



— AT —
UNION STOCK YARDS.

My dear Mother
I have just received
your letter of the 11th
and am glad to hear
that you are well.
I am well and hope
this letter will find
you the same.
I have not much news
to write at present.
I am still in the
same place and
doing the same work.
I hope to hear from
you soon.
Your affectionate son,
John Smith

[illegible]

July 1914

April 1915

De 250 3477

Apr 265 62 39

Church	13.20
Parsonage	43.52
	56.72

Our
Sweet Tax

7810	4028
------	------

7810	3528
------	------

7556

7557

Honne Needlework
Pictorial Review
Christian Herald
Little Folks

Feb 1915 1224

Feb 1916 inc in Mar

July 1915 2414

July 1916 537

Sept & July Inc

Blomquist 86 ¹⁵

Feb 4705

Metee 538 Mar 5-17

Box 2 - 17
Contract with [unclear]
for [unclear] [unclear]
[unclear] [unclear] [unclear]
@ 490 in bin [unclear]
[unclear] [unclear] [unclear]

Dr J J Strawn
12th Floor
Equitable Bldg
New York
[unclear] [unclear] [unclear]

C A N. [unclear]
1107 West 3rd St
Brimda

Joseph H. Dodson
702 S. Harrison Ave
Kaukaee Ids

Crescent Co
Bendville
Jones River N.J.

Anna Carlsons
175 Ocean Front
Venice Cal

14 X 16 X 8 1/2

4 X 8 1/2 X 16 1/2

J. S. Whittle

Kingston Ont

#154789 Canada

% Mowat Hospital

Dorothy Bram
2517 Prairie Ave
Chicago Ills

Scap
Room 1100
Fleming Bldg

Buffalo Records
Chick D S

1914 1914

1915 1915

1916 1916

Carron Est 3⁰⁰

Manson Est 2⁰⁰

Burchart Est 2²⁵

Orwell 2⁵⁰

Drives

Phila D. S.

1914

red
1916

new
1916

Drarters

Phila

D.

S.

1914

1916

1917
new

Birds 1917

Mar 7 Robins

" 10 Ducks

" 10 Bluebirds

" 12 Meadowlark

" 26 Red wing Blackbird

" 27 Shrike

Apr 1 Sparrow Hawk

" 1 Grackle

" 8 Killdeer

" 15 Turtle Dove

" 23 Chimney Swift

May 7 Thrasher

" 11 Rose Breasted Grosbeak

" 11 Wren

" 12 Martin

" 12 flock of blue jays

" 12 red head wood pecker

" 12 Evening Grosbeak

" 13 Oriole

" 13 Kingbird

" 17 Catbird

" 17 Bobolink

" 17 Wrens nesting

" 18 Canary

May 23 - Young robins flying
June 8 4-B. Cuckoo
26

Texas	1787
Wash. Univ. State	1783
Nova Constellation	1783
New Jersey	1786
Mass # 437	1787
Virginia	1773
St. Francis	1722
Vermont (2)	1788

#587

Unused stamp mounted
13-30-50 Franklin
also airplane

Half Cents Half Dimes

				1842	66
1794			1795	1843	67
1795			1796	1844	68
			1797	1845	69
				1846	70
				1847	71
			1800	1848	72
1800			1801	1849	73
	1825	1849		1850	
1802	1826	1850	1803	1851	
1803		1851		1852	
1804	1828		1805	1829	1853
1805	1829	1853		1830	1854
1806		1854		1831	1855
1807		1855		1832	1856
1808	1832	1856		1833	1857
1809	1833	1857		1834	1858
1810	1834			1835	1859
1811	1835			1836	1860
				1837	1861
				1838	1862
				1839	1863
				1840	1864
				1841	1865

	1820		1868		1916	1875
	1821	1845	1869			1876
1798		1846	1870			
1823	1847					1878
1824	1848					
1825	1849	1873				
1850		1874				
1827	1851	1875				
1828	1852					
1805	1829	1853				
1830	1854					
1807	1831	1855				
1832	1856	1880				
1809	1833	1857				
1834	1858					
1811	1835	1859				
1836	1860			1908		
1837	1861					
1814	1838	1862				
1839				1911		
1840	1864					
1841						
1842				1914		
1843	1867					

quarters

1820

1893^{ex}

1846

1877

1854

1855

1832

1856

1834

1835

1860

1838

1818

1 ray voliers

			1866		
				1891	1915
				1892	
				1893	
X	1821		1869		
X	1822		1870		
X			1871		
X	1824		1872		
	1825		1873		
	1826		1874		
X			1875		
X			1876		
	1829	1853	1877		
		1854	1878		
1807	1831	1855			
1808	1832				
1809					
1810		1858			
		1859			
		1860			
1813	1837	1861			
		1863		1911	

oceans

oceans

1795

1846 1870

1877

1849

1900 Lafayette

1904

1860

1918 bird arrivals

- Feb 24 - Ducks
Mar 4 - Bluebird
Mar 10 - Robins
Mar 11 - Meadowlark
Mar 17 - Grackle
Mar 17 - Red Wing Black Bird
Mar 17 - Flicker
Mar 17 - Hawk - (Red Tail?)
Mar 20 - Kildeer
Mar 29 - Turtle Dove
Mar 31 - Shrike
Apr 15 - Robins & Bluebirds nesting
Apr 19 - Ruby Crowned Kinglet
Apr 19 - Night Heron
Apr 19 - Duck Hawk
Apr 27 - Thrush spotted breast
May 2 - Brown Thrasher
" 3 - Purple Martin
" 5 - Wren
" 5 - Chimney swift
" 6 - Cat bird
" 7 - Baltimore Oriole

- " 7 Red Head Woodpecker
 " 8 King Bird
 " 10 yellow warbler
 " 11 - Bobolink
 " 11 - Spotted Warbler
 " 12 - Quail
 " 12 - Chewink or Towhee
 " 16 - Canary
 " 17 - 6 eggs in meadow larks
 " 18 - Rose Breasted Grosbeak ^{nest}
 " 18 - Yellow Vireo
 " 29 - Yellow bell cuckoo
 " 29 - 4 young meadow larks
 June 2 - Indigo Bunting
 June 2 - Gold Sparrow or finch
 " 4 - Meadow larks drowned
 " 5 - Ruby throated humming bird
 " 7 - King birds nest finished
 " 2 - Chickadee
 " 9 - Nuthatches
 " 12 - Chipping Sparrow
 " 12 - 1st egg in King bird nest
 " 28 - Kingbirds hatching
 July 9 - " photographed
 " 10 " gone

Aug 19 - first Cardinal
39

Edua Nelson
2545 Hight St
Denver Colo

Arthur E Carlson
1290 O'Sullivan

Apt 11 San Francisco

Dr Boyd - Colfax

Phone 513

tax man

16201

Books to Lloyd

1917

Pilgr's Child Rhymes

1918

Pilgr songs of home

1919 Birds

Mar 8 - Meadowlark

" 11 - Robin

" 15 - Redwing

" 15 Bluebird

" 16 - Kildeer

" 16 - flock of juncos

" 19 - Grackle

" 22 - Ducks

" 23 - Shrike

" 25 - Wild Goose

" 26 - Mourning Dove

Apr 10 - Ruby C Knight

" 11 - Chipping sparrow

" 16 - Small Thrush

~~" 15 - Robins building nests~~

" 18 - Black & white warbler

" 20 - Chewink or Towhee

" 30 - Brown Thrasher

May 6 - Chimney Swift

" 7 - Oriole

" 7 - Wren

" 8 - Kingbird

" 8 - Martin

- May 9 - Catbird
 " 9 - Snipe
 " 10 - Canary
 " 10 - R. B. Grosbeak
 " 12 - Bobolink
 " 14 - Quail
 " 14 - Cowbird
 " 14 - ~~Young robins flying~~
 " 16 - Crested Flycatcher
 " 16 - Tanagers
 " 16 - Wood Pewee
 " 23 - Maryland Yellowthroat
 " 24 - Yellow Billed Cuckoo
 " 30 - Whippoorwill
 " 30 - Oriole
 June 8 - Warbling vireo on nest
 " 15 - Indigo Bunting
 " 15 - Redstart
 Oct - Woodcock
 July 1 - Hummingbird
 41

