparrow - Red Head B.P.

Bluebird

Wheaton Minn ^{4:30 PM} 266 mi

Goldfinch - Red Wing - Kingbird

Mourning Dove - Barn Swallow

Flicker - Short Eared Owl - Skrike

Meadowlark - Bank Swallow

Vesper Sparrow - Cowbird

Arkansas Kingbird - Coot

Arkansas Kingbird - Crow
Prairie Horned Lark - Northern Yellowthroat
Breckinridge Minn 303 mi
550 to 645 P.M.

Crow - Mourning Dove
Meadowlark - Kingbird
Shrike - Redwing - Prairie Horned Lark
Barn Swallow - Marsh Hawk
Arkansas Kingbird - Short Eared Owl
Baltimore Oriole - Flicker
Grackle - Night Hawk
Purple Martin

Fargo N. Dak 355 mi
8 P.M.

Staying at Gardner hotel
Left Fargo at 8⁴⁵ A.M.
June 16 - 1924

Martin - Chimney Swift - Kingbird
Mourning Dove - Meadowlark
Grasshopper Sparrow - Vesper Sparrow
Red Headed Woodpecker - Barn Swallow
Red Wing B.B. - Bobolink - Grackle

Shrike - Robin - Flicker - Crow
Goldfinch - Prairie Horned Lark
White Rump Shrike - Balt Oriole
Song Sparrow
Hillsboro N.D. 403 mi
11:08 A.M.

Kingfisher - Wren - Warbling Vireo
Clay Colored Sparrow - Flicker
Meadowlark - Grackle - Shrike
Crow - Kingbird - Marsh Hawk
Barn Swallow - Balt Oriole
Cowbird - Arkansas Kingbird
Red Wing B.B. - Bobolink
Vesper Sparrow only 10 ft away
Thrasher - Red Head W.P.
Grand Forks N.D. 493 mi
noon June 16-24

Kingbird - Meadowlark - Grackle
Mourning Dove - Ark Kingbird
White Rump Shrike

Wilson Phalarope 1st on
12 miles west of Grand Forks
Cliff Swallow - Crow
Marsh Hawk - Bobolink
Barn Swallow - P. Horn Lark
Yellowhead B. B. - Am. Bittern
Killdeer - Pintail Ducks
Shoveler Duck - Black Tern
Blue Wing Teal - Coot
Bank Swallow - Canvas Back
Sharp Tailed Grouse
Chestnut Collared Longspur
Ring Billed Gull - Franklin Gull
Photos of Gulls in field at
7:45 PM 25-4
Gulls in flight 50-4
Oatbird

533 miles to camp by
shore of big slough
near Stump Lake on
Monday eve June 16-24

Tuesday June 17-1924

Bobolink - Maryland Yellowthroat
Kingbird - Meadowlark
Black Tern - Yellowhead B.B.
Pintail Duck - Clay Colored Sp
Red Wing B.B. - Grasshopper Sp
Short Billed Marsh Wren
American Bittern - Shoveller
Red Head Duck - Ruddy Duck
Coot - Forster Tern - Sora Rail
Blue Wing Teal - Canvas Back

4 pictures of 1 young yellowhead
all 2 ft 8 25-4 740 AM

3 pictures of young Coot
One 25-4 2 ft 8 in - in water
One 50-4-3 ft " "
new roll film
One 50-4 - 4 ft

Three photos of Red Head Ducks
nest with 10 eggs

One 50-4	2 ft 8 in
One 50-4	3 ft
One 25-4	4 ft

One photo of male Redwing
on a weed

50-4 - 15 ft - no portrait
at 8,52 a.m.

Photos of Black Terns 13 eggs
Two spoiled - out of focus

One - 25-4	2 ft 8 in
One - 50-4	2 ft 8 in
One Gull in air 100-4	15 ft

Photos of ^{new rock #3} Bennett at Terns nest

50-4	50 ft	no portrait
50-4	25 ft	" "
100-4	25 ft	" "

Ferns in air 100-4 15 ft

The duck eggs in nest were
as follows :- One white egg
slightly larger than the others
Three a rich slate color
Six buffy slate

They are probably 1 Buddy Duck
3 Canvas Back and 6 Red Head
Duck eggs

Photos of 3 young Yellowheads
Three taken and all were
2 ft 8 in 50-8 10⁴⁵ am

Three photos of the Black Tern
on nest all 50-8 with
portrait 4 ft set at 25 ft

Saw the following birds today

Prairie Horned Lark
Vesper Sparrow
Long Billed Marsh Wren
Marsh Hawk - Kildeer
Franklin Gull - Ring Billed Gull
Yellow Warbler - Mallards
Warbling Vireo - Wilson Phalarope
Barn Swallow - Goldfinch
Sora Rail - Gadwall
Pintail Duck - Eared Grebe

Camping to night in the
yard of H. J. Schindele
Joliet, Ill., on the shore
of Stump Lake.

Wednesday June 18-1924
Barn Swallow - Catbird
Night Hawk - Cowbird
Olive Colored Sparrow
Ring Billed Gull - Meadowlark
Yellow Warbler - Kingbird

Goldfinch - Kildur
Photo

Loading for the trip to Lorn
Island 150-8 100 ft 9¹⁵am
probably spoiled

On way to Island saw the
Ruddy Ducks, Lesser Scaup
Widgeon. Frankem Gulls
Forenoon inspection of the
Colony of Double Crested
Cormorants nesting on Lorn
Island in Stump Lake
Contained 35 nests in all
26 Contained eggs
3 " young birds
6 were empty

Afternoon inspection of the colony of Double Crested Cormorants showed a change from the forenoon inspection

8 nests contained	1 egg
10 " "	2 eggs each
4 " "	3 " "
3 " "	4 " "
1 nest contained	3 young
1 " "	2 young
8 nests were empty	

Total 35 nests

The colony had apparently been disturbed since the forenoon as the same number of young were there but they were in two nests instead of three. Some eggs also were on the ground showing there had been some trouble

Set up a blind this afternoon
by some Ring Billed Gulls
nests on Loon Island
and tried to get some pictures
but failed as they would
not return to the nest while
the blind was there.

