Int

$4.15

Mr. Edward S. Denton bought this book for me,
Edgar A. Mearns.

An Ornithological Journal
and
Register.
Edgar A. Mearns.

Highland Falls, near
West Point N. Y.

Oct. 6. 1874

[There is an Index to all of the Notes on Birds through to page 506, situated at pp. 398–408. Simple notices of the occurrence of species without annotations are not indexed.]

October 6 - 1874

I intend my [illegible] to include a duplicate label of all my specimens as they are obtained by myself, a list of the birds seen each day with all interesting facts relating to them and any other items of interest as [illegible] &c.

I will commence with the labels of the birds I have already collected, after which I will give a list of the birds I have seen each day since March 5 - 1874 I will then give some previous notes relating to the migration and nidification of a few birds of this locality.

As a set of No. corresponding to some "Check List" is convenient, I will use those contained in supplement to Dr. Coues' "Key to North American Birds", as that I believe, is the latest. ("Field Ornithology," and Check List)

No. 1 275 (Coues No.) Prochitus colubris L. ♀ May 30 - 1874 Orange County N.Y.

No. 2 271 Chaetura pelasgia (L.) Steph. ♂ May 20 - 1874 Orange Co. N.Y.

No. 3 271 Chaetura pelasgia (L.) Steph. ♀ May 20/74 Orange Co. N.Y.

No. 4 265 Antrostomus vociferus (Wils.) Bp. ♂ June 1 - 1874 Orange Co. N.Y.

No. 5 242 Tyrannus carolinensis (L.) Baird ♂ June 6 - 1874 Orange Co. N.Y.

No. 6 247 Myiarchus crinitus (L.) Cab. May 24 - 1874 Orange Co. N.Y. ♂ ad.

No. 7 50 Anorthura troglodytes (L.) Cass. ba. hiemalis (Wils.) Cs. ♀ Apr. 27/74. Rockhill, Westchester Co. N.Y. 4; 5 13/16; 1 12/16; 1 1/16

No. 8 107 Syranga rubra (L.) V. ♂ May 30 - 1874 Orange Co. N.Y.

No. 9 107 Syranga rubra (L.) L. ♀ May 30 - 1874 Orange Co. N.Y.

No 10 21 [illegible] Orange Co. N.Y.

No 11 22 [illegible] Orange Co. N.Y.

No 12 179 [illegible] Orange Co. N.Y.

No 13 174 [illegible] Orange Co. N.Y.

No 17 174 [illegible] Orange Co. N.Y.

No 15 179 [illegible] Orange Co. N.Y.

No 16 192 [illegible] Orange Co. N.Y.

No 17 216 [illegible] Orange Co N.Y.

No 18 214 [illegible] Orange Co. N.Y.

No 19 214 [illegible] Orange Co. N.Y.

No 20 214 [illegible] Orange Co. N.Y.

No 21 ~~216 [illegible]~~
212 [illegible] Orange Co N.Y. [illegible]

No 22 [illegible] Orange Co. N.Y.

No 23 [illegible] Orange Co. N.Y.

No 24 [illegible] Orange Co. N.Y.

No 25 [illegible] Orange Co. N.Y.

No 26 [illegible] Orange Co. N.Y.

No 27 [illegible] Orange Co. N.Y.

No 28 [illegible] Orange Co. N.Y.

No 29 [illegible] Orange Co. N.Y.

No 30 [illegible] Orange Co. N.Y.

No 31 [illegible] Orange Co. N.Y.

No 32 [illegible] Orange Co. N.Y.

No 33 [illegible] Orange Co. N.Y.

No 34 114 Petrocheilidon lunifrons (Say) ♀
Orange Co N.Y. May 25 1874

No 35 111 Hirundo horreorum Barton ♀ juv.
Orange Co N.Y. June 10-1874

No 36 212 Ortalis vetula (Wagl.) Dur. ♂ May 1874
Orange Co N.Y.

No 37 212 Ortalis vetula (Wagl.) Dur. ♂ May 3 1874
Orange Co N.Y.

No 38 212 Ortalis vetula (Wagl.) Dur. ♂ May 6 1874
Orange Co N.Y.

No 39 212 Ortalis vetula (Wagl.) Dur. ♀ juv. May 8 1874
Orange Co N.Y.

No 40 212 Ortalis vetula (Wagl.) Dur. ♂ May 7 1874
Orange Co N.Y.

No 41 355 Catherpes mexicanus (Linn.) Bp. May 4 1874 fac.
Orange Co N.Y. Iris light brown: bill
black and toes yellow 14 7/16; 37 1/2; 1.2; (2 engraved downstroked
tarsi and toes yellow 14 7/16; 37 1/2; 1.2; (Eating the
Wind South-Easterly)

No 42 360 Pandion haliaetus (L.) Dur. ♀ May 4 1874
length 25 (Broken wing & leg at wrist by accident)
Wm Sutton, Jeg. stazyon. Black Rock Orange Co N.Y.

No 43 360 Pandion haliaetus (L.) Dur. ♂ May 25-1873
Orange Co N.Y. 23 4/10; 65; —; —
Middletown. Was kept alive over Sept. 14/73.

No 44 Falco sparverius (L.) Ridgeway ♂ May 1877
Orange Co N.Y.

No 45 Colaptes auratus (L.) Dur. ♀ May 2. 1874
Orange Co N.Y.

No 46 Colaptes auratus (L.) Dur. ♀ May 1874
Orange Co N.Y.

No 47 Quiscalus [illegible] (Gmel.) Ridg. ♂ May 1874
Orange Co. N.Y.

No 48 Sialia sialis (L.) Ridg. ♂ May 1874
Orange Co. N.Y.

No 49 Colaptes auratus (L.) Dur. ♂ May 12 1874
Orange Co N.Y.

No 51 Quiscalus [illegible] (Gmel.) Ridg. ♀ May 1874
Orange Co N.Y.

No 52 Sturnella [illegible] Swainson ♂ May 1874
Orange Co N.Y. Iris [illegible]

No 53 75 or Large rufous [illegible] Shrike ♀ May 1874
Orange Co N.Y.

No 54 [illegible] (Wils.) Ridg. ♂ May 7 1874
Orange Co. N.Y.

No 55 70 Dendroica aestiva (Gmel.) Dur. ♂ May 10-1874
Orange Co N.Y.

No 56 [illegible] Ridgeway ♂ May 1874
Orange Co N.Y.

No 57 192 Vireo olivaceus (Linn.) Dur. ♂ June 3 1874
Orange Co. N.Y.

No 58 212 Dryocopus pileatus (Linn.) Bd. ♂ June 6 1874
Orange Co N.Y.

No 59 234 Agelaius phoeniceus (Linn.) Dur. ♂ May 1874
Orange Co N.Y.

No 60 234 Agelaius phoeniceus (Linn.) Dur. ♀ May 7 1874
Orange Co N.Y.

No 61 211 Melanerpes carolinus (Linn.) Dur. ♂ June 1-1874
Orange Co N.Y.

[illegible] 74.
Orange Co N.Y.

No. 63 29 [illegible] 1874
Orange Co N.Y.

No. 64 [illegible] 10 1874
Orange Co N.Y.

No. 65 [illegible] May 12 1874
Orange Co N.Y.

No. 66 [illegible] May 1874
Orange Co N.Y.

No. 67 [illegible] May 1874
Orange Co N.Y.

No. 68 [illegible] Mar 9-1874
Orange Co N.Y.

No. 69 [illegible] Apr 28-1874
Orange Co N.Y.

No. 70 [illegible] May 1874
Orange Co N.Y.

No. 71 [illegible] May 1874
Orange Co N.Y.

No. 72 51 [illegible] (Wils) Cab. ♀
Orange Co N.Y. May 28-1874

No. 73 87 Dendroica [illegible] Baird ♂
Orange Co N.Y. May 1874

No. 74 84 Dendroica maculosa (Gm) Bd. ♀
Orange Co N.Y. May 1874

No. 75 70 Dendroica aestiva (Gm) Bd. ♀ May 1874
Orange Co N.Y.

No. 76 81 Dendroica striata (Forst) Bd ♂ May 1874
Orange Co N.Y.

No. 77 57 Mniotilta varia (L.) N. ♂ May 1874
Orange Co N.Y.

No. 78 97 Acotilypis trichas (L) Cab. ♂ May 1874
Orange Co. N.Y.

No. 79 100 Icteria virens (L) Bd. ♂ June 2-1874
Orange Co N.Y.

No. 80 [illegible] Bd. ♀ [illegible] 1874.
Orange Co N.Y.

No. 81 76 Dendroica [illegible] Bd. ♂ May-1874
Orange Co N.Y.

No. 82 76 Dendroica [illegible] Bd. ♂ May-1874
Orange Co. N.Y.

No. 83 78 Dendroica coronata [illegible] ♂ May-1874
Orange Co N.Y.

No. 84 82 Dendroica castanea (Wils) Bd. May 1874
Orange Co N.Y.

No. 85 83 Dendroica [illegible] Bd. ♀ May 8-1874
Orange Co N.Y.

No. 86 [illegible] Dendroica [illegible] Bd. ♂ May 11-1874
Orange Co N.Y.

No. 87 78 Dendroica coronata (L) Cr. ♀ May 1874
Orange Co N.Y.

No. 88 83 Dendroica [illegible] Bd. ♂ May 12-1874
Orange Co N.Y.

No. 89 83 Dendroica [illegible] Bd. ♂ June 6-1874
Orange Co. N.Y.

No. 90 90 Dendroica [illegible] Bd. ♂ [illegible] 1874
Orange Co N.Y.

No. 91 [illegible] Warbler (Helminthophaga peregrina)
Orange Co. N.Y. May 14 1874

No. 92 67 Helminthophaga ruficapilla (Wils) Bd
Orange Co. N.Y. May 18-1874

No. 93 67 Helminthophaga ruficapilla (Wils) Bd
Orange Co. N.Y. May 1874

No. 94 67 Helminthophaga ruficapilla (Wils) Bd.
Orange Co N.Y. May 1874

No. 95 58 Empidonax minimus Bd. ♂ May 1874
Orange Co N.Y.