1920-BIRDS

Feb 14 - Cedar Waxwings

" 19 - Juncos

" 20 - Chickadees

" 20 - English Sparrows

" 22 - White breasted nuthatch

" 22 - Hairy Woodpecker

" 23 - Downy Woodpecker

" 23 - Crow

" 23 - Screech Owl

" 27 - Blue Jay

Mar 3 - Robin

" 13 - Bluebird

" 14 - Flicker

" 16 - Meadowlark

" 17 - Ducks flying

" 19 - Wild geese

" 22 - Killdeer

" 22 - Red Wing Blackbird

" 30 - Grackle

" 31 - Sparrow Hawk

" 31 - Shrike

Apr 6 - Ruby Crowned Kinglet

- Apr 8 - Mourning Dove
 " 9 - Brown Creeper
 " 19 - Chipping Sparrow
 " 24 - Brown Thrasher
 " 24 - Chimney Swift
 " 25 - Wren
 " 30 - Quail

May 1 - Towhee

- " 7 - Red Headed Woodpecker
 " 7 - Kingfisher
 " 7 - Kingbird
 " 7 - Martin
 " 9 - Scarlet Tanager
 " 9 - Rose Breasted Grosbeak
 " 10 - Catbird
 " 13 - Wood Thrush?
 " 13 - Yellow Warbler?
 " 14 - Baltimore Oriole
 " 14 - Canary
 " 16 - Warbling Vireo
 " 18 - Cowbird
 " 19 - Blackburnian Warbler
 " 19 - Bobolink
 " 19 - Indigo Bunting

- 20- Black Tern
21- Whip-poor-Will
21- Maryland Yellowthroat
21- Ovenbird
22- Crested Flycatcher
24- Cardinal
24- Field Sparrow
30- Redstart
30- Phoebe
June-8- Yellow-Billed Cuckoo
" 9- Indigo Bunting
July Yellow Head Blackbird
Hummingbird
Nov. Harlan Hawk

May 21-20 Downy nest and
four eggs
June 6-20 Whippoorwill nest
with two eggs

June 17-20 - One egg in
Chipping sparrow nest
June 18th - two eggs
June 19th - three eggs
June 20th - four eggs
June 28th - young were gone
July 1st - Chipping sparrow
hatching

Aug 9th - Second brood of
were leaving

1920 Flowers

- Mar 14 - Pussy Willows
 Apr 28 - Dutchmans Breches
 Apr 28 - Hepatica
 .. 28 - Bloodroot
 .. 28 - Nodding Trillium
 .. 28 - White Trillium
 .. 28 - One Anemone
 May 1 - Frogtooth violet
 " 1 - June Berry
 " 9 - Bellwort
 " 9 - Violet
 " 9 - Buttercup
 " 9 - Wild Ginger
 " 9 - Wild Cherry
 " 9 - Wild Plum
 " 9 - Blue Root William
 " 9 - Yellow Violet
 " 19 - Johnny Jump Up
 " 19 - Crow foot Violet
 " 19 - Wild Lupine
 " 19 - Early Haw
 " 21 - Wild Crab Apple
 " 21 - Choke Cherry

- "21- May Apple
- "21- Jack-in-the-pulpit
- "21- Columbine
- "31- Yellow false Indigo
- "31- Late Haul

June 3- Lady Slipper

- " 6- Spikenard
- " 6- Linseed - through bloom
- " 6- Wild Rose
- " 6- Wild Geranium
- " 6- Spiderwort
- " 6- Penn Anemone
- " 9- Blue Flag Lily
- " 9- Red Sweet William
- " 13- Yarrow
- " ~~15- Penn Anemone~~
- " 15- Virgin's Bower

1921 Birds

- Jan 2 - Hairy Woodpecker
" 2 - English Sparrow
" 2 - Junco
" 2 - Downy Woodpecker
" 2 - Nuthatch - White Breast
" 2 - Bluejay
" 2 - Crow
" 3 - Chickadee
" 14 - Flicker
Feb 10 - Horned Lark
" 16 - Robin
" 21 - Bluebird
Mar 4 - Meadowlark
4 - Red Wing Black Bird
13 - Wild Geese - night hawking
15 - Cedar Wren
17 - Grackle
24 - Shrike
25 - Quail
Apr 3 - Wild Duck
3 - Blue Heron
6 - Chipping Sparrow
6 - Robins nesting 22

Apr 7 - Mourning Dove
" 9 - Ruby Crown Kinglet
" 12 - Chewink or Towhee
" 15 - Cowbird
" 18 - Sapsucker
" 18 - Hermit Thrush
" 24 - Brown Thrasher
" 24 - Yellow Head Blackbird
" 24 - Water Thrush
" 24 - Purple Martin
" 26 - Chimney Swift
" 28 - House Wren
" 28 - Jack Snipe
May 3 - Goldfinch
3 - Blackburnian Warbler
8 - Maryland Yellowthroat
9 - Rosebreasted Grosbeak
9 - White Crowned Sparrow
12 - Red Headed Woodpecker
12 - Baltimore Oriole
12 - Kingbird
18 - Rubythroat Hummingbird
18 - Yellow Warbler
19 - Catbird
22 - Warbling Vireo

- May
22-Scarlet Tanager
22-Indigo Bunting
22-Crested Flycatcher
22-Wood Pewee
22-Field Sparrow
22-Barn Swallow
22-Solitary Vireo
23-Night Hawk
28-Yellow-Billed Cuckoo
29-Cardinal
29-Redstart
29-Whip-poor-will
30-Black Tern
June 10-Dickcissel
" 26-Monkey face Owl
July 10-Killdeer
" 14-Bobolink
28-Sparrowhawk
Sept 27-Ovenbird
Oct 7-Audubon Hawk
" 23-Redbellied woodpecker
" 2-Harris Sparrow
Nov 2-Pigeon Hawk
" 13-Brown Creeper 24

Nov 13 - Golden Crown Knight
" 13 - Red Breast Nuthatch
Oct 3 - White Throat Sparrow
Dec 26 - Tree Sparrow - 75

Bird Observations

1921

- Apr 6 - Robins nest building
" 17 - Four blue birds building
" 24 - Two blue birds eggs - Lidget
Blue birds made 10 trips
in 8 min building
Brown Thrasher gave
43 imitations in 1 min
May 19 - Young robins flying
" 21 - Young blue birds in box
" 27 - Chipping Sparrow nest
2 eggs and 1 Cow bird egg
May 29 - Chickadee nest in
stump - 4 young birds
May 30 - Chipping Sparrow
and Cow bird hatched

June 5 - Crooked taken from
the nest

June 11 - Chipping sparrow
gone

June 12 - Young worms in box 7

June 14 - 3 eggs in Kingbird
nest in catalpa

June 20 - still there

June 15 - 3 young field
sparrows in nest in
gooseberry bush near
highway bridge

June 20 - buds gone - one
egg left in nest

June 25 - Seven worms left
the nest - flew away

June 26 - Three Kingbirds
hatched

June 26 - Three eggs in
robins nest

July 10 - Young Kinglet
leaving the nest

Aug 2 - Young robins just
learning to fly.