While in the blind I was
interested in watching the
birds family life.

Hundreds of young Gulls
just hatched were running
about the shore among
the nests and many
were swimming around
with their mothers.

It was very important
also that they stay close
to their mother for if they

got near any of the other old gulls they would be picked on the back of the head or back very severely in fact we found one dead chick with his head all picked up and several which were alive but badly picked.

Watched the old birds fight and also saw a pair of them have a tug of war which was very interesting.

Shores of the Island fairly covered with hundreds of nests containing eggs and young so we had to be very careful where we walked so as to not destroy any of them

Loon Island is about 4 miles across the lake from Schinle and is about 7 or 8 acres in size.

In 1882 there were 13 islands on Stump Lake and now there are only two and two others which are connected with the shore.

Mr Schinle the warden reports that the lake level has gone down 26 feet since 1882.

Water in the lake very strong alkali and there are no fish here at all. Four islands here are government bird reserves and are in charge of the warden Mr Schinle and birds have full protection and no hunting is ever allowed.

On Loon Island also we found a nest of the Pintail Duck on the ground in a gooseberry bush. We also found another duck nest containing 7 eggs in some young ragweeds on the ground within 10 ft of the Cormorant nests. This was probably a Gadwall. We'll look it up to morrow. We also found another duck nest on Loon Island which was covered with down and which contained only two eggs. This was probably the Lesser Scaup and the nest was in a clump of weeds on the ground. The eggs of the Cormorant were a very pale bluish white almost a dirty white.

Our trip today to Loon Island
was a wonderful one as
there were probably from
~~2000~~²⁵⁰⁰ to ~~5000~~³⁵⁰⁰ Ring Billed Gulls
there and to hear their
incessant cries as they
wheeled and arched over
your head in great
clouds was truly a
thing never to be forgotten.
As we walked along
the beach we saw
hundreds of young chicks
among the rocks and
when they saw us come
they toddled off to the
water and swam away
although only from a
few hours to a few days old.

On going out to Loon Island
this morning we passed
Gull Island which was
covered with Franken Gulls
which was also a pretty
sight. These Gulls are
smaller and seem to
have the majority on this
island while the Loon
Island was covered with
the Ring Billed Gulls only.
Mr Schuele very kindly
took us to Loon Island in
his boat today and brought
us back this evening in a
heavy wind and we rode
the white caps for four
miles to his home. We then
drove Mr Bennets car to
Jolna where we all had
supper and after mailing
some cards home and

buying some groceries we
started for the Schinck
farm in the rain and
it has been raining all
evening. We are in
Mr Schinck's house and
are writing up our notes
on his kitchen table by
his gasoline lamp.
Our trip today to the
Loon Island in Stump Lake
will long be remembered
as it was a wonderful
experience for me.
Wood ticks are very plentiful
here and we have been
fucking them off of our
selves this eve and putting
them in a bottle for Bennett
to photograph.

Stump Lake

June 19 - 1924

Still in camp at Schinck's and have worked around here all day as it has been very windy and cloudy. This morning we went up to the next house west of here and photographed the nest and eggs of the Sharp Shinned Grouse in their yard about 50 ft from the house on the ground among the badger brush or buck brush.

There were 10 eggs of an olive drab color with fine chocolate brown spots also with peculiar white scrawls on most of them. She was so wild I did not get a picture of her.

June 19-24
Stump Lake

We then went down to the
banks of the lake where
we found what appeared to
be a Lesser Scaup Duck
nest with 7 eggs and one
broken one. It was on
the ground in some grass
about 100 yds from the
water and on high dry
ground. It was covered
with dark brown down
mixed with grass and weed
stems. The eggs were
discolored and had been
of a faint bluish green
color. The nest had
apparently been deserted
as a small squirrel
ran from the nest when
we came up and one

empty shell lay a short distance from the nest. Mr Bennett then found a beautiful nest of the Kilder with four spotted eggs on the rocky banks near the lake. It was made of small stones or coarse gravel and the eggs were just the color of the stones. It was high and dry and about 100 yds from the water and among other large stones and rock.

I waited for the mother bird to return to the nest but she did not come nearer than about 25 ft so I left. Birds listed today were as follows:-

Stump Lake
June 19 - 24

Sharp Tailed Grouse
Kildeer - Lesser Scaup
Ruddy Duck - Ring Bill Gull
Franklin Gull - Sara Rail
Baltimore Oriole - Heron
Warbling Vireo - Yellow Warbler
Pintail Duck - Shoveller
Blue Wing Teal - Ruddy Duck
Yellowhead BB - Redwing
Wilson Phalarope
Black Tern - Mallards
Coots - Eared Grebe
Red Head Duck - Horn Lark
Barn Swallow - Meadowlark
Goldfinch - Kingbird
Bobolink - Ark Kingbird
Clay Colored Sparrow
Song Sparrow
Marsh Hawk

June 19 - 24 - Stump Lake

This afternoon Bennett and I went over about $1\frac{1}{2}$ miles west of here to Johnsons slough where we found many nests of Coots containing eggs and some young and many young were in the water. There were also countless yellowheads nests, one nest of the Eared Grebe (covered) one nest of the Ruddy Duck containing 10 of her own eggs and 4 eggs of the Red Head Ducks. I also captured two young Eared Grebes which I brought back to camp with us to photograph to marrow-

Stump Lake
June 19 - 24

There were a great many ducks of various kinds in this slough but we found only one nest with duck eggs in it but several were empty. We covered only a small part of the slough as it became late and it was so cloudy and windy that the waves ran high.

In camp tonight again at Schenck's and his son came home this evening. It has been very cool today.