No. 96 80 Dendroica blackburniae (Gm) Bd. ♂ May 1874
Orange Co. N.Y.

No. 97 126 Vireo flavifrons V. ♀ May 25. 1874.
Orange Co N.Y.

D°" 98 126 Succinea [illegible] 6 Aug 6 1877
Orange Co N.Y.

D°" 99 127 Succinea avara Say 7 Aug 1874
Orange Co N.Y.

D°" 100 128 Succinea obliqua (Say) B & Aug 1874
Orange Co. N.Y.

D°" 101 129 Helix [illegible]
Orange Co N.Y.

D°" 102 10 Succinea [illegible] B & [illegible] 1874
Orange Co N.Y.

D°" 103 111 Succinea [illegible] Bd. Sept 1874
Orange Co N.Y.

D°" 104 119 Helicina [illegible] Pilsbry 1874
Orange Co. N.Y.

D°" 105 117 Helicina occulta (Say) Bd & Pilsbry 1874
Orange Co. N.Y.

D°" 106 111 Helicina occulta (Say) Bd. & Co. 24 1873
Orange Co. N.Y.

D°" 107 Goldfussia pernivosus

D°" 108 1 Pupidae migratorius 2.3 Mar 10 - 1877
Orange Co N.Y.

D°" 109 216 Vitrina limpida (Gould) Pilsbry & Bdle, 14-1874
Orange Co N.Y.

D°" 110 16 Helix labiata (Say) Tryon & Mead 11-1874
Orange Co. N.Y.

D°" 111 16 Helix labiata (Say) Tryon & Mead 1874
Orange Co N.Y.

D°" 112 16 Helix labiata (Say) Tryon & Dec 1-1873
Orange Co. N.Y.

D°" 113 158 Bifidaria pilsbryana (Morrison) Sterki & Mead 15-1874
Orange Co N.Y.

D°" 114 159 Pupisoma pilsbryana (Morrison) Sterki & Mead 1874
Orange Co. N.Y.

D°" 115 178 Strobilops labyrinthica (Wilson) Bryant & Pilsbry May 3-1874
Orange Co. N.Y.

D°" 116 4 Helix [illegible] 6 & 4 May 21 1874
Orange Co. N.Y.

D°" 117 [illegible] May 18-1874
Orange Co N.Y.

D°" 118 119 Helix [illegible] May 21 1874
Orange Co N.Y.

D°" 119 [illegible] May 11 1874
Orange Co N.Y.

D°" 120 [illegible] May 11-1874
Orange Co N.Y.

D°" 121 4 Mimus carolinensis (L.) Ptr & May 1874. H. Ft

D°" 122 216 Helix labiata (Say) Tryon & May 14 1874
Orange Co N.Y.

D°" 123. 216 Helix labiata (Say) Tryon & May 14/74
Orange Co. N.Y.

D°" 124. 1 & 2 Pentatricha albina (Gould) Pils. & May 14, 1872
Orange Co. N.Y.

D°" 125. 16 Helix labiata (Say) Tryon & May 10 1874
Orange Co. N.Y.

D°" 126. 508 Helicina occulta (Say) Bd & Allen
& June 4-1874 Warner & Beard. Putnam Co. N.Y.

D°" 127. 182 Pentatricha albina (Gould) & 1872

D°" 128. 292 Helicina occulta (Say) Bd & May 15-1874
Orange Co. N.Y.

D°" 129. 217 Helix labiata (Say) Tryon & June 11-1874
Orange Co N.Y.

D°" 130. 158 Pentatricha [illegible] opaca (Gould) Stefki
cavity maria (Bd & Allen) Putnam Co N.Y. & June 4/74

D°" 131. 158 Pentatricha pilsbryana (Gould) Stefki var maria (Bd & Allen &
June 4-1874 - Warner & Beard. Put. Co N.Y.

D°" 132. 508 Helicina occulta (Say) Stefki var maria (Bd & Allen
& June 4-1874 - Warner & Beard. Put. Co N.Y.

D°" 133. 508 Helicina occulta (Say) Stefki var maria (Bd & Allen
& June 4-1874 - Warner & Beard. Put. Co N.Y.

No. 134 [illegible] (L.) [illegible] (Bald.) Mean ♀ June 4-1874 Warner's Island [illegible] N.Y.

No. 135 [illegible] Mediodectes mitratus (Sm.) Aud. ♀ July 15-1874 Highland Falls N.Y.

No. 136 [illegible] (L.) V. ♂ [illegible] 15-1874 Highland Falls N.Y.

No. 137 [illegible] (L.) Bd. ♂ July 14-1874 Highland Falls N.Y.

No. 138 214 Sturnella magna (L.) Bw. juvenis. (Cuvent) [illegible] N.Y.

No. 139 [illegible] (L.) Steph. var. naevia (Bald.) Mean ♂ [illegible] June 26-1874 Warner's Island H.R. N.Y.

No. 140 [illegible] (L.) Steph. var. naevia (Bald.) Mean ♂ [illegible] 26-1874 Warner's Island H.R. N.Y.

No. 141 [illegible] cyanea (L.) Bd. ♂ July 24-1874 Highland Falls N.Y.

No. 142 [illegible] cyanea (L.) Bd. ♂ July 25-1874 Highland Falls N.Y.

No. 143 [illegible] Condroeca virens (Sm.) Bd. ♂ July 24-1874 Highland Falls N.Y.

No. 144 60 Helminthorus vermivorus ♂ July 25-1874 Highland Falls N.Y.

No. 145 10 Caspurhynchus rufus (L.) Cab. ♀ juv. July 25-1874 Highland Falls N.Y.

No. 146 204 Pipilo erythrophthalmus (L.) V. ♂ July 20-1874 Highland Falls N.Y.

No. 147 Pipilo erythrophthalmus (L.) V. juv. July 20-1874 Highland Falls N.Y.

No. 148 Cyanospiza cyanea ♂ July 24, 1874

No. 149 [illegible] ♀ ad. Apr. 24, 1874. Highland Falls, N.Y.

No. 150 ~~Tachycineta bicolor~~ Petrochelidon lunifrons juv. July 28, 1875. Highland Falls, N.Y.

No. 151 Ampelis cedrorum. ♂ ad. July 29, 1875. H. F.

No. 152 Empiarchus crinitus ♂ juv. July 30, 1875

No. 153 Empiarchus crinitus ♀ juv. July 30, 1875

No. 154 55 [illegible] (L.) Bd. ♂ June 11-1874 Orange Co. N.Y.

No. 155 57 Condroeca striata (Bost.) Bd. ♂ June 10-1874 Orange Co. N.Y.

No. 156 41 [illegible] ♂ [illegible] 1874 [illegible] 24; 40; 11 [illegible] [illegible]

No. 157 39 Vitta canadensis [illegible] ♀ juv. Aug 31-1874 [illegible]

No. 158 39 Vitta [illegible] ♂ [illegible] 4-1874 [illegible] Culmen 13/16. – 4 12/16 8/16 [illegible]

No. 159 39 Vitta [illegible] ♂ [illegible] 31-1874 [illegible]

No. 160 39 [illegible] [illegible]

No. 161 [illegible] (L.) V. ♂ Aug 31-1874 [illegible] 10 – 3 1/16 – 1 [illegible] [illegible] longitudinal [illegible]

No. 162 17 [illegible] cedrorum (V.) Bd. ♂ juv. Aug 31-1874 Highland Falls N.Y.

No. 163 299 [illegible] ♂ juv. [illegible] 1874 [illegible]

No. 164 212 [illegible] ♂ juv. Sep 10-1874 Highland Falls N.Y.

No. 165 [illegible] migratorius ♂ juv. Aug 21-1874 Highland Falls N.Y.

No. 166 [illegible] migratorius ♂ juv. Aug 21-1874 Highland Falls N.Y.

vein as of wing-bars with ... of the ... are also a quantity of ... matter. (the eye(lids) ... the ... bill ... have noticed this ... of the "Pewee-tone".

♂ 196 Myiarchus boreiticus L. Aug 17 - 1874
Richland Co N.Y. (Candle's Island)

♀ 197 360 Sayornis fuscicola (L.) Dwarf ♂ Sept 5 - 1874
Richland Falls, Oswego Co N.Y.
Bill ... Legs & feet ... Iris ... Tail ... Wing ... 3rd quill longest

♂ 198 Sayornis fuscicola. ♂ Sept 5 - 1874
Richland Falls N.Y.
Bill ... Legs & feet ... Iris ... Tail ... Wing ... 3rd quill longest

♀ 199 Sayornis fuscicola. ♀ Sept 5 - 1874
Richland Falls N.Y.
Bill ... Legs & feet ... Iris ... Tail ... Wing ... 3rd quill longest

♂ 200 212 Myiarchus ferocior (L.) U.S. ♂ Sept 25 1874
Highland Falls N.Y. Bill ... Legs & feet black. 8 14 4 2 3/16.