Aug 3 - Young wrens calling
in the new wren house

Aug 12 - Second brood of
wrens left the nest

Aug 20 - 1921 Saw a
white breasted Nuthatch
catch an insect in
the air just like a
fly catcher at the
Buckhorn Park

Oct 2

Wren still here

Oct 3 - Kinglet - Junco
Song Sparrow⁷
White Throat & White Crown

Oct 9-21

5 Quail, 8 Blue birds

Oct 12-21

Robin - Bluebirds - Black
birds - Junco -
Mourning Dove
Monkey face Owl

Oct 18-21

Robin - Bluebird
White Throat Sparrow
Blackbirds, Juncos

Oct 21-21

500 Grackles, Crows
Black Jack Snipe

Oct 22-21

1 Bluebird

Oct 9-21

5 Quail, 8 Blue birds

Oct 12-21

Robin - Blue birds - Black
birds - House Wren
Red winged Black
Monkey face Owl

Oct 18-21

Robin - Bluebird
White Throat Sparrow
Blackbirds, Juncos

Oct 21-21

500 Quackles, Crows
Wrens, Jack Snipe

Oct 22-21

1 Bluebird

Oct 23-1921

Sparrow Hawk
Chickadees Bluejay
W. B. Nuthatches
7 Bluebirds Juncos
Hairy Woodpecker
6 Goldfinches
6 White Throat Sparrow
Crow Robin
Large Woodpecker Red-bellied

Oct 26-21

Meadowlark

Oct 30-21

Many flocks of Black birds
going south

Nov-2- Meadowlark

Nov 4- Robin

Nov-6- Two Meadowlarks

Nov-10- Wild Geese

Nov-13- Brown Creeper

Golden Crown Kinglet

Nov 13 - R. B. Nuttall

Dec 26 - 50 to 100 Tree
Sparrows

Dec 26 - Meadowlark - 8

1922 BIRDS

- Jan 1 - English Sparrow
 " 4 - Downy Woodpecker
 " 4 - White Breasted Nuthatch
 " 5 - Hairy Woodpecker
 " 5 - Chickadee
 " 6 - Blue Jay
 " 8 - Flicker
 " 8 - Tree Sparrow
 " 8 - Junco
 " 8 - Crow

" 15 - Brown Creeper

Feb 19 - Horned Lark

- " 19 - Cardinal
 " 19 - Redpoll
 " 22 - Meadowlark

Mar 5 - Robin

- " 5 - Bluebird
 " 13 - Titmouse
 " 13 - Prairie Chickens
 " 13 - Red Wing Black Bird
 " 17 - Grackle
 " 23 - Wild Geese
 " 26 - Sparrow-Hawk

"26 - ~~House Sparrow~~

"26 - Kingfisher

"26 - ~~Blue Heron~~

Apr 7 - Shrike

"9 - Chipping sparrow

"9 - Towhee

"9 - Song Sparrow?

"9 - Quail

"1 - Mourning Dove

Feb 4 - Wild Ducks

Apr 10 - Golden Crown Kinglet

"11 - Ruby Crown Kinglet

"11 - Lincoln Sparrow

"14 - Cowbird

"15 - Barred Owl

"15 - Horned Owl

"15 - Eastern Meadow Lark

"15 - Wood Pewee

"15 - Field Sparrow

"15 - Red Tail Hawk

"15 - Yellow Throated Vireo

"20 - Purple Martin

"22 - Chimney Swift

"23 - White Throat Sparrow

- Apr 23 - Yellow Bellied Sapsucker
 Apr 23 - Red Head Woodpecker
 " 23 - Hermit Thrush
 " 23 - Titmouse - Tufted
 " 27 - Brown Thrasher
 " 30 - Magnolia Warbler
 " 30 - Wilsons Snipe
 " 30 - Coot
 May 1 - House Wren
 " 4 - Dovebird
 " 4 - Goldfinch
 " 4 - Kingbird
 " 4 - Barn Swallow
 " 5 - Gora Rail
 " 7 - Rose Breasted Grosbeak
 " 7 - Rough Wing Swallow
 " 8 - Cape May Warbler
 " 8 - Solitary Vireo
 " 8 - Baltimore Oriole
 " 10 - Yellow Warbler
 " 10 - Maryland Yellowthroat
 " 10 - Catbird
 " 10 - Grasshopper Sparrow
 " 10 - Yellow Head Blackbird

May

71

- 10- Phoebe -
11- Bobolink
13- Dickcissel
11- Harris Sparrow
12- ~~Song~~
12- Parula Warbler - one only
12- Redstarts - five or six
12- Indigo Bunting - two
12- Black & White Warbler - two
12- ~~Bittern~~
13- Scarlet Tanager
13- Crested Flycatcher
14- Ruby Throat Hummingbird
14- Pine Warbler
17- Green Heron
20- Red Backed Sandpiper
21- Blackpoll Warbler
21- ~~Dark~~ Sparrow
22- Night Hawk
22- Yellow Bell Cuckoo
22- Wood Thrush
25- Red eye Vireo.
28- Sharp Shinned Hawk 94
22- Bartramian Sandpiper

- June 1 Cedar Waxwings
1 Bank Swallow
1 Hottel Sandpiper
2 Red Bellied Woodpecker
2 Least Flycatcher
~~3 Broad Wing Hawk~~
3- White Eyed Vireo Bills
3- Black Bellied Cuckoo
3- Turkey Vulture
~~3- Tennessee Waterfowl~~
4- Blue Wing Warbler
8- Black Tern
3- Warbling Vireo
16- Screech Owl
19- Red Bellied Gull
Sept 22- Blue Wing Teal
Oct 9- Pintail Duck - here
" 17- Greater Scaup or Bluebell
~~Nov 7- Black Duck~~
" 15- Red Head Duck
Oct 17- Marsh Hawk

115 Species

Report mailed to Washington
Jan 2- 1923

Henry Snedden	9/21/18
William Wilcox	
Glenn Carl Munson	✓ 9/23/18
William J Braker	✓ 9/26/18
Harry a Morgan	9/27/18
Raymond M Anderson	
Ruby Maa	
Heinrich J Sanden	9/28/18
Gust Alfred Peterson	✓
Richard Cook	9/30/18
Arthur W Carlson	
Clayton Rinehart	
Henry C Nave	
Henry H Johnson	
Thos Johnson	
Albin Erickson	
Geo A Johnson	
C E Cook	
Clarence Carlson	✓
Henry Carlson	
Dr Wardell	Oct 1
a a Peterson	

Last	✓	
Leslie W Paulson		
Irene Luchluta		
Erick Englund Jr		Oct 28
Fred Lark		
Car Samuelson		Oct 29
J Gust Peterson		
Claus Peters		
Harry Hurless		Oct 30
Albert Relf	✓	
Do Car Fred		
Gust Beckman	✓	
Linn Peterson	✓	
Percy Clark		Oct 31
Carl Gustafson		
V E Donaldson		Nov 1
Ca Peterson		Nov 2
Albin Edwin		
Reuben Peterson	✓	Nov 4
Henry Jackson		
A L Chalberg		Nov 5
Arvid Lander		
Alex Reid	✓	

Alf Matson	✓	
J. O. Nyström	✓	
W. M. Cozue	✓	Nov 6
Fred Brown	✓	
Sam Bark		
Edgar Beckman	✓	
Sgt F. Peterson		Nov 7
C. J. Steelsmith		
C. G. Moravetz		
S. E. Bark		Nov 8
Louis Marlow		

1923 Birds

- Jan 1 - English Sparrow
 Jan 1 - Blue Jay
 Jan 1 - W. B. Nuthatch
 Jan 1 - Chickadee
 Jan 1 - Downy Woodpecker
 2 - Hairy Woodpecker
 9 - Brown Creeper
 9 - Tree Sparrow
 19 - Flicker
 24 - Crow - 1
 28 - Horned Lark
 28 - Shrike - Northern
 Feb 6 - Prairie Chickens
 12 - Junco
 12 - Dusted Titmouse
 15 - Meadowlark? - Western
 25 - Cardinal
 25 - Cedar Waxwing
 28 - Golden Crown Kinglet - 2
 Mar 2 - Robins - 2
 10 - Bluebird
 10 - Redwing Blackbird
 10 - Killdeer