Stump Lake

June 20 - 1924

List of birds for today
Kingbird - Clay Colored Sparrow
Song Sparrow - Yellow Warbler
Goldfinch - Barn Swallow
Cowbird - Catbird -
Ruddy Duck - Lesser Scaup
Ring Bill Gulls - Eared Grebe
Maryland Yellowthroat - Marsh Hawk
Black Tern - Horn Lark
Meadowlark - Crow
Killdeer - Franklin Gull
Baldpate - Bobolink
Sharp Tailed Grouse
Spotted Sandpiper
White Pelican
Semi Palmated Plover?
Having kept the two young
Eared Grebes in camp
all night the first thing
we did this morning!

Stump Lake
June 20 - 1924

was to take them to the lake and get some pictures of them swimming. Burnett took a movie of him and wanted him to put on an exhibition of diving but he did not dive until the film was all run off and then down he went.

Noticing a pair of Marsh Hawks in the air directly south of the Sharp Tailed Grouse nest we went down there and soon located the nest on the ground

with four young hawks
which were apparently
about four to six or
seven days old.

The nest was made
entirely of hay or dead
grass and was on the
ground among the
badger brush in a
dry place about 100 yds
from a low place
in a cultivated field.
No marsh was near by.
There was a young dead
bird in the nest which
had no head but we
thought it was a sparrow
but could not tell as the
head was gone. It had
no doubt been brought
by the old birds to feed
the young.

Stump Lake
June 20 - 1927

We photographed them and took movies of them and then went to the Kilders nest again where Bennett put up his blind and I left him and followed the lake shore back to Schinck's.

On the way I first found a nest of Clay Colored Sparrow in the grass but it was empty.

I soon located another one with two eggs in it. It was made of dry grass and lined with hair. It was 8 in from the ground and on some dead grass and some dead fadger

brass. The eggs were
a beautiful deep blue
with dark brown
specks on large ends
I soon found another
nest of the same kind
with 4 eggs in which
was made of dry
grass and lined with
hair. It was on the
ground in a clump
of dead grass on the
bank of the lake, high
and dry and about
100 ft from the water
I soon found another
nest containing four
young Clay Colored
Sparrows just hatched
and one young Cowbird
I soon disposed of the
Cowbird and went

June 20th 1924
Stump Lake

on leaving the nervous
mother bird to care for
her own babies.

This nest was 5 m from
the ground in dead grass
and in a wild rose bush.
Went to the house alone
and had some lunch
and went to find
Bennett. He was up at
the Grouse nest taking
pictures. One egg had
hatched and while we
were photographing him
another one hatched.
They try to take to the
grass at once.

They are a beautiful
golden yellow brown
color with head and

back spotted with black
and dark brown spots
While we were there
the mother bird became
more tame and we
could approach quite
near before she
would flush.

Burnett took some
pieces of the young
birds trying to crawl
into the grass and
staid there until
there were five chicks
hatched.

I left him and walked
to the bird reserve which
was formerly an island
but which is now
connected with the
main land. I saw a
White Pelicans and

June 20 - 1924

Stump Lake

some ducks and a
pair of Spotted Sandpeps
but found no nests.
Saw several birds
which looked like
the Semi Palminated Plover
but was not sure of
them. Will try to see
them again tomorrow
are in camp tonight
at Mr Schuler's and hope
to get to Loon Island
tomorrow

June 21st 1924

Awoke bright and early
as it was clear and still
and we wanted to spend
the entire day on Loon
Island. We loaded our
boat and started early
and as we passed the
small Gull Island a
great flock of Frank's
Gulls arose with their
storm of loud cries which
was a great sight.

We went straight to Loon
Island and Bennett set
up his blind near the
Cormorant Colony and I
set up mine on the
west end of the Island
to try for a few "shots"
at the Ring Bill Gulls

June 21st

I took a few pictures but they did not come up very close as they were very shy. At noon I went over to Benin's blind and we photographed the nest and 6 eggs of the Lesser Scaup which was just 10 ft west of the group of Cinnamon Teal nests. It was a fine nest made of dried grass and weed stems and was on the ground among some green rag weeds about 15 to 18 in high. It was lined with dark brown down and was interesting from the fact that it

was so close to the
Cormorants and among
the thousands of clamoring
hungry gulls. It was
not over 30 ft from the
water and in a high
dry place.

We then went to the most
beautiful nest we have
found thus far.

It was a nest of a Pintail
Duck on the ground
under a large gooseberry
bush. It was about the
center of the bush and
under a prickly tangle
and very well concealed
although not covered
with down. It was made
of very dark brown down
mixed with short dry
sticks and a very beautiful

June 21st

nest and contained 10
cream colored eggs.

The nest was on a high
point at least 150 ft from
the lake.

On the north side of the
Loon Island we found
a nest of the Gadwall
with seven olive buff
eggs. This nest was on
the ground in a tuft
of green and dry grass
about 40 ft from the
water and in a high
dry place. The nest was
made of dry grass
and had very little down
in it and was not
covered.

I found another nest with 6 olive buff eggs on the ground in a bunch of grass about 30 ft from the water which we thought was another Gadwall nest. It was made of dry grass and had very little light brown down in it. No photographs were taken as we were not sure of the bird.

I then left Bennett in his blind and I went back to mine and tried for at least two hours for some more Gull pictures but without very good success as they were very shy. Late in the afternoon Bennett came over to my blind and we struck out

June 21st

for the storm bungalow
across the lake to get
under cover from the
storm which was fast
approaching from the
west. It started to rain
before we got across
but we landed and
carried all our luggage
to the bungalow where
we looked across the
lake and watched the
thunder and rain storm
pass over the lake.
After it was over we
put out for Gull Island
which was very small
but was alive with Gulls.
We estimated the number

of adult Ring Bills at
300 and perhaps that
many young. Here also
was a flock of perhaps
5 or 600 Franklins Gulls
which were very beautiful
in their undulating
flight. I found only
13 Ring Bill nests that
contained eggs. The others
had probably all hatched.
We estimated the number
of Ring Bills on Loon
Island at not less than
2500 and perhaps 1500 or
more young also and
the noise they make is
almost deafening when
anyone intrudes on
their island.