♂ 201 212 Myiarchus ferocior (L.) U.S. ♂ Sept 25 - 1874
Highland Falls N.Y. 8 7/16 13 5/16 4 5/16 3 2/16

♀ 202 212 Myiarchus ferocior (L.) N.Y. ♀ Sept 25 - 1874
Highland Falls N.Y. 6 12/16 11 7/16 3 12/16 2 7/16

♂ 203 122 Vireo olivaceous (L.) U.S. ♂ Sept 23 - 1874
Highland Falls N.Y. 6 1/16 10 3 5/16 2 3/16

♂ 204 246 Coccyzus erythrophthalmus (Wils.) Bd ♂ Sept 23 - 1874
Highland Falls N.Y. 11 9/16 15 7/16 5 3/16 6 3/16
Bill black - yellowish at base of mandible
Iris brown. Eyelid yellow. Legs and feet greenish
Length of shortest tail feather 3 11/16

♂ 205 241 Coccyzus ... (Wils.) Bd ♂ Sept 23 - 1874
... 12 1/16 11 3/16 5 1/16 12 3/16
... Bill ... Legs & feet ... Iris ... Tail ... Wing ... 3rd quill longest

♀ 206 Dendroica blackburniae ♂ Sept 20 - 1874
Highland Falls N.Y. Iris ... Tail ... Wing ... 3rd quill longest
Bill & legs black. Feet ... 7 11/16 11 7/16 3 13/16 2 13/16

♀ 207 Dendroica blackburniae. ♀ Sept 20 - 1874
Highland Falls N.Y. Iris brown. Bill & legs black. Feet ... 7 11/16 11 7/16 3 13/16 2 13/16

♂ 208 Dendroica blackburniae. ♂ Sept 25 - 1874
Highland Falls N.Y. Iris ... Bill & legs black. Feet ... 5 9/16 8 13/16 2 13/16 2 1/16

♂ 209 122 Vireo olivaceous (L.) U.S. ♂ Sept 20 - 1874
Highland Falls N.Y. 6 1/16 10 3 3/16 2 1/16

♂ 210 164 Mniotilta varia (Vieill.) Bd. ♂ Sept 23 - 1874
Highland Falls N.Y.
Bill & feet black. Iris brown 6 1/16 8 7/16 2 7/16 2 7/16

♂ 211 237 Dendroica virens (Gm.) ♂ Sept 25 - 1874
Highland Falls N.Y. Iris brown
Bill & feet black 11 7/16 16 7/16 5 3/16 5 7/16

♂ 212 468 Porzana carolina (L.) ♂ Sept 25 - 1874
Iris brown. Highland Falls N.Y.
Legs and feet yellow. Maxilla yellowish green
Mandible greenish yellow - Length to end of toe 11 9/16
8 3/16 12 14/16 3 14/16 2

♀ 213 468 Porzana carolina (L.) ♀ Sept 25 - 1874
Highland Falls N.Y. Iris brown
Legs and feet green. Maxilla ... with green
Mandible greenish yellow ... to end of toe 11 9/16
8 7/16 13 3/16 3 15/16 1 15/16

♂ 214 Dendroica striata ♂ Sept 24 - 1874
Highland Falls N.Y. Iris, legs, feet & bill brown

D.[illegible] 215 212 Hyrania [illegible] (L.) Bd. Sept 25-1874
Highland Falls N.Y. Dies brunn. Bill dusky
Legs & feet black. 8 ; 14 ; 4 9/16 ; 2 3/16.

D. " 216 Tachycineta bicolor Sept. July 28, 1874.
5 3/4 12 1/4 . Highland Falls, new York.

D. " 217 435 Setophaga ruticilla Male & Sept 16 1874
Highland Falls N.Y. Iris brown
Bill jet black. legs & feet black.
length & curve of bill 10 + 8 ; 16 3/16 5 3/16 2 1/16

D. " 218 212 Hyrania pinicola (L.) Male Sept 26-1874
Highland Falls N.Y. Iris brown
Bill black. legs & feet [illegible].
7 1/16 12 3/16 ; 4 5 3/16.

D. " 219 441 Dendroica pensylvanica L. July 30 1874
Highland Falls Rockland Co N.Y.

D. " 220 ~~219~~ 560 Pandion haliaetus (L.) Burroughs &
Highland Falls N.Y. Sept 8-1874
Iris orange - legs & feet pale light yellow
Bill and claws black. Bill black at base
& blueish. 21 61 1/16 18 4/16 8 4/16
Was very fat but bird not taken in
good condition.

D. " 221 214 Ceryle alcyon (L.) Bird & Sept 29 1874
Highland Falls N.Y. - Iris's Dark
Dk dark brown. legs and feet dusky - color.
Bill black, yellow at base.
Stomach contained fish scales and bones
also some hair or fur. Bill above ---- 2 3/16
12 11/16 21 3/16 6 3/16 " along gape 2 19/16

N. " 222 234 Ceyanocitta cristata (L.) Mus. & Sept. 30-1874
Highland Falls N.Y. Iris brown
Bill and feet black

N. " 223 204 Pitilo erythrophthalmus & Sept 30-1874
Highland Falls N.Y. - Iris brown
feet light brown - Bill dusky
8 4/16 11 3/16 3 5/16 3 11/16

D. " 224 134 [illegible] (Wood) Mus. Sept 30 1874
Highland Falls N.Y. 4 3/16 9 15/16 3 3/16 2 3/16
[illegible]

A List of Birds seen & Recorded from Sept 1874 to Oct 1877

March 1877

Zoue No.
57 Sturnus vulgaris Linn.
1 Bubo [illegible] Linn.
16 Picus pileatus (L.) Vaillant.
114 Junco hyemalis (L.) Brisson.
174 Junco hyemalis (L.) Steph.
187 Passer domesticus Linn.
188 Passerella iliaca (Merrem.) Sw. First seen.
328 Corvus americanus Audubon.
370 Colopistes migratorius (L.) Sw. First seen.
385 Bonasa umbellus (L.) Stephens.
546 ? Larus marinus L.

March 1878

1 Bubo virginianus Gm.
16 Picus pileatus (L.) Vaillant.
31 Parus atricapillus L.
169 Melospiza melodia (Wils.) Coues.
174 Junco hyemalis (L.) Steph.
177 Thryothorus ludovicianus (Gm.) Bd.
188 Passerella iliaca (Merrem.) Sw.
225 Piocalus purpureus (Bartr.) Licht. First seen.
228 Corvus americanus Audubon.

385 Sturnus vulgaris (L.) Staaf.

Prag 7/74

16 Sitta sitta (L.) Kaudern
169 Motacilla alba (Vill.) Bd.
174 Junco hyemalis (L.) Dwt.
228 Coccothraustes coccothraustes Medigue
234 Cyanecula suecica (L.) Blaukehlchen

Prag 8/74

1 Sturnus migratorius L.
16 Sitta sitta (L.) Waldemann
51 Parus atricapillus L.
169 Motacilla alba (Vill.) Bd.
181 Passer domesticus Linn.
228 Coccothraustes coccothraustes Mud.

Prag 9/74

1 Sturnus migratorius L.
16 Sitta sitta (L.) Waldemann
119 Turdus pilaris (L.) Bd.
174 Junco hyemalis (L.) Bd.
177 Fringilla montifringilla (Linn.) Bd.
188 Passerella iliaca (Merrem) Swv.
228 Coccothraustes coccothraustes Mud.

Prag 10/74

1 Sturnus migratorius L.
16 Sitta sitta Linn.
119 Turdus pilaris (L.) Bd.
169 Motacilla alba (Vill.) Bd.
174 Junco hyemalis (L.) Bd.
177 Fringilla montifringilla (Linn.) Bd.
188 Passerella iliaca (Merrem) Swv.
228 Coccothraustes coccothraustes Mud.
234 Cyanecula suecica (L.) Swv.
299 Bucco pubescens L.

Prag 11/74

16 Sitta sitta (L.) Waldemann
177 Fringilla montifringilla (Linn.) Bd.
228 Coccothraustes coccothraustes Mud.

Prag 12/74

1 Sturnus migratorius L.
16 Sitta sitta (L.) Waldemann
51 Parus atricapillus L.
119 Turdus pilaris (L.) Bd.
169 Motacilla alba (Vill.) Bd.
174 Junco hyemalis (L.) Dwt.
177 Fringilla montifringilla Linn. Bd.
188 Passerella iliaca (Merrem) Swv.
228 Coccothraustes coccothraustes Mud.
352 Larus ridibundus (Linn.) Gmel.

Prag 13/74

1 Sturnus migratorius L.
16 Sitta sitta (L.) Waldemann
119 Turdus pilaris (L.) Bd.
169 Motacilla alba (Vill.) Bd.
177 Fringilla montifringilla (Linn.) Bd.
228 Coccothraustes coccothraustes Mud.

Prag 14/74

1 Sturnus migratorius L.
16 Sitta sitta (L.) Waldemann
119 Turdus pilaris (L.) Bd.
169 Motacilla alba (Vill.) Bd.
177 Fringilla montifringilla (Linn.) Bd.
228 Coccothraustes coccothraustes Mud.

Prag 15/74

1 Sturnus migratorius L.
16 Sitta sitta (L.) Waldemann
119 Turdus pilaris (L.) Bd.
169 Motacilla alba (Vill.) Bd.
177 Fringilla montifringilla (Linn.) Bd.
228 Coccothraustes coccothraustes Mud.

Prag 16/74

1 Sturnus migratorius L.
16 Sitta sitta (L.) Waldemann
228 Coccothraustes coccothraustes Mud
352 Larus ridibundus Linn. (Linnaeus) Gmelin

Prag 17/74

16 Sitta sitta (L.) Waldemann
177 Fringilla montifringilla (Linn.) Bd.
187 Passer domesticus Linn
188 Passerella iliaca (Merrem) Swv.

[illegible] Grus cinerea Bhd.
317 Bolo virginianus (Gml.) Sp.

[illegible]-Aug 74

1 Sturnus vulgaris L.
16 Alauda sylvia (L.) Baudenn.
31 Parus atricapillus L.
169 Rhodinocichla rubicula (Wils.) Bd.
171 Regulus montanus (Gml.) Bd.
188 Passerella iliaca (Merrem) Sto=
224 Corvus americanus Aud.
277 Picus pubescens L.
331 Buteo borealis (Gml.) V.
362 Totanus semipalmatus (L.) Stejn.
385 Bonasa umbellus (L.) Steph.
548 Falco columbarius Ord.

May 1874

16 Alauda sylvia (L.) Baudenn.
31 Parus atricapillus L.
169 Rhodinocichla rubicula (Wils.) Bd.
174 Junco hyemalis (L.) Bd.
177 Regulus montanus (Gml.) Bd.
228 Corvus americanus Aud.
234 Cyanocitta cristata (L.) Bp.