- Mar 20 - Screech Owl
 " 24 - Bronzed Grackle
 " 26 - Wild Geese
 " 11 - Sparrow Hawk
 Apr 5 - Loggerhead Shrike
 " 5 Eastern Meadowlark
 " 6 Hermit Thrush
 " 8 Mourning Dove
 " 19 - ^{6 Ruby Crowned Kinglet} Yellow-Bellied Sapsucker
 " 19 Purple Martin
 " 21 Cowbird
 " 21 Night Heron
 " 21 White Throat Sparrow
 " 21 - ^{21 -} Quail
 " 22 - Chipping Sparrow
 " 22 Coal
 " 22 Wilson Snipe
 " 22 Blue Wing Teal
 " 22 Greater Auk
 " 22 Mallards
 " 22 Song Sparrow
 " 22 Towhee
 " 22 Spotted Sandpiper
 " 24 Field Sparrow
 " 24 Lesser Yellowlegs

- 23 - Brown Thrasher
 24 - Semi Paliliated Plover
 24 - Goldfinch
 24 - Phoebe
 24 - Red Bellied Gnatcatcher
 25 - Wren
 25 - Kingfisher
 25 - Myrtle Warbler
 25 - Chimney Swift
 29 - Yellow Warbler
 29 - Downy Woodpecker
 29 - Louisiana Water Thrush
 29 - Palm Warbler
 29 - Barn Swallow
 May 1 - Blue Headed Vireo
 11 - Red Headed Woodpecker
 1 - Yellow Throat Blackbird
 2 - Scarlet Tanager
 2 - Rose Breasted Grosbeak
 2 - Warbling Vireo
 2 - Catbird
 2 - Wood Pewee
 2 - Black & White Warbler
 4 - Swamp Sparrow
 4 - Dickcissel

- 5- Redstart
- 5- Wood Thrush
- 5- Crested Flycatcher
- 5- Horned Owl
- 5- Lark Sparrow
- 6- Kingbird
- 6- White Thr. - will
- 7- Baltimore Oriole
- 7- Grasshopper Sparrow
- 7- Harris Sparrow
- 10- White Crown Sparrow
- 13- Maryland Yellowthroat
- 13- Least Flycatcher
- 14 Ruby Throated Hummingbird ✓
- 16 Lincoln Sparrow ✓
- 17 Gray Check'd Thrush ✓
- 17 Yellow Throated Vireo ✓
- 17 Red Eyed Vireo ✓
- 17 Chestnut Sided Warbler ✓
- 17 Magnolia Warbler ✓
- 18- Green Heron ✓
- 18- Roughwing Swallow ✓
- 19- Night Hawk ✓
- 20- Bank Swallow 98 ✓

may

98

- 20 Bittern ✓
20 - Sara Rail ✓
20 - Bobolink ✓
20 - Black Tern ✓
22 - Orchard Oriole ✓
24 - Indigo Bunting ✓
24 - Yellow Bellied Cuckoo ✓
27 - Red Bellied Woodpecker ✓
Aug 12 - Tree Swallow
" 12 - Turkey Vulture
Sept 9 Red Tail Hawk
" 21 - Long Billed Marsh Wren
Oct 4 - Shoveller Duck
6 - Redbreasted Nuthatch
6 - Yellow Bellied Flycatcher
14 Fox Sparrow
14 Blue Heron
14 Zicote sparrow
14 Purple Finch
16 Sharp shinned Hawk
16 Banded Owl
Nov 2 Marsh Hawk
" 12 Sharp Billed Owl
121 Varieties

1924 Birds

16

Jan 1	Chicadee	3
1	Blue Jay	4
1	W B Nuthatch	2
1	Downy Woodpecker	2
1	Hairy Woodpecker	1
1	Eng Sparrow	12
3	Flicker	1
6	Crow	3
6	Quail	1
6	Junco	6
6	Tree Sparrow	50
13	Brown Creeper	1
14	Prairie Horned Lark	5
27	Meadowlark - Western	1
27	Short Eared Owl	1
28	Goldfinch	1
Feb 24	Cardinal	10
24	Song Sparrow	1
24	Horned Owl	1
24	Tufted Titmouse	1
Mar 3	Bluebird	1
12	Cobra	2
22	Mallards	20
22	Killdeer	2

Mar 26	Ridwing BB	50
" 26	Canada Goose	6
Apr 2	Grackle	32
" 2	E Meadowlark	1
" 3	Greater Scaup	2
" 3	Loggerhead Shrike	1
" 3	Prairie Chickens	7
" 4	Red Tail Hawk	1
" 4	Mourning Dove	1
" 6	Purple Finch	2
" 6	Tree Sparrow	3
" 6	Dove	4
" 6	Cowbird	10
" 6	Field Sparrow	1
" 6	Ruby Crown Kinglet	1
" 6	Vesper Sparrow	1
" 9	Marsh Hawk	1
" 13	Phoebe	4
" 13	Kingfisher	2
" 13	Yellow D Sapsucker	1
" 13	Shoveller Duck	1
" 13	Cats	17
" 13	Pie Billed Grebe	1
" 13	Winter Wren	1

Apr 13	Myrtle Warbler	2
13	Blue Wing Teal	4
13	Lesser Yellowlegs	1
13	Wilson Snipe	1
15	Chipping Sparrow	1
16	Purple Martin	3
16	Louisiana Water Thrush	1
17	Louisiana Sparrow	2
20	Blue Heron	1
20	American Bittern	1
22	Brown Thrasher	1
23	Spotted Sandpiper	3
23	Sparrow Hawk	3
23	White Throat Sparrow	1
23	Chimney Swift	2
24	House Wren	2
26	Red Head Woodpecker	1
27	Bank Swallow	1
27	Kingbird	1
27	Yellowhead Blackbird	8
27	Sora Rail	1
May 1	Corn Bird	1
1	Rough Wing Swallow	2
2	Bartramian Sandpiper	3

may

72

3- White Crown Sparrow	1
3- Blue Gray Gnatcatcher	2
4- Black & White Warbler	4
4- R. B. Grosbeak	2
4- Yellow Warbler	2
4- Crested Flycatcher	1
4- Redbellied Woodpecker	1
4- Lark Sparrow	1
4- Lincoln Sparrow	1
4- Magnolia Warbler	1
5- Baltimore Oriole	1
7- Clay Colored Sparrow	2
7- Redstart	1
7- Wood Thrush	1
7- Olive Back Thrush	2
7- Least Flycatcher	2
7- Scarlet Tanager	1
7- Harris Sparrow	4
11- Green Heron	1
11- Ruby Throat Hummer	1
11- Catbird	1
11- Maryland Yellowthroat	1
11- Warbling Vireo	1
11- Blue Spindled Vireo	2
11- Red eyed Vireo	1

May 11	Red Eyed Vireo	1
11	Black Tern	19
11	Swamp Sparrow	1
11	Bobolink	2
11	Whip-poor-will	3
17	Indigo Bunting	1
17	Dick Cissel	1
17	Wood Pewee	1
18	Blackburnian Warbler	1
18	Wilson Phalarope	1
18	Dowitcher	4
18	Marbled Godwit	1
18	Buff Breasted Sandpiper	2
21	Chestnut Sided Warbler	1
21	Wilson Warbler	2
23	Night Hawk	1
28	Bank Swallow	4
28	Least Bittern	1
28	Song Sparrow	2
28	Least Tern	1
28	Long Bill Marsh Wren	10
June 1	Kansas Kingbird	1
11	Yellow Bill Quaker	1
14	Grasshopper Sparrow	120

- June 15 White Rump Shrike
 16 Ring Bill Gull
 16 Franklin Gull
 16 Pintailed Duck
 16 Canvas Back Duck
 16 Sharp Tailed Grouse
 16 Chestnut Collared Longspur
 16 Cliff Swallow ^{9/4} at home
 17 Cackled Grebe
 17 Forsters Tern
 17 Gadwall
 17 Red Head Duck
 17 Ruddy Duck
 17 Short Billed Marsh Wren
 18 Double Crested Cormorant
 18 Baldpate
 18 Lesser Scaup ^{11/4} at home
 20 White Pelican
 20 Piping Plover
 21 White Ringed Scoter
 23 Black Crown ^{9/28} at home Night Heron
 23 Western Woodpecker
 23 Black Billed Cuckoo
 24 Herring Gull
 144