As I intended to get some
pictures of the Cormorants

June 21st

from Benetts flint later
in the afternoon I was
rather disappointed as
the rain storm spoiled
all my plans.

The sun came out
bright and clear as
we were on Gull Island
and the storm clouds
having passed over to
the east and south
made a very beautiful
effect over the lake
as we were rowing home
and as the bright rays
of the setting sun lit
them up in such a
nice way I took a
picture from the boat

although it was 8⁰⁵ P.M.
This being the longest day
of the year it was still
very light so we went
to Tolna for food
supplies and returning
at 10 P.M. there was
still a golden glow
in the north west from
the setting sun.

The most interesting thing
seen during the day
was my observations of
the actions of the Ring Bill
Gulls from my blind.
When the young of another
bird got too close to
another adult bird he
would be severely
attacked and pecked on
the back and especially
on the back of the head

June 21st

From the blind I saw this done lots of times both in the water as well as on land and I thought they would kill the young they were so severe in their attacks.

We did not crawl into our blankets until just midnight but although tired out we felt fully repaid for all our efforts and the day we spent with the Gulls and Cormorants on Loon Island will be one never forgotten. It was the

Longest day of the
year and but many
suspects the most
interesting of the year.

List of birds observed or
heard today was as follows

Song Sparrow - Red Wing BB
Yellow Warbler - Franklin Gull
Clay Colored Sp - Ring Bill Gull
Barn Swallow - Catbird
Meadowlark - Crow
Kingbird - Lesser Scaup
Spotted Sandpiper
Mallards - Double Crest Cormorant
Bobolink - Grasshopper Sp
Gadwall - Baldpate
Ruddy Duck - Black Tern
Semi Palmaried Plover
White Pelicans.
Forster Tern - Marsh Hawk
White Wing Scoter

June 21-st

In our conversation with Mr. Schinell today he told us that his father who was an early settler here hauled buffalo bones and sold them for 7⁰⁰ per ton to get money to build his first frame house. This was in 1886. The buffaloes had been herded out on some point of land in the lake and slaughtered and their bones left to bleach in the Dakota sun. Now these great animals are all gone and

the other game will
also be gone in a
few years unless they
have the proper
protection.

Sunday June 22nd
We awoke this morning
to find it was raining
and we are in camp
reading and writing
up our field notes
waiting for it to clear up
While in the blind yesterday
on Lorn Island I watched
the Ring Bill Gulls in
their family life which
was very interesting.
The nests contained either
two or three eggs which

June 22nd

were clay colored to dark
buffy evenly marked
with chocolate. Each
mother bird of course had
either two or three chicks
but mostly only two.

They were covered with
light gray down and
streaked over the back
and head with dark gray.
They ran about among
the rocks on the shore
squealing for food and
occasionally a mother
would regurgitate or
discharge some matter
which the young would
eat very ravenously.

I observed as many
as four young crowding

around and eating this matter and the chicks not belonging to this mother was not picked as was otherwise done. The matter disgorged I could not see but it was not in large pieces excepting in one case when it seemed to be a small fish about 4 in long. The young could not eat this so the mother ate it again. Many of the young would get up in the grass and hide and would also hide between the large rocks but as soon as the old birds saw us come they gave

June 22nd

the danger signals and the entire flock of young would toddle to the water's edge and start swimming out into the lake with hundreds of the old birds

swimming with them and other hundreds in the air and all screaming lustily. As soon as the danger was past the chicks would all come back to shore.

We waited indoors today for the rain to cease and the weather clear up and could not go

out until 4 PM when
we went over to Stony
Island to look for
duck nests.

We failed to find the duck
nests but I found one
nest of the Clay Colored
Sparrow in a gooseberry
bush with four eggs
and Bennett found a
very beautiful nest of
the Spotted Sandpiper
with four eggs in it.
The nest was placed on
the ground and beneath
a projecting rock and
so cleverly that she
hid the nest we would
never have found it
had she not flown
from it just as Bennett
approached.

June 22nd

The nest was made of dry sticks and fine weed stems and the eggs were a creamy buff with heavy and light spots of chocolate brown evenly distributed all over the eggs. It was up about 75 ft from the water edge and on a high dry elevation among large rocks and covered over all was a tangle of gooseberry bushes. As it was under this rock and in a dark place we did not try to photograph it but it certainly was placed

in a fine place and
cleverly concealed.
On the other side of
the Island Bennett
found another nest
of the same kind which
contained only two eggs.
It was on the ground
among some green
weeds and about 8 ft
from the water and
built just like the first
one was.

A short distance away
he soon found another
spotted Sandpiper nest
on the ground among
some green weeds and
some very small
gooseberry bushes. This
nest also had four

June 22nd

eggs and after cutting away some of the weeds we took some pictures. The nest was on the ground among very large rocks about 100 ft from the water.

It was now getting late so we rowed across to the bar on Plover Island where we had been watching what we thought were Semi-Palmated Plovers but after looking them over carefully we decided they were the Piping Plovers.

Bennett and I both
saw them real well.
Their description is
as follows:- No black
around the eye.
Forehead white,
Front of crown black.
Black band clear across
the breast. Bill reddish
Rest of underparts pure
white including throat
Crown, back of neck,
wings and back a light
ashy brown, rather light.
One bird did not have
the black band clear
across the breast.
Legs were yellow

As we had our breakfast
at 10 A.M. and had no

June 22nd

dinner it was now
nearly 8 o'clock and we
were very hungry so
pulled for the other
share and got our
supper which tasted very
good as it had been
over 10 hrs since we
had tasted a bite.

Days are very long in
this latitude at this
time of year and after
we had washed dishes
we went outside
at 9³⁰ P.M. and
newspaper print was
still legible.