September 74

1 Sturnus migratorius L.
16 Alauda sylvia (L.) Baudenn.
31 Parus atricapillus L.
119 Anthus ludovicianus (G.) Bd.
169 Rhodinocichla rubicula (Wils.) Bd.
174 Junco hyemalis (L.) Bd.
228 Corvus americanus Aud.
281 Ceryle alcyon (L.) Bd. First seen.
385 Bonasa umbellus (L.) Steph.

360 Pandion haliaetus carolinensis (Gml.) Vieill. First seen.
362 Totanus semipalmatus (G.) Bp.
488 Anas boschas L.
30? Branta glaucogastra (B.) Scop.
546 Larus marinus L.
547 Larus argentatus Brunn.
575 Larus delawarensis Ord.
Three more species of Larus and Gull which I could not distinguish

March 75

1 Sturnus migratorius L.
16 Alauda alpestris L. Raudenan.
31 Parus atricapillus L.
119 Anthus ludovicianus (G.) Bd.
169 Rhodinocichla rubicula (Wilson) Bd.
174 Junco hyemalis (L.) Bp.
177 Regulus montanus (Gml.) Bd.
188 Passerella iliaca (Merrem) Sto.
221 Melanerpes erythrocephalus (Gml.) Sw. First seen
228 Corvus americanus Audubon
234 Cyanocitta cristata (L.) Bp.
362 Totanus semipalmatus (G.) Steph.
385 Bonasa umbellus (L.) Steph.
547 Larus argentatus Brunn.

March 20

1 Sturnus migratorius L.
16 Alauda alpestris (L.) Baudenan.
119 Anthus ludovicianus (G.) Bd.
169 Rhodinocichla rubicula (Wilson) Bd.
174 Junco hyemalis (L.) Bp.
177 Regulus montanus (Gml.) Bd.
188 Passerella iliaca (Merrem) Sto.
149 Chrysomitris tristis (L.) Bp.
228 Corvus americanus
279 Picus pubescens L.
385 Bonasa umbellus (L.) Steph.

Vlotho 21/7 7

1 Fringilla migratoria L.
16 Plectrophenax nivalis (L.) Hartlaub
114 Spinus spinus (L.) Bd.
141 Chrysomitris lucida (L.) Bp.
169 Motacilla flava meridionalis (Vieill.) Bd.
174 Junco hyemalis (L.) Bd.
177 Alauda arvensis (Linn.) Bd.
228 Corvus americanus Aud.
255 Bombycilla garrula (Linn.) Bd. Furit Leer
277 Picus pubescens L.

Vlotho 22/7 7

1 Fringilla migratoria L.
16 Plectrophenax nivalis (L.) Hartlaub
21 Passer domesticus L.
114 Spinus spinus (L.) Bd.
169 Motacilla flava meridionalis (Vieill.) Bd.
174 Junco hyemalis (L.) Bd.
177 Alauda arvensis (Linn.) Bd.
188 Passerella iliaca (Merrem) Bp.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Bp.
221 Melospiza fasciata (Gm.) Bp.

Vlotho 23/7 7

1 Fringilla migratoria L.
16 Plectrophenax nivalis (L.) Hartlaub
174 Junco hyemalis (L.) Bd.
177 Alauda arvensis (Linn.) Bd.
187 Passer domesticus Linn.
188 Passerella iliaca (Merrem) Bp.

Vlotho 24/7 7

1 Fringilla migratoria L.
16 Plectrophenax nivalis (L.) Hartlaub

169 Motacilla flava meridionalis (Vieill.) Bd.
174 Junco hyemalis (L.) Bd.
177 Alauda arvensis (Linn.) Bd.
228 Corvus americanus Aud.

Vlotho 25

1 Fringilla migratoria L.
16 Plectrophenax nivalis (L.) Hartlaub
169 Motacilla flava meridionalis (Vieill.) Bd.
174 Junco hyemalis (L.) Bd.
177 Alauda arvensis (Linn.) Bd.
185 Plectrophenax iliaca (Merrem) Bp.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Bp.
252 Bombycilla garrula (Linn.) Bd.
275 Picus villosus L.
277 Picus pubescens L.
351 Anthus spinoletta (Linn.) Bp.

Vlotho 26/7 7

1 Fringilla migratoria L.
16 Plectrophenax nivalis (L.) Hartlaub
114 Spinus spinus (L.) Bd.
169 Motacilla flava meridionalis (Vieill.) Bd.
174 Junco hyemalis (L.) Bd.
177 Alauda arvensis (Linn.) Bd.
188 Passerella iliaca (Merrem) Bp.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Bp.
252 Bombycilla garrula (Linn.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Bp. Furit Leer.
362 Hadrobates leucocephalus (L.) Baird.
385 Bonasa umbellus (L.) Steph.

March 27, 74

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
31 Parus atricapillus L.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
177 Spizella monticola (Gm.) Bd.
188 Passerella iliaca (Merrem) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.

March 28

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
177 Spizella monticola (Gm.) Bd.
187 Passer domesticus Linn.
228 Corvus americanus Aud.

March 29

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
177 Spizella monticola (Gm.) Bd.
187 Passer domesticus Linn.
228 Corvus americanus Aud.
312 Colaptes auratus (L.) Sw.

March 30

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
177 Spizella monticola (Gm.) Bd.
188 Passerella iliaca (Merrem) Sw.
228 Corvus americanus Aud.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.

March 31

187 Passer domesticus Linn.
547 Larus argentatus Brunn.
548 Larus delawarensis Ord.

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187 Passer domesticus Linn.

April 2

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
168 Melospiza palustris (Wils.) Bd.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
187 Passer domesticus Linn.
188 Passerella iliaca (Merrem) Sw.
225 Buscalus purpureus (Bartr.) Licht.
234 Sayornis fuscus (Gm.) Bd.
312 Colaptes auratus (L.) Sw.
547 Larus argentatus Brunn.
[illegible] in Central Park N.Y.

April 3

287 Passer domesticus Linn.

[illegible]

[illegible]
31 Parus atricapillus L.
69 Regulus modularis (Kl.) Brd.
114 Junco hyemalis (L.) Sch.
171 Spizella monticola (Gml.) Brd.
181 Passer domesticus Linn.
188 Passerella iliaca (Merrem) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
312 Ceda[illegible]es [illegible]
346 Sitta [illegible] L.
347 Sitta [illegible] Brunn.
348 Sitta [illegible] Gml.

April 5.

1 Sturnus [illegible] L.
16 Sialia sialis (L.) Baldemann
169 Melospiza melodia (Wils.) Brd.
174 Junco hyemalis (L.) Sch.
177 Spizella monticola (Gml.) Brd.
188 Passerella iliaca (Merrem) Sw.
228 Corvus americanus Aud.
232 Bayornis fuscus (Gml.) Brd.
277 Picus [illegible]

April 6.

1 [illegible]
16 Sialia sialis (L.) Baldemann
169 Melospiza melodia (Wils.) Brd.
174 Junco hyemalis (L.) Sch.
177 Spizella monticola (Gml.) Brd.
188 Passerella iliaca (Merrem) Sw.
228 Corvus americanus Aud.
232 Bayornis fuscus (Gml.) Brd.
277 Picus pubescens L.

April 7.

1 Sturnus migratorius L.
16 Sialia sialis (L.) Baldemann
21 Regulus calendula (L.) Licht.
22 Regulus satrapa Licht
167 Melospiza melodia (Wils.) Brd.
174 Junco hyemalis (L.) Sch.
181 Passer domesticus Linn.
188 Passerella iliaca (Merrem) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Bayornis fuscus (Gml.) Brd.
277 Picus pubescens L.
302 Ampelis garrulus L. First seen.
312 Cedrus [illegible]
[illegible]

April 8.

1 Sturnus migratorius L.
16 Sialia sialis (L.) Baldemann
167 Melospiza melodia (Wils.) Baird
174 Junco hyemalis (L.) Sch.
177 Spizella monticola (Gml.) Brd.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Bayornis fuscus (Gml.) Brd.
277 Picus pubescens L.
312 Cedrus americana (L.) Sw.

April 9.

1 Sturnus migratorius L.
167 Melospiza melodia (Wils.) Brd.
174 Junco hyemalis (L.) Sch.
177 Spizella monticola (Gml.) Brd.
187 Passer domesticus Linn.
188 Passerella iliaca (Merrem) Sw.
228 Corvus americanus Aud.

252 Bayonis fuscus (Bm.) Bd.
291 Picus pubescens L.
312 Colaptes auratus (L.) Sw.

April 10.

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Sw.
177 Spizella monticola (Gm.) Bd.
228 Corvus americanus Aud.
252 Bayonis fuscus (Gm.) Bd.

April 11.

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
31 Parus atricapillus L.
137 Carpodacus purpureus (Gm.) Sw.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Sw.
177 Spizella monticola (Gm.) Bd.
187 Passer domesticus Linn.
188 Passerella iliaca (Merrem) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Bayonis fuscus (Gm.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
370 Ectopistes migratorius (L.) Sw.
371 Zenaidura carolinensis (L.) Bp. First seen.

April 12.

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.

[illegible]
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Sw.
177 Spizella monticola (Gm.) Bd.
188 Passerella iliaca (Merrem) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Bayonis fuscus (Gm.) Bd.
385 Bonasa umbellus (L.) [illegible]
178. Spizella socialis. First seen.

April 13.

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman.
31 Parus atricapillus L.
119 Ampelis cedrorum (Vieill.) Bd.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
179 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Sw.
187 Passer domesticus Linn.
188 Passerella iliaca (Merrem) Sw. Last noted 30th
178 Spizella socialis (Wils.) Bd. ~~First seen~~
252 Bayonis fuscus (Gm.) Bd.
299 Picus [illegible] L.
312 Colaptes auratus (L.) Sw.
385 Bonasa umbellus (L.) [illegible]
508 Zenaida macroura (L.) [illegible]

April 14.