- June 24 - Avocet
 24 - Hudsonian Godwit
 25 - Burrowing Owl
 26 - Swainson's Hawk
 27 - Cedar Waxwing
 28 - Wilson Thrush Min
 Sept 14 - Sharp Shin Hawk 1
 " 14 - Turkey Buzzard 1
 Oct 5 - Green-winged Teal 2
 " 5 - Golden Crown Kinglet 1
 " 11 - Screech Owl 1
 Nov 6 - Hooded Merganser 4
 Dec 13 - Lapland Longspur 200
 " 30 Woodcock 1
 Aug 3 Black Throated Blue Warbler
~~in Minnesota~~ Min 1
 Total 159 varieties
 130 ea
 27 1/2
 2 mm

 159

- June 24 - Coyote
 24 - Hudsonian Godwit
 25 - Burrowing Owl
 " 27 - Cedar Waxwing
 26 - Swainson's Hawk
 28 - Wilson's Thrush
 Sept 14 - Sharp-shin Hawk
 " 28 - Green-wing Teal
 Nov 6 - Hooded Merganser
 Oct 11 - Screech Owl
 Sept 14 - Turkey Buzzard
 Oct 5 - Golden Crown Kinglet

1925 Birds

Jan 1	Eng Sparrow	3
1	Chickadee	2
1	Blue Jay	2
1	Downy Woodpecker	2
1	Hairy Woodpecker	1
1	Junco	1
2	Whitebreasted Nuthatch	2
3	Screech Owl	1
6	Tree Sparrow	4
6	Crow	1
11	Red Bellied Woodpecker	1
11	Red Wing Blackbirds	32
11	Cardinal	11
11	Goldfinch	1
11	Boff White	12
12	Flicker	1
14	Cedar Waxwing	6
15	Prarie Horned Lark	2
Fig 22	Great Horned Owl	1
22	Titmouse	1
22	Sparrow Hawk	1
24	Bluebird	1
Mar 6	Robin	1
" 12	Western Meadowlark	11

Mar 15 - Canada Goose	30
" 15 - Lesser Snow Geese	4
" 15 - Red Tail Hawk	1
" 19 - Kid deer	1
" 20 - Grackles	11
" 22 - Phoebe	2
" 22 - Song Sparrow	2
" 23 - Mourning Dove	1
" 23 - Prairie Chickens	20
" 26 Brown Creeper	1
28 Greater Scaup	1
28 Wilson Snipe	1
29 Migrant Shrike	2
29 Eastern Meadowlark	2
29 Field Sparrow	2
29 Towhee	1
29 Crowbird	2
29 Hax Sparrow	4
29 Kingfisher	2
29 Ruby Crown Kinglet	1
Apr 1 Golden Crown Kinglet	1
" 5 Hermit Thrush	1
5 Winter Wren	1
5 Mallards	9

Apr 5	Blue Wing Gull	3
" 4	Chipping Sparrow	1
" 6	Purple Martin	2
" 12	Coat	6
" 12	Pie Billed Grebe	4
" 12	Myrtle Warbler	1
" 12	Lesser Scaup	1
" 14	Yellowhead Blackbird	4
" 14	Shoveller Duck	1
" 14	Swamp Sparrow	2
" 14	Pintail Duck	1
" 19	American Bittern	1
" 19	Red Head Woodpecker	4
" 19	Veery Sparrow	1
" 19	Louisiana Water Thrush	1
" 19	Purple Finch	6
" 19	Yellow Billed Sapsucker	1
" 19	Coopers Hawk	2
" 19	Marsh Hawk	1
" 19	Lesser Yellowlegs	6
" 21	Brown Thrasher	3
22	House Wren	2
22	Chimney Swift	7
22	White Throat Sparrow	4

Apr 24	Bairdian Sandpiper	2
24	Dovebird	1
24	Palm Warbler	2
24	Scarlet Tanager	1
26	Turkey Vulture	1
26	Chested Flycatcher	2
26	Greater Yellowlegs	2
26	Bank Swallow	1
26	Lincoln Sparrow	3
28	Baltimore Oriole	1
May 2	Catbird	2
2	Rosebreasted Grosbeak	1
2	Lark Sparrow	1
2	Spotted Sandpiper	2
2	Harris Sparrow	2
2	Rough Wing Swallow	1
2	Green Heron	1
2	Sora Rail	1
3	Barn Swallow	3
3	White Crown Sparrow	2
3	Black Poll Warbler	1
3	Great Blue Heron	1
3	Pectoral Sandpiper	1
9	Clay Colored Sparrow	1

May	
10 - Black Fern	9
10 - Least Sandpiper	10
10 - Semi Palmaris Sandpiper	2
10 - Wilson Phalarope	5
10 - Bobolink	1
10 - Maryland Yellowthroat	1
10 - Yellow Warbler	1
10 - Northern Phalarope	1
13 - Kingbird	2
13 - Virginia Rail	1
13 - Dickcissel	1
13 - Baldpate	1
13 - Semi Palmaris Plover	1
14 - Tree Swallow	6
14 - Long Billed Marsh Wren	2
15 - Redstart	2
15 - Cape May Warbler	1
15 - Black Throated Green Warbler	1
17 - Wood Thrush	1
17 - Blackburnian Warbler	3
17 - Red Eyed Vireo	1
17 - Yellowthroated Vireo	1
17 - Tennessee Warbler	1
17 - Black & White Warbler	2

120 May 1925

17-	Magnolia Warbler	1
17-	Philadelphia Vireo	1
17	Parula Warbler	1
17	Blue Back Thrush	2
17	Redbacked Sandpiper	1
17	Least Bittern	1
17	Least Flycatcher	2
18-	Wood Pewee	1
18-	Ruby Throated Hummer	1
18-	Arkansas Kingbird	2
18-	Night Hawk	2
18-	Whip-poor-Will	4
19-	Indigo Bunting	1
19-	Warbling Vireo	1
19-	Leconte Sparrow	1
19-	Shit Sandpiper	1
24-	Yellow Billed Cuckoo	1
26-	Blueheaded Vireo	1
June 1-	Woodcock	2
" 1-	Blue Wing Warbler	1
" 16-	Orchard Oriole	1
" 26-	Blue Gray Gnatcatcher	1
July 12-	Black billed Cuckoo	1
Aug 28	Cliff Swallow	60

144

Sept		
8	Nashville Warbler	1
13	Broad Wing Hawk	3
28	Black Crown Night Heron	1
13	Sharp Shin Hawk	1
Nov 4	Carolina Wren	1
" 15	Bald Eagle	1
" 29	Redbreasted Nuthatch	1
Dec 25	Redpoll	7
" 30	Broad Wing Hawk	1
Oct 12	Ring Neck Pheasant	1

1926 Birds

Jan 1	Grackles	2
1	Chicadee	8
1	W. B. Nuthatch	3
1	Eng Sparrow	6
1	Blue Jay	1
1	Tree Sparrow	10
1	Downy Woodpecker	2
1	Hairy Woodpecker	2
1	Quail	4
1	Juncos	10
1	Cardinal	8
1	Goldfinch	5
1	Flicker	1
1	Crow	12
6	Screech Owl	1
5/4	Cedar Waxwing	6
7	Prarie Horned Lark	1
7	Redbellied Woodpecker	1
7	Tufted Titmouse	10
27	Canadian Geese	50
May 1	Western Meadowlark	1
17	Robin	6
17	Bluebird	3
17	Killdeer	1