Standing on the north
side of the house
we listened to the last

sounds of wild life for
the day and it was
wonderful.

From across the lake
about 3 miles away
came the sound of the
thousands of gulls who
were apparently just
getting settled for the
night. Around the point
could be heard the
quacking of some ducks
and in the bushes near
by was the last buzzing
note of the Clay Colored
Sparrow. Away in
the distance could be
heard the booming of
the Prairie Chickens and
in the dusk could be
heard the whistling of

wings of passing ducks
Slowly the glow was
fading from the sky
from the northwest and
stillness settled over the
lake and all its
varied wild life just
after the Night Hawk
winged his way across
the sky with his
familiar harsh note.
As I stood there
drinking it all in I
thought what a wonderful
thing it is to live in
this world amid all
these creatures and
be able to study and
appreciate them

Mon June 23rd

Monday June 23rd
Left our camp in the
yard of H J Schindler
in Stump Lake this
morning ^{9:30} after taking
some photos of Mr Schindler
and his son. Did we bid
them good bye and
started for Devils Lake
and Spiritwood Lake.
Speedometer read 17595
when we left Stump Lake.
We reached Devils Lake
after driving over muddy
roads and trails and
buying some supplies
started for Spiritwood
Lake via Minnewaukan
as the roads were too
bad via Ft Totten.
We arrived at the

State fish hatchery on
Spiritwood Lake State
this eve and found that
Mr Judd was not here
but were welcomed by
Al Eastgate who was fur
charge. We are in
his shack where we
will sleep in a bed
with spring and
mattress to night.

On the way here today
we passed through
Carbington where I
called on Harry Runners
The birds listed on the
trip today from Stamp Lake
to Spiritwood Lake via
Devils Lake a distance
of 157 miles we list the
following birds

Monday June 23rd

Black Billed Cuckoo
Bank Swallow - Catbird
Mourning Dove - Bobolink
Redwing Blackbird - Yellowhead BB
Baltimore Oriole - W Yellowthroat
Barn Swallow - Meadowlark
Kingbird - Grasshopper Sparrow
East - Eared Gull
Clay Colored Sparrow
Gadwall - Blue Wing Teal
White Throated Shrike
Shoveller Duck - Pintail Duck
Ark Kingbird - Vesper Sparrow
Kildeer - Marsh Hawk
Mallard - Black Tern
Franklin Gulls - Crow
Horned Lark - Wilsons Phalarope
Ruddy Duck - Goldfinch
House Wren - Long Bill Marsh Wren
Robin - Grackle - Prairie Hen

American Bittern - Cowbird
Bluebird - Thrasher
Short Eared Owl - Kingfisher
Black Crown Night Heron
Western Willett - 45 Vast

Tuesday June 24th
Left McEwing at the
flea hatchery this morning
at 8⁴⁰ and started for
Chase Lake. Oedometer 17752
Birds listed to day in the
drive of 65 miles were
as follows: - Thrasher - Catbird
Robin - Yellow Warbler - M Dove
M Yellowthroat - House Wren
Clay Colored Sparrow
Bobolink - Meadowlark
Flicker - Kingbirds - Redwing
Cowbird - Baltimore Oriole

Tuesday June 24th

Ark Kingbird - Night Heron
Bank Swallow - Grasshopper Sp
Savanna Sparrow - P. Hawk
Bathonian Sandpiper
Vesper Sparrow - Prairie Hen
Coot - Kildeer - Blue Winged Teal
American Avocet - Mallet
Baldpate - Gadwall
Black Tern - Western Gull
White Pelican - Wilson Phalarope
Yellowhead BB - Franklin Gull
American Bittern
17 Chestnut Collared Longspurs
Hudsonian Godwit
Forsters Tern - 41 varieties
Had lunch at lunch room
at noon at Woodward
and came direct to
Pittsboro where we presented
our letter of introduction

from Mr Eastgate to
Mr H. H. Macomber who
immediately dropped
his work at the cream
station and got two
boats for us and loading
one on his Dard and
another in another Dard
we immediately started
for Chase Lake a distance
of 10 miles over the wild
prairies. All the people
of town looked rather
surprised and stood
with open mouths as the
two cars ahead with
the boats led the way and
we followed going
southward over the prairies
After reaching the lake we
immediately went over to

Tuesday June 24th

The island where there is
a great colony of White
Pelicans nesting.

They arose in a great
cloud when we came and
a wonderful sight it was
There must have been about
700 or 800 old birds and
quite a number of young
and eggs. There were
young of all sizes from
those just out of the shell
and who were a flesh color
without even down on them
up to those nearly one
third grown. These looked
like freshly picked chickens
and the all massed together
in great masses of a
hundred or more when

we came up to the nests
There were also at least
1000 or more Ring Bill
Gulls on the island which
circled overhead with the
Pelicans making a very
loud noise with their
screaming. The shore
was also filled with young
Ring Bill chicks but we
found very few eggs as
they were apparently all
hatched. Pelicans nests
were in two locations
several hundred yards apart.
The only sound I heard
the old birds make while I
was in the bird blind was
a sort of a guttural grunt
while the smallest chicks
made a noise similar to

Thursday June 24th

a real small pig.

The eggs were large and two eggs to each nest.

The eggs were creamy white with chalky appearance and somewhat stained.

The nests are in colonies together on the ground.

A small pile of loose dirt about 3 to 4 in high is hollowed out and lined with a few coarse weed stalks.

The Ring Bill Gulls came to the nests and devoured the fish which the old birds had brought for the young when the old birds were away.

I watched this from the

blind and when the old
Pelicans returned they did
not drive the Gulls away
either.

We have been watching
a beautiful pair of Auklets
on the Island and while
I was in the blind Burnett
found a nest which we
believe is theirs.

It contained 3 eggs of a
buffy clay color which
were heavily spotted with
charcoal. They were quite
pointed on the small end
and were much smaller
than the eggs of the Ring
Bill Gulls with which
we are so familiar.