1 Turdus migratorius L.
4 Turdus [illegible] Wils. First seen
16 Sialia sialis (L.) Haldeman.
21 Regulus calendula (L.) [illegible]
22 Regulus [illegible] Licht.
31 Parus atricapillus L.

10 Cinclorea fortunarum Hart. Bll.
11 Chaetopsis bistis (L.) Loew
11 Motacilla alboria (Bill.) Bll.
111 Anthus hypoleucus (Bechst.
221 Hirundo erythropygia Sund.
23 Hirundo urbica L.
24 Cypselus murarius (Temm.)
252 Riparia riparia (L.)
256 Ampelis garrulus L.
294 Lanius excubitor L.
312 Sylvia atricapilla (L.)
3 Parus major L.

Fürst Leer.

1 Turdus migratorius L.
11 Sylvia Sialis (L.) Baird.
21 Regulus calendula (L.) Licht.
22 Regulus satrapa Licht.
31 Parus rufescens Towns.
91 Cinclorea fortunarum Hart. Bd.
1 Saxicola oenanthe (L.) Bp.
117 Motacilla alba L.
164 Budytes flavus (L.) Bp.
174 Anthus hypoleucus (Bechst.)
178 Sylvia cinerea (Bodd.) Bp.
191 Chaetura pelasgia (L.) Bp.
224 Hirundo americana Bp.
234 Cypselus murarius (Temm.)
252 Riparia riparia (L.) Bp.
272 Ampelis garrulus L.
294 Lanius excubitor L.
312 Sylvia atricapilla (L.)
315 Parus major L.

Fürst Leer.

1 Turdus migratorius L.
11 Sylvia Sialis (L.) Baird.
21 Regulus calendula (L.) Licht.
22 Regulus satrapa Licht.
31 Parus rufescens Towns.
91 Cinclorea fortunarum Hart. Bd.
1 Saxicola oenanthe (L.) Bp.
117 Motacilla alba L.
164 Budytes flavus (L.) Bp.
174 Anthus hypoleucus (Bechst.)
178 Sylvia cinerea (Bodd.) Bp.
191 Chaetura pelasgia (L.) Bp.
224 Hirundo americana Bp.
234 Cypselus murarius (Temm.)
252 Riparia riparia (L.) Bp.
272 Ampelis garrulus L.
294 Lanius excubitor L.
312 Sylvia atricapilla (L.)
315 Parus major L.

Fürst Leer.

1 Turdus migratorius L.
11 Sylvia Sialis (L.) Baird.
21 Regulus calendula (L.) Licht.
22 Regulus satrapa Licht.
31 Parus rufescens Towns.
91 Cinclorea fortunarum Hart. Bd.
101 Motacilla alba (Pall.) Bd.
111 Anthus hypoleucus (Bechst.)
178 Sylvia cinerea (Bodd.) Bp.
191 Chaetura pelasgia (L.) Bp.
224 Hirundo americana Bp.
234 Cypselus murarius (Temm.)
252 Riparia riparia (L.) Bp.
312 Sylvia atricapilla (L.)
315 Parus major L.

Fürst Leer.

1 Turdus migratorius L.
11 Sylvia Sialis (L.) Baird.
16 Troglodytes Gab.
21 Regulus calendula (L.) Licht.
22 Regulus satrapa Licht.
91 Cinclorea fortunarum Hart. Bd.
1 Saxicola oenanthe (L.) Bp.
101 Motacilla alba (Pall.) Bd.
174 Anthus hypoleucus (Bechst.)
224 Hirundo americana Bp.
234 Cypselus murarius (Temm.)
252 Riparia riparia (L.) Bp.
312 Sylvia atricapilla (L.)
315 Parus major L.
317 Parus cristatus Bp.
385 Regulus angelatus Brunn.
398 Parus ultramarinus Bp.

April 19.

1 Turdus migratorius L.
16 Sialia sialis (L.) Baldamus
90 Sendraca balmanni (Aud.) Bd.
174 Chrysomitris tristis (L.) Bp.
164 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
228 Corvus americanus Aud.
252 Sayornis fuscus (Sw.) Scl.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
386 Quiscalus quiscula (L.) Steph.
385 Brasa cerulea (L.) Steph.

April 20.

1 Turdus migratorius L.
16 Sialia sialis (L.) Baldamus
21 Regulus calendula (L.) Licht.
90 Sendraca balmanni (Aud.) Bd.
9 Seiurus motacilla (Vieill.) Cours
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 Spizella monticola (Gm.) Bd.
117 Ampelis cedrorum (L.) Bd.
228 Corvus americanus Aud.
252 Sayornis fuscus (Sw.) Scl.
279 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
286 Ceryle alcyon (L.) Boie.
385 Quiscalus quiscula (L.) Steph.
547 Icterus spurius (Linn.) Bonap.

April 21

1 Turdus migratorius L.
16 Sialia sialis (L.) Baldamus
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
9 Seiurus motacilla (Vieill.) Cours
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
187 Passer domesticus Linn.
228 Corvus americanus Aud.
252 Sayornis fuscus (Sw.) Scl.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Quiscalus quiscula (L.) Steph.
547 Icterus spurius (Linn.) Bonap.

April 22.

1 Turdus migratorius L.
16 Sialia sialis (L.) Baldamus
147 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp. First Seen.
187 Passer domesticus Linn.
228 Corvus americanus Aud.
286 Ceryle alcyon (L.) Boie.

174 Junco hyemalis (L.) Scl.
228 Corvus americanus Aud.
234 Cyanocitta cristata (L.) Bp.
252 Sayornis fuscus (Sw.) Bd.
312 Colaptes auratus (L.) Sw.
385 Quiscalus quiscula (L.) Steph.
547 Icterus spurius (Linn.) Bonap.

April 21

1 Turdus migratorius L.
16 Sialia sialis (L.) Baldamus
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
9 Seiurus motacilla (Vieill.) Cours
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
187 Passer domesticus Linn.
228 Corvus americanus Aud.
252 Sayornis fuscus (Sw.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Quiscalus quiscula (L.) Steph.
547 Icterus spurius (Linn.) Bonap.

April 22.

1 Turdus migratorius L.
16 Sialia sialis (L.) Baldamus
147 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp. First Seen.
187 Passer domesticus Linn.
228 Corvus americanus Aud.
286 Ceryle alcyon (L.) Boie.

252 [illegible] (Gm.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (Gm.) Bp. (L.) Sw.

April 23.

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman.
21 Regulus calendula (L.) Licht.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
547 Larus argentatus Brunn.
548 Larus delawarensis Ord.

April 24.

1 Turdus migratorius L.
4 Turdus pallasi Cab.
16 Sialia sialis (L.) Haldeman.
21 Regulus calendula (L.) Licht.
9 Sciurus
144 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
221 Scolecophagus ferrugineus (Gm.) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Bonasa umbellus (L.) Steph.
546 Larus argentatus L. Brunn ~~marinus L.~~

April 25.

1 Turdus migratorius L.
4 Turdus pallasi Cab.
16 Sialia sialis (L.) Haldeman.
21 Regulus calendula (L.) Licht.
22 Regulus satrapa Licht.
~~[illegible] familiarus L.~~
111 Hirundo horreorum Barton First seen
31 Parus atricapillus L.
57 Mniotilta varia (L.) V. First seen.
90 Dendroeca palmarum (Gm.) Bd.
117 Ampelis cedorum (V.) Bd.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
187 Passer domesticus Linn.
212 Agelaeus phoeniceus (L.) V. First seen
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
286 Ceryle alcyon (L.) Boie.
312 Colaptes auratus (L.) Sw.
360 Pandion halliaetus (L.) Savigny
435 Totanus solitarius Wilson. First Seen.
546 Larus ~~argentatus~~ marinus L.
547 Larus argentatus Brunn.
548 Larus delawarensis Ord.

The No. of Birds seen to day is somewhat surprizing, since the weather is severe and the ground covered with snow and sleet.

April 6.

1 [illegible]
4 [illegible]
21 [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible]

[illegible]

[illegible]

[illegible] (L.) [illegible]

[illegible] (L.) [illegible]

[illegible] Corvus americanus Aud.

[illegible] Sayornis fuscus (Gm.) Bd.

[illegible] Picus villosus L.

312 Colaptes auratus (L.) Sw.

355 Buteo pennsylvanicus (Wils.) Bp.

370 Ectopistes migratorius (L.) Sw.

[illegible] Bonasa umbellus (L.) Steph.

Sinus 31.

1 Turdus migratorius L.

4 Turdus pallasi Cab.

16 Sialia sialis (L.) Haldeman.

21 Regulus calendula (L.) Licht.

22 Regulus satrapa Licht.

169 Melospiza melodia (Wils.) Bd.

174 Junco hyemalis (L.) Scl.

177 Spizella monticola (Gm.) Bd.

178 Spizella socialis (Wils.) Bp.

188 Passerella iliaca (Merrem) Sw.

228 Corvus americanus Aud.

234 Cyanurus cristatus ~~(Gm.) Bd.~~ (L.) Sw.

252 Sayornis fuscus (Gm.) Bd.

298 Picus villosus L.

312 Colaptes auratus (L.) Sw.

355 Buteo pennsylvanicus (Wils.) Bp.

360 Pandion haliaëtus (L.) Savigny.

370 Ectopistes migratorius (L.) Sw.

385 Bonasa umbellus (L.) Steph.

[illegible]

1 Turdus migratorius L.

4 Turdus pallasi Cab.

16 Sialia sialis (L.) Haldeman.

21 Regulus calendula (L.) Licht.

31 Parus atricapillus L.

9 Seiurus

169 Melospiza melodia (Wils.) Bd.

174 Junco hyemalis (L.) Scl.

177 Spizella monticola (Gm.) Bd.

178 Spizella socialis (Wils.) Bp.

182 Zonotrichia albicollis (Gm.) Bp.

225 Quiscalus purpureus (Bartr.) Licht.

228 Corvus americanus Aud.

252 Sayornis fuscus (Gm.) Bd.

299 Picus pubescens L.

302 Sphyrapicus varius (L.) Bd.

312 Colaptes auratus (L.) Sw.

234 Cyanurus cristatus (L.) Sw.

355 Buteo pennsylvanicus (Wils.) Bp.

370 Ectopistes migratorius (L.) Sw.

385 Bonasa umbellus (L.) Steph.

547 Larus argentatus Brunn.

1 Turdus migratorius L. May [illegible]

4 Turdus pallasi Cab.

16 Sialia sialis (L.) Haldeman.

31 Parus atricapillus L.

9 Seiurus motacilla

169 Melospiza melodia (Wils.) Bd.

177 Spizella monticola (Gm.) Bd.

178 Spizella socialis (Wils.) Bp.

187 Passer domesticus Linn.

228 Corvus americanus Aud.

234 Cyanurus cristatus (L.) Sw.

252 Sayornis fuscus (Gm.) Bd.

112 Tachycineta bicolor, First seen.

[illegible]

[illegible] Mayo.