Mar		
18-	Red Wing Blackbirds	50
19-	Eastern Meadowlark	1
19-	Sparrow Hawk	1
20-	Migrant Shrike	1
20-	Red Tail Hawk	1
20-	Prairie Chickens	12
21-	Phoebe	2
21-	Song Sparrow - 4	4
21-	Tax Sparrow	4
21-	Mallards	2
29-	Brown Creeper	1
Apr 2-	Mourning Dove	2
2-	Herring Gull	1
2-	Broad Wing Hawk	1
2-	Purple Finch	2
2-	Kingfisher	1
2-	Barn Owl	1
2-	Harris Sparrow	2
8-	Cowbird	7
8-	Pine Siskin	5
8-	Shoveller	3
8-	Greater Scaup	1
10-	Purple Martin	1
11-	Marsh Hawk	1
11-	Ring Neck Pheasant	1

april

48

11-	Field Sparrow	2
11-	White Throat Sparrow	1
11-	Howhee	2
11-	Rusty Blackbird	15
11-	Golden Crown Kinglet	1
13-	Hermit Thrush	1
16-	Vesper Sparrow	2
16-	Blue Wing Teal	3
16-	Le Conte Sparrow	1
16-	Lesser Yellowlegs	5
17-	Red Head Woodpecker	2
17-	Furkey Vulture	2
17-	Myrtle Warbler	1
17-	Winter Wren	1
17-	Osprey	3
18-	Wilson Snipe	4
18-	Savanna Sparrow	1
18-	Sapsucker	1
18-	Ruby Crown Kinglet	8
18-	Blue Heron	1
18-	Coot	3
18-	Louisiana Water Thrush	1
19-	Great Horned Owl	3
19-	Chipping Sparrow	2

april	73	
17 Green Wing Teal		3
21 - Sharp Shin Hawk		1
23 - Yellowhead Blackbird		1
23 - Bertramian Sandpiper		1
25 - Pictorial Sandpiper		1
25 - American Bittern		2
25 - Pie Billed Grebe		1
25 - Barn Swallow		2
29 - Lark Sparrow		2
29 - Chimney Swift		3
May 1 - House Wren		1
11 Brown Thrasher		1
1 Clay Colored Sparrow		2
1 Whip-poor-will		1
2 - Cowbird		1
2 - Wood Thrush		1
2 - Yellow Warbler		2
2 - Least Flycatcher		2
2 - Black & White Warbler		1
2 - Swamp Sparrow		1
2 - Catbird		1
2 - Blue Headed Vireo		1
2 - Tree Swallow		2
2 - Greater Yellowlegs		1

May 2. Least Sandpiper	3
2- Western Wellbitt	2
2- Semi Palmarated Plover	2
2- Virginia Rail	1
2- Wilson Phalarope	3
2- Semi Pal Sandpiper	3
2- Rosebreasted Grosbeak	2
2- Kingbird	2
2- Baldpate	1
2- Lincoln Sparrow	1
2- Bank Swallow	1
4- Baltimore Oriole	1
8- Spotted Sandpiper	3
6- Warbling Vireo	1
9- Maryland Yellowthroat	1
9- White Crown Sparrow	1
9- Indigo Bunting	2
9- Wood Pewee	1
9- Rough Wing Swallow	10
9- Olive Back Thrush	1
9- Red eyed Vireo	2
9- Tanager	1
9- Redstart	1
9- Green Heron	2
9-	

May	121	
9-Crested Flycatcher		2
11- Sora Rail (Boek Co)		2
11- L. B. Marsh Wren		1
11- Black Tern		1
11- Tennessee Warbler		1
13- Philadelphia Vireo		1
13- Palm Warbler		1
15- Pileo Vireo (Caes Co)		1
16- Spotted Billed Marsh Wren		1
17 Grasshopper Sparrow		1
16- Dickcissel		1
16- Bobolink		3
16- Golden Plover		7
16- Black Poll Warbler		1
16- Wilsons Warbler		1
16- Cerulean Warbler		2
16- Blue Wing Warbler		1
16- R. J. Hummingbird		2
16- Black Cr Night Heron		7
16- Forked Bill Gull		2
18- Magnolia Warbler		2
19- Gray Cheeked Thrush		2
19- Cape May Warbler		1
23- Canadian Warbler		1

may

145

23-	Blue Gray Gnatcatcher	5
23-	Olive sided Flycatcher	1
24-	Night Hawk	2
28-	Black Billed Cuckoo	1
June 17-	Orchard Oriole	1
" 29	Yellow Bell Cuckoo	1
July 4-	Woodcock	1
Aug 9-	Connecticut Warbler	1
" 14	Yellow Throated Vireo	2
" 14	Nashville Warbler	1
" 19	Red Shoulder Hawk	1
" 19	Blk Th Green Warbler	1
Oct 24	Am Rough Leg Hawk	1
Nov 7	Lapland Longspur	1
" 15-	Oldsquaw Duck	1

160 varieties

95 Field Trips

269 hours in field

1927 Birds

Jan 1	Chickadee	3
" 1	Blue Jay	3
" 1	Downy Woodpecker	2
" 1	Harry "	1
" 1	English Sparrow	10
" 1	W. B. Nuthatch	2
" 14	Prairie Horned Lark	12
" 16	Crow	10
" 16	Red Bellied W. P.	4
" 16	Titmouse	2
" 16	Cardinal	6
" 16	Junco	1
" 16	Flicker	1
" 16	Tree Sparrow	4
" 16	Short Eared Owl	1
" 16	Barred Owl	1
" 16	Great Horned Owl	1
Feb 6	Red Tail Hawk	1
" 6	Quail	18
" 22	Canada's Goose	28
Mar 3-	Western Meadowlark	1
" 3	Prairie Chickens	3
" 3	Rough Leg Hawk	4
" 6	Prairie Siskins	13

march 24

7- Robin	2
7- Bluebird	2
8- Redwing Blackbird	15
12- Fielder	10
16- Grackles	2
17- Screech Owl	1
20- Goldfinch	3
20- Sparrow Hawk	1
20- Song Sparrow	2
20- Rusty Blackbird	1
20- Mallard (?)	50
20- Black Duck	2
27- White Fronted Goose	1
27- Canvas Back Duck	3
27- Golden Crown Kinglet	1
27- Phoebe	1
27- Eastern M Lark	2
26- Brown Creeper	1
27- Harris Sparrow	1
28- Mourning Dove	1
28- Pintail Duck	1
31- Migrant Shrike	1
Apr 2- Shoveller	2
3- Wilson Snipe	1

April 48

13 - Le Conte Sparrow	1
3 - Blue Goose	4
3 - Lesser Snow Goose	1
5 - (Lesser) Scaup	3
5 - vesper Sparrow	4
5 - Lesser Yellowlegs	2
6 - Purple Martin	3
6 - Ring Neck Duck	4
6 - Ruddy Duck	1
7 - Green Wing Teal	10
7 - Baldpate	24
7 - Pectoral Sandpiper	8
8 - Cowbird	2
8 - Towhee	1
9 - Kingfisher	1
9 - Red Billed Grebe	1
9 - Blue Winged Teal	1
9 - Coot	1
10 - Hermit Thrush	1
10 - Field Sparrow	1
10 - Fox Sparrow	1
10 - Ruby Crown Kinglet	5
10 - Myrtle Warbler	1
10 - Winter Wren	1

Apr 15 -	Purple Finch	1
16 -	Chipping Sparrow	1
16 -	Swamp Sparrow	4
16 -	Turkey Buzzard	2
16 -	Louisiana Water Thrush	1
17 -	Yellow bellied Sapsucker	1
18 -	Brown Thrasher	1
18 -	Chimney Swift	3
24 -	White Throat	5
24 -	House Wren	2
24 -	Belted	5
24 -	Sara Rail	1
24 -	Yellow head Blackbird	20
24 -	Night Heron	12
24 -	Osprey	1
24 -	Marsh Hawk	1
24 -	Grackle	2
28 -	Red Head Woodpecker	1
May 1	Palm Warbler	1
" 1	Horned Grebe	1
2	Baltimore Oriole	1
2	Clay Colored Sparrow	2
3	White Crown Sparrow	3
3	Lincoln Sparrow	2