The nest was on the ground
only about 50 ft from water.

Tuesday June 24th

and in a small hollowed
out place which was lined
with fine weed stems & grasses.
Size of eggs about $1\frac{7}{8} \times 1\frac{3}{8}$
The birds were very beautiful
and in flying trailed
their long legs behind and
held their tail down and
as their long bill turned up
at the tip they could be
readily identified in
flight. I watched them
for an hour through
my glasses and they
came up about 75 ft from
me in the grass. They
would act as if expect
to lure us away from
their eggs.
Tonight we are in

camp in the prairie
grass right beside the
strong alkali waters of
the shallow Chase Lake
and it is a very dark
night with only a few
stars twinkling overhead.
The Gulls over on the Island
have clamored all evening
and it is now about 11⁴⁵
and they are just getting
quiet. We are 10 miles
from town and many
miles from the nearest
farm house beside the
lake in inky darkness
through which I can be
heard the calls of the wild
life. Truly a life in
the open where one has
plenty of room.

Sunday June 24th

Eight miles west of Prague
on the way to Woodworth
this forenoon we came
past a large slough by
the road in which were
two pair of Western Willets
They apparently had their
nest there as they
appeared very excited when
we stopped. The car and
got out. We looked
around in the grass but
failed to find it. They are
large beautiful birds
especially in flight
when their beautifully
marked black and white
wings show up very
prominently.

Wednesday June 25th
After breakfast in our camp
on the west shores of
Chase Lake this morning
we again paddled our
little duck boat back to
the Pelican Island. We were
loaded with four cameras
two flnds, two tripods, two
camp chairs besides a
lot of film and other
incidental so our little
duck boat had to be
handled very carefully to
prevent a spill which
would have been a
calamity with such a
valuable load. I set up
one flnd near the
Pelican colony and
Bennett set up the other

Wed June 25th

on the opposite end of the Island near a nest of what we thought was the Avacit as there was a pair of them near by. I went into my blind at 9 A.M. and after waiting two hours I gave it up as the Pelicans did not come up very close.

I watched them carefully from the blind however and noted the manner of getting started to fly. They are so heavily built large that they have to take three or four jumps with both feet together before they can raise. They do that run in

doing this but jump and
it is a very awkward
performance. When they
get in the air however
they soar very beautifully
sometimes going so high
they almost disappear
from sight. There were
two nesting colonies of
over 100 nests in each
colony. These colonies
were perhaps about
100 yds apart.

We then took some pictures
of a duck nest on the
ground made of weed seed
and weed stems and lined
with some dark down.

It contained 9 eggs of a
creamy white and there
were also two stones in there

Wed June 25th

The eggs were just 2 in long and we guessed them at first to be the Blue Wing Teal but decided later that they were rather large. The nest was on the ground among a few green weed and under some dry ones and about 150 ft from the water. Bennett had been getting good results from the blind at the Procoets nest so I went into his blind there and inside of a few minutes she came back to the nest where one chick had hatched and one egg was just being pecked.

I took seven or eight
photos of her in rapid
succession before she
became shy and before
leaving the blind I had
taken the entire roll.

It was a wonderful
experience and one
which we may never
have again as this
bird is becoming rare
and besides we would
never have been able
to photograph her had
it not been that her
young were just
hatching and she
came back to the nest
but 25 ft from the blind
on that account.
There were three eggs in

Wed June 25th 1924

this nest when we found
it yesterday and this
morning one egg had
hatched and while
Bennett was working
with it the little fellow
got away and he was
unable to find him
as they lay flat on the
gravel beach and do
not move or squeal
and as they are exactly
the same color as the
gravel it is almost
impossible to see them
although they are in
the open. After both
of us had taken as
many as we liked
we left there and as

we removed the blind
the last egg hatching
making a 100% hatch
and we hope all of them
survive and become
snap beautiful birds
as their parents.

The chicks were a beautiful
golden brown streaked
and spotted with black
on head and back.

We also found a very
fine nest of a Blue Wing
Teal on Pelican Island
and photographed it
before we left.

It was on the ground
among some very
sparse dry weeds and
had the nest down
of any nest that we

Wed June 25th 1924

have found. The down
had a few dry weed
stems in it and the
down was very dark.

Twelve creamy white
eggs were in the nest
and they were $1\frac{3}{4}$ in long.
A large blotch of fresh
manure was on some
of them and this we
have learned is usual
in a Blue Wing Teal
nest as it is usually
found this way.

We paddled our duck
boat back to main land
about 3 PM and after
eating some lunch
we started for the
north again at 3:45.

intending
to reach Winnebago
if possible but a little
north of New Rockford
we broke the bearings on
the right front wheel
which delayed us so
we are in the New
Rockford tourist camp
to night.

Birds listed from Chase
Lake to New Rockford
Today a distance of 76
miles were as follows:-
Pelican, Ring Bill Gull
~~Herring~~ California (?) Gulls, Avocet
Willet, Blue Wing Teal
Forsters Tern, Kingbird
Meadowlark, Redwing BB
Vesper Sparrow, Prairie Hens
Chestnut Collared Longspurs
Bobolink, Marsh Hawk

Wed June 25 - 1924

Yellowhead BB - Cowbird
Arkansas Kingbird - Bank Swallow
Prairie Horned Lark - Gadwall
Pintail - Black Tern
Coot - Baldpate -
~~Blue Wing Teal~~ - Shoveller
Killdeer - Wilson Phalarope
Short Eared Owl - Grackle
Burrowing Owl.

Thursday June 26-1924
Left the tourist camp at
New Rockford at 8:15
this morning starting
north and arrived at
Mauvais Coulee at 10:30
This is ^{just 50 miles from New Rockford} just a coulee
between the low hills
about 10 miles east of
Minnewaukon and on
the east side of what
was formerly known as
Grahams Island but which
is now a part of the
main land and is
covered with timber.
Owls Lake like most
of the other lakes here is
receding and Grahams
Island is not an Island
now only in name

Thursday June 26 - 1924

We stopped on the west side of the bridge and I immediately got into my hip boots as we were told by Mr Eastgate that Camps Least Bottom was found here,

I had not been wading 10 minutes before I got in over my hip boots and went back to the car with water in my boots.