[illegible]

Mayo.

1 Turdus migratorius L.
4 Turdus palliatus Cab.
16 Sialia sialis (L.) Baldemann.
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
9 Certhia
169 Motacilla alba (Linn.) Bp.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
182 Zonotrichia albicollis (Gmel.) Bp.
225 Picus pubescens (Linn.) Bp.
228 Colaptes auratus (Linn.) Bd.
234 Cyanurus cristatus (L.) Bp.
252 Sayornis fuscus (Gmel.) Bd.
286 Ceryle alcyon (L.) Boie.
312 Colaptes auratus (L.) Sw.
339 Accipiter cooperi Bp.
352 Buteo lineatus (Gmel.) Jard.

[illegible]

Mayo.

1 Turdus migratorius L.
4 Turdus palliatus Cab.
16 Sialia sialis (L.) Baldemann.
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
9 Certhia
169 Motacilla alba (Linn.) Bp.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
182 Zonotrichia albicollis (Gmel.) Bp.
225 Picus pubescens (Linn.) Bp.
228 Colaptes auratus (Linn.) Bd.
234 Cyanurus cristatus (L.) Bp.
252 Sayornis fuscus (Gmel.) Bd.
286 Ceryle alcyon (L.) Boie.
312 Colaptes auratus (L.) Sw.
339 Accipiter cooperi Bp.
352 Buteo lineatus (Gmel.) Jard.

Mayo.

1 Turdus migratorius L.
4 Turdus palliatus Cab.
16 Sialia sialis (L.) Baldemann.
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
9 Certhia
169 Motacilla alba (Linn.) Bp.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
182 Zonotrichia albicollis (Gmel.) Bp.
225 Picus pubescens (Linn.) Bp.
228 Colaptes auratus (Linn.) Bd.
234 Cyanurus cristatus (L.) Bp.
252 Sayornis fuscus (Gmel.) Bd.
286 Ceryle alcyon (L.) Boie.
312 Colaptes auratus (L.) Sw.
339 Accipiter cooperi Bp.
352 Buteo lineatus (Gmel.) Jard.

Day 6.

1 Turdus migratorius L.
4 Turdus pallasi Cab.
21 Regulus calendula (L.) Sicht.
31 Parus atricapillus L.
[illegible] Seiurus
16 Sialia sialis (L.) Haldeman
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
182 Zonothrichia albicollis (Gm.) Bp.
187 Passer domesticus Gm.
228 Corvus americanus Aud.
252 Sayornis fuscus (Gm.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.

Day 7.

1 Turdus migratorius L.
4 Turdus pallasi Cab.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
21 Regulus calendula (L.) Sicht.
31 Parus atricapillus L.
49 Troglodytes aëdon V. First seen.
9— Seiurus
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 Spizella pusilla (Wils.) Bp.
182 Zonothrichia albicollis (Gm.) Bp.
204 Pipilo erythrophthalmus (L.) V. First seen

[illegible] L. V.
22[illegible] Sclerophagus [illegible] (L.) [illegible]
[illegible] Quiscalus [illegible] (L.) [illegible]
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
355 Buteo pennsylvanicus (Wils.) Bp.

Day 8.

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman.
21 Regulus calendula (L.) Sicht.
31 Parus atricapillus L.
49 Troglodytes aëdon V.
57 Mniotilta varia (L.) V.
78 Dendroica coronata (L.) Gr. First seen.
92 Seiurus aurocapillus (L.) Sw.
9— Seiurus —
111 Hirundo horreorum Barton.
149 Chrysomitris tristis (L.) Bp.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 Spizella pusilla (Wils.) Bp.
169 Melospiza melodia (Wils.) Bd.
182 Zonothrichia albicollis (Gm.) Bp.
204 Pipilo erythrophthalmus (L.) V. First seen.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
271 Chaetura pelasgia (L.) Steph. First seen.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
351 Buteo borealis (Gm.) V.
355 Buteo pennsylvanicus (Wils.) Bp.

May 1.

1 Turdus migratorius L.
4 Turdus ~~[illegible]~~ swainsoni or alicia
16 Sialia sialis (L.) Hardeman.
21 Regulus calendula (L.) Licht.
41 Troglodytes aedon V.
[illegible] Mniotilta varia (L.) V.
[illegible] Dendroica coronata (L.) Gr.
[illegible] Seiurus — ludovicianus.
104 Setophaga ruticilla (L.) Sw. First seen.
107 Pyranga rubra (L.) V. First seen
[illegible] Carpodacus purpureus (Gm.) Gr.
119 Chrysomitris tristis (L.) Bp.
161 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl. Last noted
178 Spizella socialis (Wils.) Bp.
182 Zonothrichia albicollis (Gm.) Bp.
193 Goniaphea ~~[illegible]~~ ludoviciana (L.) Boudach. First seen.
[illegible] Pipilo erythrophthalmus (L.) V.
216 Icterus baltimore (L.) Dandin First seen
221 Scolecophagus ferrugineus (Gm.) Sw.
225 Quiscalus purpureus (Bartr.) Licht.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
271 Chaetura pelasgia (L.) Steph.
297 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
[illegible] Tringoides macularius (L.) Gr. First seen
447 Ardea herodias L.
Spatula clypeata? Also saw four Ducks which I think were Shovellers
498 Spatula clypeata (L.) Boie.

May 10.

1 Turdus migratorius L.
9 Minimus carolinensis (L.) Gr. First seen.
10 Harporhynchus rufus (L.) Cab.
49 Troglodytes aedon V.
92 Seiurus aurocapillus (L.) Sw.
9- Seiurus ludovicianus
149 Chrysomitris tristis (L.) Bp.
69 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
187 Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L. First seen.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.

May 11.

1 Turdus migratorius L.
4 Turdus ~~[illegible]~~ ~~Cab.~~ swainsoni or alicia.
9 Minimus carolinensis (L.) Gr. ~~First seen~~
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Hardeman.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
67 Helminthophaga ruficapilla (Wils.) Bd.
70 Dendroica coronata (L.) Gr.
83 Dendroica pennsylvanica (L.) Bd. First seen
97 Geothlypis trichas (L.) Cab. First seen.
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton
139 Carpodacus purpureus (Gm.) Gr.

141 [illegible]
[illegible] Bd.
[illegible] Spizella socialis (Wilson) Bp.
[illegible] Spizella pusilla (Wils.) Bp.
[illegible] Zonotrichia albicollis (Gm.) Bp.
[illegible] Passer domesticus Linn.
[illegible] Pipilo erythrophthalmus (L.) V.
[illegible] Agelaeus [illegible] V.
216 Icterus baltimore (L.) Dandin.
221 Scolecophagus [illegible] (Gm.) Sw.
[illegible] Corvus americanus Aud.
[illegible] Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd. First seen.
[illegible] Sayornis fuscus (Gm.) Bd. ~~First seen~~
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
100 Icteria virens (L.) First seen.

Day 12.

1 Turdus migratorius L.
4 Turdus ~~[illegible]~~ swainsoni or aliciae
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
57 Mniotilta varia (L.) V.
67 Helminthophaga ruficapilla (Wils.) Bd.
78 Dendroica coronata (L.) Gr.
83 Dendroica pennsylvanica (L.) Bd.
92 Seiurus aurocapillus (L.) Sw.
9– Seiurus ---
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
111 Hirundo horreorum Bodon.
122 Vireo olivaceus (L.) V. – First seen
139 Carpodacus purpureus (Gm.) Gr.

141 [illegible] (L.) Bp.
161 Pipilo [illegible] melodia (Wils.) Bd.
17[illegible] Spizella socialis (Wils.) Bp.
182 Zonotrichia albicollis [illegible]
[illegible] Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd. First seen.
204 Pipilo erythrophthalmus (L.) V.
216 Icterus baltimore (L.) Dandin.
[illegible] Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Ochtopus [illegible] (L.) Cab. First seen.
265 Antrostomus vociferus (Wils.) Bd. First seen
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Boniasa umbellus (L.) Steph.

Day 13.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
[illegible] Mniotilta varia (L.) V.
7[illegible] Dendroica coronata (L.) Gr.
92 Seiurus aurocapillus (L.) Sw.
100 Icteria virens (L.) Bd.
104 Setophaga ruticilla (L.) Sw.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 Spizella pusilla (Wilson) Bp.

[illegible]
214 Picus viridis L.
[illegible] Cuculus canorus L.
[illegible] Picus [illegible] (Bl.) Bd.
[illegible] Picus [illegible] (Bl.) Bd. First seen
[illegible] Alcedo ispida (Bl.) Bja.
[illegible] Hirundo [illegible] (Bl.) Caudata
[illegible] Motacilla alba L. Bd.
234 Oriolus galbula (Bl.) Stv.
242 Muscicapa collaris (Bl.) Bd.
252 Parus major (Bl.) Bd.
255 Certhia familiaris (Bl.) Cab.
265 Hydrobata cinclus (Wils.) Bja.
271 Chelidon urbica (Bl.) Stapln.
275 Hirundo rustica L.
290 Coccyzus erythrophthalmus (Wils.) Bd.
312 Colaptes auratus (L.) Stv.
315 Bonasa umbellus (L.) Stapln.