May 3 - Lark Sparrow	2
3 - Yellow Warbler	2
3 - Dovebird	3
4 - Savanna Sparrow	6
4 - Semi-Palm Plover	1
4 - Tree Swallow	2
4 - Franklin Gall	5
4 - Ring Neck Pheasant	2
5 - Warbling Vireo	1
5 - Blue Back Thrush	2
5 - Crested Flycatcher	1
5 - Rose Breasted Grosbeak	1
5 - Spotted Sandpiper	1
5 - Barn Swallow	1
6 - Least Sandpiper	4
6 - Kingbird	1
6 - Bobolink	1
6 - Black & White Warbler	1
6 - Wood Thrush ✓	1
6 - Green Heron	1
6 - Red Eyed Vireo	1
6 - Catbird	2
6 - Tennessee Warbler	1
6 - Least Flycatcher	2

May 7 - Whip-poor-will	2
8 - Blue Wing Warbler	2
8 - Blue Headed Vireo	2
8 - Maryland Yellowthroat	2
8 - Black Ibis	8
10 - Wilson Phalarope	2
12 - Blackpoll Warbler	1
12 - Scarlet Tanager	1
12 - Redstart	1
12 - Indigo Bunting	1
12 - Arkansas Kingbird	1
13 - Pine Warbler	2
13 - Rough Wing Swallow	4
13 - Magnolia Warbler	1
14 - Dasher	2
14 - Gnatcatcher	1
14 - Wilson Warbler	2
14 - Gray Cheeked Thrush	2
15 - Grasshopper sp	1
15 - Long B Marsh Wren	2
15 - Bertramian Owl	1
15 - Bay Breasted Warbler	1
15 - Ruby Throat Hum	1
15 - Yellow Throat Vireo	1

May 15-	Blackburnian Warb	1
15-	Duck Creek	1
15-	Semi Palm Sand	1
15-	Duck Hawk	1
19-	Chestnut Sided Warb	2
19-	Mourning Warbler	1
19-	Wood Pewee	1
19-	Cedar Waxwing	2
21-	Canadian Warbler	1
21-	Blue Sided Fly	1
21-	Night Hawk	1
26-	Black Bill Cuckoo	1
26-	Belted Squirrel	1
26-	Sharp Shinned Hawk	1
June 8-	Least Bittern	1
15-	Yellow Billed Cuckoo	1
15-	Kerulean Warbler	1
15-	Florida Gallinule	3
27-	Orchard Oriole	2
30-	Woodcock	1
July 22	Great Blue Heron	3
Sept 5	Cliff Swallow	5
" 5	Solitary Sandpiper	1
" 30	Connecticut Warbler	1

168

Oct 25	Redbreasted Nuthatch	1
Aug 5	Bank Swallow	1
Sept 17	Burrowing Owl	3
Nov 15	Goshawk	1
Dec 6	Lapland Longspur	1
" 2	Western Horned Owl	1

Boone Co Varieties	168
Outside County	6
Total for 1927	174

112 Field Trips

267 hours in field

1928 Birds

Jan 1	Blue Jay	1
" 1	Flicker	1
" 1	Downy	1
" 1	Hairy	2
" 1	W. B. Nuthatch	1
" 1	Eng Sparrow	6
" 1	Chickadee	2
" 4	Screech Owl	1
" 7	Junco	2
" 7	Tree Sparrow	2
" 21	Cedar Waxwing	14
" 22	Crow	3
" 22	Cardinal	14
" 22	Red Tail Hawk	3
" 22	Red Bellied Woodpecker	2
" 22	Barred Owl	1
" 22	Tufted Titmouse	2
" 22	Lapland Longspur	2
" 29	Prairie Horned Lark	1
Feb 12	Bluebird	1
" 26	Bob White	10
Mar 7	Western Meadowlark	1
9	Red Wing Blackbird	10
10	Robin	4
	24	

Mar 11 - Song Sparrow	2
11 - Blue Goose	14
11 - Mallard	54
11 - Pintail Duck	17
11 - A. C. Camp	18
11 - Green Wing Teal	1
11 - Baldpate	2
11 - Kildeer	5
11 - Sparrow Hawk	1
16 - Ring Neck Duck	140
16 - Red Head Duck	2
16 - Canvasback	1
17 - Roughleg Hawk	1
18 - Baldpate	1
21 - Grackle	2
21 - Eastern M. Lark	5
22 - Aboullin	2
23 - White fronted Goose	2
23 - Cowbird	3
23 - Migrant Shrike	1
23 - Canadian Goose	38
23 - Snow Goose	1
24 - Field Sparrow	3
24 - Phoebe	2

March 48

24	R C Kinglet	2
24	White Throat	2
24	Fox Sparrow	14
24	Red Head Woodpecker	1
24	Kingfisher	1
24	Rusty Blackbird	6
24	Pied Billed Grebe	1
25	Pied Billed Grebe	
april	Marsh Hawk	1
1	Harrow Sparrow	2
1	Baldin Crown Kinglet	1
1	Sharp Shin Hawk	1
1	Goshawk	1
1	Goat m. Wool	100
1	Bluewing Teal	25
1	American Merganser	1
1	Bufflehead	1
1	Le Conte Sparrow	1
1	Ring Bell Gull	1
1	Martin	1
2	Brown Creeper	2
5	Vesper Sparrow	1
8	Hermit Thrush	1
8	Lesser Yellowlegs	2
8	Wilson Snipe	1

April 2 - Swamp Sparrow	2
12 - Gnatcatcher Yellowlegs	1
15 - Towhee	1
15 - Myrtle Warbler	1
21 - Sapsucker	1
22 - Copper Hawk	1
22 - Louisiana Thrush	1
22 - Blue Heron	2
22 - Winter Wren	1
22 - Tree Swallow	1
22 - Pectoral Sandpiper	3
23 - Chipping Sparrow	1
26 - Night Heron	2
26 - Rough Wing Swallow	2
29 - Bastramian Sand	1
29 - Lincoln Sparrow	1
29 - House Wren	1
29 - Purple Finch	1
29 - Thrasher	1
29 - Broad Wing Hawk	2
29 - Green Heron	2
May 1 - Chimney Swift	1
3 - Clay Colored sp	3
3 - Cowbird	1
3 - Spotted Sandpiper	1

May 76 98

3- Redstart	1
3- Crested Flycatcher	2
3- Wood Thrush	1
3- Kingbird	1
3- Nashville Warbler	1
3- Baltimore Oriole	2
3- Tennessee Warbler	1
5- Whip-poor-will	1
6- Jay	1
6- Grosbeak	1
6- N. Yellowthroat	1
6- Bobwhite	1
6- Catbird	1
6- Herring Gull	1
6- Sara Rail	1
6- Least sandpiper	10
6- Semi Palm Sandp	3
6- L. B. Marsh Wren	2
7- White Crown Sp	1
7- Yellow Warbler	1
8- Warbling Vireo	1
9- Ring Neck Pheasant	1
9- Yellowhead B. B.	2
10- Barn Swallow	1

128 122

May

11/9/27

10 - Olive Backed Thrush	6
10 - Least Flycatcher	3
10 - Blueheaded Vireo	2
10 - Black & White Warbler	2
10 - Wilson Warbler	1
10 - Turkey Vulture	1
12 - Blue Wing Warbler	2
12 - Gray Check Thrush	2
12 - Lark Sparrow	2
12 - Red Shoulder Hawk	1
12 - Indigo Bunting	1
12 - Water Thrush	1
12 - Dickcissel	2
13 - Blackpoll Warbler	1
13 - Philadelphia Vireo	1
13 - Virginia Rail	1
14 - Hummingbird	1
14 - Night Hawk	1
10 - Magnolia Warbler	1
16 - Canadian Warbler	1
17 - Wood Pewee	2
17 - Red Eyed Vireo	2
17 - Cerulean Warbler	1
17 - Chestnut Sided Warb	3