The sun was very hot and after trying to dry off for a few minutes I decided to go back again in spite of the wet clothes and boots

I started south along the
east side and had
not gotten over 500 yds
from the road before a
male Wilson Phalarope
flew overhead very
excited so I decided
he had a nest nearby
so went over in the
grass about 50 yds
away and pulling off
my wet clothes and
boots I spread them
on the grass in the
hot sun to dry while
I watched the Phalarope
after spending an hour
or more watching him
and searching the grass
I went back to the car
when we had lunch

Thursday June 26-1924

and then I went back determined to find the nest of the Phalarope. As I approached he flushed again and keeping my eyes on the exact spot I went there and looking very carefully I did not find a nest but found two young which were only a few hours old or at the most one day old. They had crawled down under the dead grass and lay perfectly still and were almost impossible to see. I called for Bennett

and we both photographed them and then left them there in the grass. They were a beautiful golden brown, streaked with black. Bill black and legs a slaty black. Feet large.

While wading the Coulee in the forenoon I found a fine coots nest with 8 eggs which I photographed. It was a floating platform made entirely of dry cat tail rushes and built up about 6 or 8 inches above the water.

We left Manwaig Coulee for Spentwood Lake at 3:45 P.M. and arrived here at Spentwood Lake at 8:15 P.M.

Thursday June 26 - 1924

We are staying with
Mr Eastgate at the fish
hatchery and have a
room in his cottage.
Bird list from New Bedford
to Manwais Coulee and
back to Spiritwood Lake
Today a distance of 151
miles were:- Meadowlark
Robin, - Kingbird - Grackle -
Barn Swallow - Bobolink
Marsh Hawk - Prairie Hen
Chickadee Collared Longspur
Black Tern - Red Wing BB
Bank Swallow - Killdeer
Bathurian Sandpiper
Arkansas Kingbird - Crow
Grasshopper Sparrow.
Mourning Dove - Vesper Sparrow

Prarie Horned Lark
Swainson's Hawk
Wilson's Phalarope
Savanna Sparrow
American Bittern
Shoveller Duck - Yellow Warbler
Cowbird - Mergant Shrike
Song Sparrow - Goldfinch
Ruddy Duck - Yellowhead BB
Long Billed Marsh Wren
Northern Yellowthroat
Willitts - Blue Wing Teal
Clay Colored Sparrow
Mallard - Burrowing Owl
Bluebird - Brown Thrasher
Night Hawk - 42 varieties

Friday June 27 - 1924

It rained again last night and early this morning so it did not look very favorable for us to start for home but we put on the chains and after taking some pictures of Mr Eastgate and his boys we started. Mr Eastgate gave us a room and bed last night and a fine breakfast and dinner to-day before we started. We left there at 1 P. M. bound for Jamestown. The roads were very muddy and slippery and it was very difficult to drive. We inquired for mail again at Jamestown but had none.

I wanted to go by the way of
La Moure but the roads
were too bad that way so
we started for Fargo.

The roads were gravelled
most of the way and we
arrived at Fargo at 9:20 P.M.
having gone 118 miles
since 1 P.M. with some
of the roads very bad
Berdo listed from
Spartwood Lake to Fargo

this afternoon were:-
Cedar Waxwing - Yellow Warbler
Clay Colored Sparrow - Kildeer
Bartramian Sandpiper - Catbird
Song Sparrow - Bank Swallow
Chimney Swift - Meadowlark
Red Wing B.B. Tit Kingbird
Night Heron - Robin
Ring Bill Gull - Mourning Dove
Bobolink - N Yellowthroat

Grasshopper Sparrow - Crow
Kingbird - Grackle
Flicker - Night Hawk
Migrant Shrike - Willitt
Black Tern - Coot
Shoveller Duck - Marsh Hawk
Yellowhead Blackbird - 3/22
We have a fine large
room with bath at the
Gardner Hotel in Fargo (3-52)

Saturday June 28th
We awoke this morning to
find it had rained
considerable during the
night and was still
raining. Went to the garage
in the rear of our hotel
and put on the chains
and buttoned up the side
curtains very tight and
started eastward. It was
not a pleasant prospect
but we decided to go
as far as possible.

As there was a stretch
of 40 or 50 miles of
gravel roads on the
King of Trails Highway
just south of Moorhead
we decided to go directly
east to Detroit as there was
more gravel roads that way.

Saturday June 28th

We left Fargo at 10³⁰ a.m.
and arrived at Detroit
at 2²⁵ P.M. a distance of
51 miles. It had been
raining nearly all of this
time and the roads were
bad. We then started
south and reached
Alexandria just 140
miles from Fargo at 8 P.M.
and had supper there.
After supper we drove on
a fine gravel road to
Glenwood 159 miles from
Fargo where we are in
camp at the Tourist Camp
high on the hill overlooking
the lake. The region we
passed through to day
has been entirely different

from what we had seen
before. It rained until 3 P.M.
Instead of alkali lakes
there has been scores of
beautiful fresh water lakes
and instead of treeless
prairies we have found
beautiful timber of white
Birch, Spruce, Fir,
Tamarack, Balsam of Gilead
Oaks and other large trees.
Just a few miles west of
Detroit we encountered
the first white birches and
we have seen them all
afternoon.