D Day 14.

1 Turdus migratorius L.
4 Turdus [illegible] swainsoni or alicicæ
9 Hirundo carolinensis (L.) Fr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Hildemann
49 Trochodytes aedon V.
84 Helmitheophaga rufica[illegible] (Wils.) Bd.
88 Dendroeca [illegible] (L.) Bd.
[illegible] Turdus
104 Helminthophaga [illegible] (L.) Stv.
111 Hirundo horreorum Barton.
122 Vireo [illegible] V.
149 Chrysomitris tristis (L.) Bja.
169 Melospiza melodia (Wils.) Bd.
178 Fringilla socialis (Wils.) Bja.
182 Zonotrichia alicollis (Bnd.) Bja.

187 Passer [illegible] Linn.
197 Cyanospiza cyanea (L.) Bd.
204 Picus erythrocephalus L.
212 Aquila [illegible] (L.) Bja.
215 Falco sparverius (L.) Bja.
216 Falco [illegible] (L.) Caudata
221 Circus hudsonius Linn. Stv.
238 Corvus corax sinuatus Wgd.
254 Cyanurus cristatus (L.) Stv.
242 Myiarchus crinitus (L.) Bd.
252 Parus [illegible] (L.) Bd.
255 Certhia [illegible] (L.) Cab.
256 Troglodytes minimus [illegible] Bd.
265 Hydrobata [illegible] Wils. Bja.
271 Chelidon [illegible] (L.) Stapln.
275 Trochilus colubris L.
290 Coccyzus erythrophthalmus (Wils.) Bd.
299 Picus [illegible] L.
312 Colaptes auratus (L.) Stv.

D 4 Day 5.

1 Turdus migratorius L.
4 Turdus [illegible] swainsoni or alicicæ
9 Hirundo carolinensis (L.) Fr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis L. Hildemann
49 Trochodytes aedon V.
84 Dendroeca maculosa (Gm.) Bd.
111 Hirundo horreorum Barton.
126 Vireo flavifrons V. – First seen
149 Chrysomitris tristis (L.) Bja.
169 Melospiza melodia (Wils.) Bd.
178 Fringilla socialis (Wils.) Bja.
182 Zonotrichia alicollis (Gm.) Bja.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.

1 [illegible]

[illegible]

16 [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

D. Cay. 10.

1 [illegible]

4 [illegible] swainsonii var. alricae

1 [illegible]

11 [illegible]

16 Sitta europaea Linn. Hartert.

71 Dendroica aestiva (Gml.) Bd.

9— Seiurus

100 Setophaga ruticilla (L.) Baird.

111 Hirundo horreorum Barton.

122 Vireo olivaceus (L.) Bp.

149 Chrysomitris tristis (L.) Bp.

169 Melospiza melodia (Wils.) Bd.

178 Spizella socialis (Wils.) Bp.

182 Zonotrichia albicollis (Gml.) Bp.

(187) Passer domesticus Linn.

193 Zonaeschia melanocephala (L.) Bonap.

199 Quiscalus aeneus (Rich.) Bd.

204 Pipilo Erythrophthalmus (L.) V.

215 Melospiza fasciata (Gml.) Bp.

216 Peucaea bachmani (Aud.) Baird.

228 Corvus americanus Aud.

234 Cyanurus cristatus (L.) Sw.

242 Tyrannus carolinensis (L.) Bd.

252 Dryomanes fuscus (Gml.) Bd.

[illegible]

[illegible]

[illegible]

[illegible]

D. Cay. 11.

1 [illegible]

7 Junco ~~hyemalis~~ swainsoni var. alricae

9 Melospiza georgiana (Lath.) Bd.

10 Ammodramus passerinus (Wils.) Bp.

16 Sialia sialis (L.) Baird.

71 Dendroica aestiva (Gml.) Bd.

84 Dendroica pensylvanica (L.) Bd.

72 Seiurus aurocapillus (L.) Sw.

7— Seiurus

77 Geothlypis trichas (L.) Cab.

100 Setophaga ruticilla (L.) Baird.

104 Vetofilauga ruticilla (L.) Sw.

107 Lyga ugi rubra (L.) V.

111 Hirundo horreorum Barton.

122 Vireo olivaceus (L.) V.

149 Chrysomitris tristis (L.) Bp.

164 Melospiza melodia (Wils.) Bd.

178 Spizella socialis (Wils.) Bp.

(187) Passer domesticus Linn.

193 Zonaeschia melanocephala (L.) Bonap.

199 Quiscalus aeneus (Rich.) Bd.

204 Pipilo Erythrophthalmus (L.) V.

215 Melospiza fasciata (Gml.) Bp.

216 Peucaea bachmani (Aud.) Baird.

228 Corvus americanus Aud.

234 Cyanurus cristatus (L.) Sw.

242 Tyrannus carolinensis (L.) Bd.

252 Dryomanes fuscus (Gml.) Bd.

255 Cardinalis virginianus (L.) Cab.

256 Empidonax ~~minimus~~ [illegible] Bd.

265 Antrostomus vociferus (Wils.) Bp.

11 Turdus [illegible] L. Wis.
179 Agelaius [illegible] L.
324 Colaptes [illegible] L.) Wis.
335 Bubo [illegible] (Wils.) Bp.
345 Botaurus [illegible] (L.) Steph.

Ord. 18.

1 Turdus migratorius L.
3 Turdus [illegible] Wis.
4 Turdus [illegible] swainsoni or aliciae.
9 Turdus [illegible] Wis.
10 Regulus [illegible] (L.) Cab.
16 Sialia sialis (L.) Vieillot.
49 Troglodytes [illegible]
63 Dendroica [illegible] (L.) Bd.
72 Seiurus [illegible] (L.) Sw.
[illegible]
100 Vireo [illegible] Bd.
104 Setophaga [illegible] (L.) Sw.
107 Pyranga [illegible] L.
111 Hirundo [illegible]
149 Chrysomitris [illegible] Bp.
169 Melospiza [illegible] Bp.
178 Spizella [illegible] Bp.
(187) Passerella [illegible]
193 Zonotrichia [illegible] Bonap.
199 [illegible] (Cyanospiza cyanea) L.
204 Pipilo [illegible]
213 Icterus [illegible] L.
216 Icterus [illegible] Cab.
228 Corvus [illegible]
242 Tyrannus [illegible] L.
252 Sayornis [illegible]
255 Contopus [illegible]
265 Antrostomus [illegible]

271 Chaetura [illegible]
291 Picus [illegible]
312 Colaptes [illegible]

Ord. 11.

1 Turdus migratorius L.
3 Turdus [illegible] Wis.
4 Turdus [illegible] swainsoni or alicia
16 Sialia sialis (L.) Vieillot
49 Troglodytes [illegible]
71 Dendroica [illegible]
82 Dendroica [illegible] (Wils.) Bd. First seen.
83 Dendroica [illegible] (L.) Bd.
92 Seiurus [illegible] L. Sw.
[illegible]
100 Vireo [illegible] Bd.
104 Setophaga [illegible] (L.) Sw.
107 Pyranga [illegible] L.
111 Hirundo [illegible] Barton
122 Vireo [illegible] L.
126 Vireo [illegible]
149 Chrysomitris [illegible] Bp.
169 Melospiza [illegible] Bd.
178 Spizella [illegible] Bp.
179 Spizella [illegible] Bp.
(187) Passerella [illegible]
193 Zonotrichia [illegible] Bp.
199 Cyanospiza cyanea L. Bd.
204 Pipilo [illegible]
213 Icterus [illegible] Bp.
216 Icterus [illegible] Cab.
228 Corvus [illegible]
242 Tyrannus [illegible] Bd.
252 Sayornis [illegible] Bd.
255 Contopus [illegible] Cab.
271 Chaetura [illegible] Steph.

[illegible] [illegible] L.
293 [illegible] [illegible] Bd.
[illegible] [illegible] L.
[illegible] [illegible] L. [illegible]

Day 20.

1 Turdus migratorius L.
[illegible] Turdus [illegible] Gm.
4 Turdus ~~[illegible]~~ swainsoni or aliciae
7 Mimus carolinensis (L.) Gr.
10 [illegible] rufus (L.) Cab.
[illegible] [illegible] L.
[illegible] [illegible] V.
[illegible] Mniotilta varia (L.) V.
71 Dendroica virens (Gm.) Bd.
76 Dendroica caerulescens (L.) Bd. First seen
78 Dendroica coronata (L.) Gr.
81 Dendroica striata (Forst.) Bd.
82 Dendroica castanea (Wils.) Bd.
83 Dendroica pennsylvanica (L.) Bd.
9 Seiurus
100 Icteria virens (L.) Bd.
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton.
122 Vireo olivaceous (L.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
193 Goniaphea ludoviciana (L.) Bonaich.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Gr. First seen.
212 Agelaeus phoeniceus (L.) V.
215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Dandin.

228 Corvus [illegible] Bd.
[illegible] [illegible] [illegible]
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
271 Chaetura pelasgia (L.) [illegible]
275 Trochilus colubris L.
290 Cocaizus erythrophthalmus (Wils.) Bd.
[illegible] Colaptes auratus (L.) Sw.
385 Bonasa umbellus (L.) [illegible]
436 Tringoides macularius (L.) [illegible]
489 Anas obscura Gm.

Day 21.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
4 Turdus ~~[illegible]~~ swainsoni or aliciae
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) [illegible]
71 Dendroica virens (Gm.) Bd.
9 Seiurus
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton
122 Vireo olivaceous (L.) V.
169 Melospiza melodia (Wils.) Bd.
(178) Passer domesticus
199 Cyanospiza cyanea (L.) Bd.
216 Icterus baltimore (L.) Dandin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
271 Chaetura pelasgia (L.) [illegible]
355 Buteo pennsylvanicus (Wils.) Bp.