143 145

May

145

17-Blackburnian	3
17-Black Throated Green	1
17-Mourning Warbler	1
19-Golden Wing	1
19-Black Tern	3
20-Gadwall	2
20-Least Bittern	1
20-Savanna Sparrow	1
20-Short Belled Marsh W.	1
20-Red Backed Sandpiper	7
20-White Rump Sandpiper	3
20-American Bittern	1
20-Wilson Phalarope	1
24-Bay Breasted Warbler	1
30-Yellowthroated Vireo	2
June 6-Orchard Oriole	1
" 12 King Rail	1
" 12 Burrowing Owl	1
Aug 20 Yellowbelled Cuckoo	1
Sept 9 Cliff Swallow	25
9-Blue Sided Flycatcher	1
30-Connecticut Warbler	1
Oct 13-Franklin Gull	2
169 varieties	
100 field trips	254 hrs

1929 BIRDS

Jan 1	Downy	2
" 1	Flicker	1
" 1	Blue Jay	2
" 1	W B Nuthatch	1
" 1	Chickadee	2
" 1	Eng Sparrow	+
" 1	Junco	1
" 1	Harry	2
" 1	Cardinal	1
" 3	<u>Snowy Owl</u>	1
" 6	Brown Creeper	1
" 14	Prarie Horned Lark	25
" 14	Crow	10
" 20	Bluebird	2
" 20	Red Belly Woodpecker	2
" 20	Tree Sparrow	16
" 27	Rough Leg Hawk	1
" 27	Short Eared Owl	1
Feb 14	Red Head Woodpecker	4
17	<u>Snow Bunting</u>	1
22	Bob White	13
22	W. M. Lark	1
Mar 4	Ring Neck Pheasant	1
" 10	Cedar Waxwing	30

Mar 11 -	Robin	5
" 11 -	Sparrow Hawk	1
" 11 -	Barred Owl	1
" 13 -	Screech Owl	1
" 14 -	Redwing Blackbird	40
" 14 -	Marsh Hawk	1
" 17 -	Bronzed Grackle	1
" 17 -	Phoebe	1
" 17 -	Goldfinch	2
" 17 -	Titmouse	1
" 17 -	Pintail Duck	50
" 17 -	Song Sparrow	1
" 17 -	Killdeer	5
" 17 -	Eastern Meadowlark	1
" 22 -	Purple Martin	1
" 24 -	Herring Gull	1
" 24 -	Mallard	2
" 25 -	Scalp	2
" 25 -	Baldpate	2
" 25 -	Shoveller	10
" 25 -	Mourning Dove	1
" 25 -	Canadian Goose	25
" 26 -	Green Wing Teal	10
" 26 -	Rusty Blackbird	6
" 26 -	Migrant Shrike	2

Mar 26 - Red Tail Hawk	1
27 - Blue Wing Teal	3
27 - Gadwall	2
30 - Field Sparrow	2
30 - Towhee	1
30 - Harlan Hawk	1
30 - Vesper Sparrow	1
Apr 1 - Fox Sparrow	1
4 - Chipping Sp	1
4 - Cowbird	4
4 - Hermit Thrush	1
4 - American Merganser	1
6 - Yellowlegs	1
6 - Pictorial Sandpiper	1
6 - Black Crowned Night Heron	1
6 - Coot	16
6 - Henslow's Sparrow	1
7 - Harris Sparrow	4
7 - Swamp Sparrow	1
7 - Golden Crowned Kinglet	1
7 - Pin Billed Gube	1
7 - Great Blue Heron	1
13 - Ruby Crown Kinglet	1
14 - Pin Billed Gube	2

Apr 14 - Ring neck Duck	2
14 - Yellowhead Blackbird	6
14 - Blue Goose	6
14 - Whitefronted Goose	4
14 - American Bittern	1
14 - Kingfisher	1
14 - Canvasback Duck	2
14 - Bartramian Sandpiper	1
15 - Winter Wren	1
16 - Wilson Snipe	1
17 - Louisiana Waterthrush	1
17 - Purple Finch	3
23 - Sashancker	2
23 - House Wren	1
23 - Brown Thrasher	2
24 - Chimney Swift	2
24 - Myrtle Warbler	1
24 - White Throat Sp	14
27 - Dovebird	1
28 - Clay Colored Sparrow	2
29 - Wilson Phalarope	4
29 - Western Wullett	1
29 - Barn Swallow	1
29 - Greater Yellowlegs	2
May 1 - Rose Breasted Grosbeak	1

May 4 -	Red Head Duck	
4 -	Lincoln Sparrow	1
4 -	White Crown Sparrow	1
4 -	Innessee Warbler	1
4 -	Black + White Warbler	1
4 -	Rough Wing Swallow	2
4 -	Whip-poor-will	1
5 -	Crested Flycatcher	2
5 -	Yellow Warbler	1
5 -	Turkey Buzzard	1
5 -	Blue Headed Vireo	1
5 -	Lark Sparrow	1
5 -	Catbird	1
5 -	Golden Plover	37
5 -	Prairie Hen	1
7 -	Baltimore Oriole	1
8 -	Kingbird	2
8 -	Sassa Rail	6
8 -	Herons Rail King	1
8 -	Bobolink	7
8 -	Black Tern	4
8 -	Least Sandpiper	2
8 -	LeConte Sparrow	1
8 -	Savanna Sparrow	1
8 -	B. A. 00	1

May 11 - Pine Siskin	1
11 - Long Billed Marsh Wren	1
12 - Spotted Sandpiper	1
13 - W. Yellowthroat	1
13 - Warbling Vireo	1
15 - Least Flycatcher	2
15 - Duck Cuckoo	1
15 - Grinnells Waterthrush	1
15 - Blackpoll Warbler	10
15 - Hummingbird	1
15 - Blue Gray Gnatcatcher	2
15 - Scarlet Tanager	3
15 - Cerulean Warbler	1
15 - Gray Check Thrush	1
15 - Redstart	2
15 - Indigo Bunting	2
15 - Wood Thrush	1
15 - Magnolia Warbler	1
16 - Florida Gallinule	4
16 - Arkansas Kingbird	4
16 - Grasshopper Sparrow	1
16 - Hudsonian Godwit	1
16 - Dowitcher	1
16 - Northern Phalarope	4
16 - Tree Swallow	1

May 16 - Olive Backed Thrush	1
May 16 - Semi Palm Sand	1
18 - Nashville Warbler	1
19 - Redback Sandpiper	1
19 - Orange Crowned Warbler	1
19 - Red Eyed Vireo	1
19 - Wilson Warbler	1
19 - Cape May Warbler	1
19 - Canadian Warbler	1
19 - Mourning Warbler	1
19 - Blackbirdman	1
19 - Bay Breasted	1
19 - Pine Warbler	1
19 - Olive Sided Flycatcher	1
21 - Sharp Shinned Hawk	1
21 - Orchard Oriole	2
21 - Cliff Swallow	1
21 - Bank Swallow	3
21 - Chestnut Sided Warb	2
23 - Solitary Sandpiper	1
23 - Night Hawk	1
24 - Black Throated Green	1
June 13 - Alder Flycatcher	1
" 13 4 B. Cuckoos	1
Aug 10 L. B. Marsh Wren	1
" 22 B. B. Cuckoos	1

Keeping the Water Out

There is no substance that will make boots or shoes absolutely water-proof. That is, for any length of time. As a rule, most water-proofing compounds contain animal fats, mineral oils, rosin, wax and solutions of India rubber. The writer has tried the following two and find they are very satisfactory.

One-half pound of mutton-tallow.

Four ounces of beeswax.

Two ounces of rosin.

Melt all together, and apply hot with a small brush, rubbing it in well with the hands, particularly around soles and seams.

Rubber Solution—Melt together four ounces of neat's-foot oil, four ounces of beeswax and 2 ounces of India rubber until thoroughly blended. Warm the leather, and apply hot.