The bird life is also
changing. We heard the
Bartramian Sandpiper
just 16 miles east of Fargo.
Other birds listed in Minn.
Today from the car were

Sat June 28th

Great Blue Heron - Song Sparrow
yellow Warbler - Black Tern
Red Wing BB - Crow
Red Eyed Vireo - Crested Flycatcher
Clay Colored Sparrow -
Cedar Waxwing - Wilson Thrush
Marsh Hawk - Warbling Vireo
Choebe - Robin - Frank's Gull
Yellowhead BB - Cowbird
Purple Martin - Belt Oriole
First Red Head Woodpecker
about 3 miles east of Henning
Minn. and the Bridge
Bunting and Chestnut
Sided Warbler about 6 or 7
miles south east of
Henning Minn. in woods
Black Billed Cuckoo
Kingfisher - 26 - varieties
Curtains down all day so

we could not see them well

Sunday June 29th
Left the tourist camp at
Glennwood Mine at 7:20
A.M. with clear sky at last
and there was no rain
during the night.

There were lots of detours
on mud roads but we
finally struck good gravel
again and sailed along
143 miles till we came to
Lake Benton where we
had dinner at 12:45

Birds observed today were
Flicker - Northern Yellowthroat
Robin - Red Eyed Vireo
Field Sparrow - Yellow Warbler
Chested Flycatcher & Kingbird
Clay Colored Sparrow

Sunday June 29th

Song Sparrow - Barn Swallow
Grackle - Bank Swallow
Robin - Kilder - Crow
Redwing B. B. - Swift
Meadow Sparrow - Catbird
Cowbird - Mourning Dove
Yellowhead B.B. - Thrasher
Black Tern - Meadowlark
Blue Bird - Ark Kingbird
American Bittern - Redhead B.P.
Horned Lark - White Rumped Sparrow
Bobolink - Baltimore Oriole
Vesper Sparrow. The first
Blue Jay seen about 4
miles south of Canby Minn
36 varieties

The first pink Phlox to
be observed was just a
little east of Dawson.

Had supper at Le Mars
Iowa and arrived at
Brummetts home in Sioux
City safe and sound
at 7³⁰ P.M. after having
driven 285 miles today
over muddy detours and
through three rain
storms. All birds on
todays list were in Minn.
Have a very fine room
at Walter Brummetts home
and have packed my
trunk and my canvas
bag ready to go in the
morning.

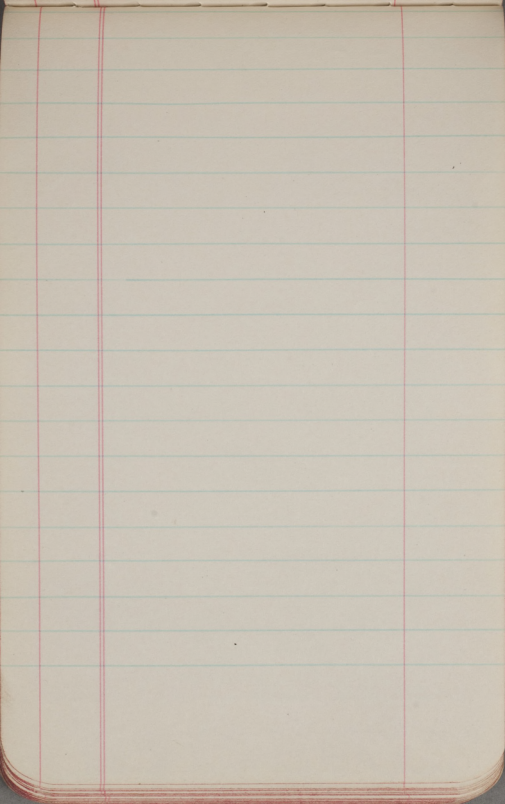
Total mileage covered by
the car on this trip
was 1609 miles

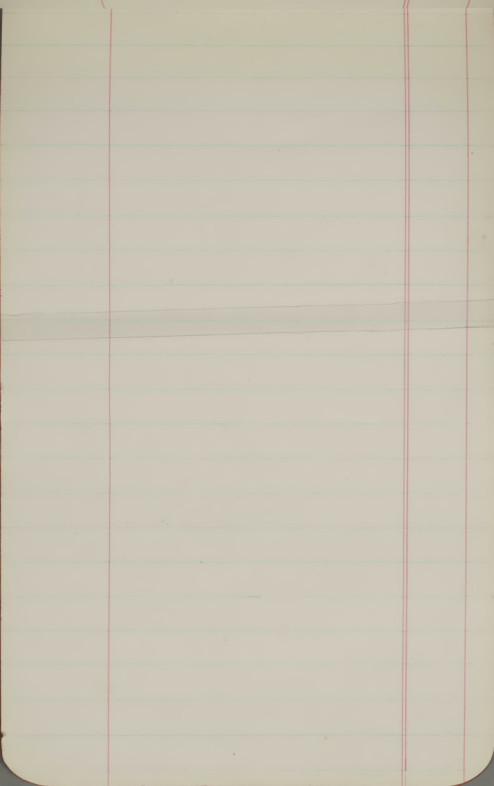
Mon June 30th

Went down town with
Bennett this morning
at 8 a.m. after bidding
good bye of Mrs Bennett
and met Mrs Barby
down town and we
went out to Morningside
College where we had a
conference on I. O. U.
matters with Dr Stephens
Got back to town in
time to leave my 21 rolls
of film at Giermannaus
for developing and got
to the depot just in time
to catch the 11:30 P.M. & N.W.
train for Missouri Valley
Arrived there at 2 P.M.
and had to wait
until 4:45 for my train

last. Arrived home at
about 8 P. M. and in
looking back over my
trip I think that from
the standpoint of bird
study it was the
greatest event of my life
as we observed so
many different varieties
of birds and especially
the game birds and
I took 2 1/2 pictures while
Bennett I am sure took
over double that many
besides about 500 ft of
movie film.

A series of between 600
and 700 bird pictures
should be valuable as
well as interesting and
we can hardly wait
until they are finished





H. J. Schindels
Salva N. Dak.

Alfred Eastgate
Battineau N.D.

Wild Life School
Aug 3-15 1924
Bird Day Thursday Aug 14