Page 22.

1 [illegible]
2 [illegible]
7 [illegible] ~~[illegible]~~ swansonia alicia
9 [illegible] [illegible] (L.) Sh.
10 Calystegia sepium (L.) Can.
16 Stilia sialis (L.) Adanson.
18 Dendrosa canadensis (L.) Bd.
2 Dendroica castanea (Wils.) Bd.
104 Helinaia solitaria (L.) Bon.
111 Pyhonopsis rubra L.) L.
111 Hearinda horrorum Barton.
114 Stachycinta vicolor (L.) Es. - First seen
114 Stelgidopteryx serripennis (Aud.) Ca. - Seen First.
115 ~~Helminthophaga~~ Cotile riparia (Linn.
122 Vireo olivaceus (L.) V.
126 Vireo [illegible]) V.
141 Seiurus noveboracensis (L.) B.
147 Wilsonia mitrata (Wils.) B.
175 Spizella socialis (Wils.) Bp.
(151) Passer domesticus Linn.
173 Dendroica tigrina (Gmel.) Brewst.
204 Pipilo erythrophthalmus (L.) V.
215 Melospiza fasciata (L.) Bp.
216 Melospiza [illegible] (L.) Baird
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Bon.
242 Tyrannus [illegible] (L.) Bd.
247 Myiarchus crinitus (L.) Cab. First Seen.
252 Hylocichla fuscescens (Steph.) Bd.
255 Turdus [illegible] Cat.
265 Ammodramus [illegible] (Wils.) Bp.
271 Chaetura pelagica (L.) Steph.
277 Ardea virescens L. First seen.

Page 23.

[illegible]
[illegible]
~~[illegible]~~ mariscoria alicia
[illegible]
[illegible]
[illegible]
~~Helminthophaga~~ Sciurus [illegible]
[illegible]
[illegible]
[illegible]
82 Geothlypis trichas (L.) V.
[illegible]
[illegible]
101 ~~Helminthophaga~~ Melospiza melodia (Wils.) Bd.
111 Turdus [illegible]
113 Hylocichla [illegible]
149 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
211 ~~Helminthophaga~~ [illegible] [illegible]
212 Agelaius phoeniceus (L.) V.
215 Melospiza fasciata (L.) Bp.
216 Melospiza [illegible] (L.) Baird
221 Scolecophagus carolinus (Müll.) Ba.
228 Corvus [illegible] Aud.
234 Cyanurus cristatus (L.) Bon.
242 Tyrannus [illegible] (L.) Bd.
247 Myiarchus crinitus (L.) Cab.
252 Hylocichla fuscescens (Steph.) Bd.
256 Ereunetes occidentalis (Lawr.) Bd.
265 Ammodramus [illegible] (Wils.) Bp.
271 Chaetura pelagica (L.) Steph.
275 Trochilus colubris L.
286 Empidonax [illegible] (L.) Bd.
290 Empidonax [illegible] (Wilson) Baird.
312 [illegible] (L.) Bon.

Quad. 1.

1 [illegible]
[illegible] Fragaria indentata (Pers.)
[illegible] Potentilla canadensis (L.) Dr.
[illegible]
[illegible] Geum rivale (L.) Claytonia
[illegible] Ranunculus acris L.
[illegible] Ranunculus repens L.
[illegible] Caltha palustris L.
[illegible] Anemone virginiana L.
[illegible] Thalictrum dioicum L.
[illegible] Sanguinaria canadensis L.
[illegible] Corydalis aurea Willd.
[illegible] Cardamine pratensis L. var. rotundifolia Mx.
[illegible] Arabis lyrata L.
[illegible] Draba aizoides L.
[illegible] Viola pedata L.
[illegible] Viola pubescens Ait.
[illegible] Viola rotundifolia Michx.
[illegible] Viola canadensis L.
[illegible] Viola blanda Willd.
[illegible] Viola sagittata Ait.
[illegible] Viola palmata L.
[illegible] Viola pedatifida Don.
[illegible] Viola lanceolata L.
[illegible] Viola primulifolia L.
[illegible] Viola cucullata Ait.
[illegible] Viola [illegible] Muhl.
[illegible] Viola [illegible] Ait.
[illegible] Viola [illegible] Pursh
[illegible] Viola [illegible] Nutt.
[illegible] Viola [illegible] Torr.
[illegible] Viola [illegible] Ell.
[illegible] Viola [illegible] Muhl.
[illegible] Viola [illegible] Ell.
[illegible] Viola [illegible] Ell.
[illegible] Viola [illegible] Ell

16[illegible] [illegible] (Wils.) Bd.
17[illegible] Spizella [illegible] (Wils.) Bp.
[illegible] Spizella [illegible] (Wils.) Bp.
[illegible] Cyanospiza cyanea (L.) Bd.
[illegible] Pipilo erythrophthalmus (L.) V.
[illegible] Molothrus ater (Gm.) Gr.
[illegible] Agelaeus phoenicens (L.) V.
[illegible] Icterus spurius (L.) Bp.
[illegible] Icterus baltimore (L.) Cand.
[illegible]21 Scolecophagus ferruginens (Gm.) Gr.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Gr.
242 Tyrannus carolinensis (L.) Bd.
2[illegible]2 Sayornis fuscus (Gm.) Bd.
25[illegible] Contopus virens (L.) Cab.
2[illegible]5 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
371 Zenaedura carolinensis (L.) Bp.
Most of the above were Eew near Fishkill

May 27.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
4 Turdus ~~[illegible]~~ Swainson or Alicia
9 Minimus carolinensis Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
49 Troglodytes aedon V.
92 Seiurus aurocapillus (L.) Sw.
9[illegible] [illegible]
104 Ictophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hyrundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
122. Vireo [illegible] (L.) V.
169 Melospiza melodia (Wils.) Bd.

[illegible] Spizella socialis (Wils.) Bp.
199 Cyanospiza cyanea (L.) Bd.
207 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Gr.
215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Cand.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
271 Chaetura pelasgia (L.) Steph.

May 28.

Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Minimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) [illegible]
51 [illegible] (Wils.) [illegible]
78 Dendroica [illegible] (L.) Gr.
[illegible] Dendroica striata (Forst.) Bd.
82 Dendroica castanea (Wils.) Bd.
92 Seiurus aurocapillus (L.) Gr.
107 Pyranga rubra (L.) V.
111 Hyrundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 Spizella pusilla (Wils.) Bp.
(181) Passer domesticus Linn.
193 Goniaphea ludoviciana (L.) Boudich.
197 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Gr.
212 Agelaeus phoenicens (L.) V.
215 Icterus spurius (L.) Bp.

216 Pelt. baltimore (L.) Dandr.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
262 Sayornis fuscus (Gm.) Bd.
266 Certhia familiaris (L.) Cab.
271 Chaetura pelagica (L.) Steph.

Mai 31.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
7 Minimus canadensis (L.) Vr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Baldemann.
42 Sciurus carolinensis Gmel.
99 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
211 Melothrus ater (Gm.) Sw.
215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Daudin
224 Quiscalus quiscula (L.) Vieill.
234 Spinus tristis (L.) Bp.
242 Tyrannus carolinensis (L.) Bd.
262 Sayornis fuscus (Gm.) Bd.
265 Anthus ludovicianus (Gm.) Licht.
271 Chaetura pelagica (L.) Steph.
288 Ceryle alcyon (L.) Boie
385 Bonasa umbellus (L.) Steph.

224 Quiscalus quiscula (L.) Vieill.
234 Spinus tristis (L.) Bp.
242 Tyrannus carolinensis (L.) Bd.
262 Sayornis fuscus (Gm.) Bd.
266 Certhia familiaris (L.) Cab.
271 Chaetura pelagica (L.) Steph.
276 Trochilus colubris L.
312 Corvus corax sinuatus Wagl.
357 Melopelia leucoptera (Gm.) Bp.

Mai 30.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Baldemann.
42 Sciurus carolinensis Gmel.
99 Cyanospiza cyanea (L.) Bd.
100 Icteria virens (L.) Bd.
111 Hirundo horreorum (L.) Steph.
119 Ampelis cedrorum (V.) Bd.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(181) Passer domesticus (L.) V.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Sw.
216 Icterus baltimore (L.) Daudin
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
262 Sayornis fuscus (Gm.) Bd.
266 Certhia familiaris (L.) Cab.
267 Troglodytes hiemalis Vieill.
271 Chaetura pelagica (L.) Steph.
288 Ceryle alcyon (L.) Boie
385 Bonasa umbellus (L.) Steph.

May 31.

1 Turdus migratorius L.
9 Minus ~~mustelinus~~ carolinensis (L.) Gm.
10 Harporhynchus rufus (L.) Cab.
49 Troglodytes aedon V.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
199 Cyanospiza cyanea (L.) Bd.
215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
271 Chaetura pelasgia (L.) Steph.

June 1.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Minus carolinensis (L.) Gr.
10 [illegible] rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
92 Seiurus aurocapillus (L.) Sw.
9 – Seiurus
100 Icteria virens (L.) Bd.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton.
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
199 Cyanospiza cyanea (L.) Bd.

204 Pipilo erythrophthalmus (L.) V.
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
247 Myiarchus crinitus (L.) Cab.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
256 Empidonax acadicus (Gm.) Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Stephens
286 Ceryle alcyon (L.) Boie

June 2.

3 Turdus mustelinus Gm.
9 Minus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) [illegible]
57 Mnotilta varia (L.) V.
71 Dendroica virens (Gm.) Bd.
83 Dendroica pennsylvanica (L.) Bd.
9 – Seiurus
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
104 Selophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
247 Myiarchus crinitus (L.) Cab.
252 Sayornis fuscus (Gm.) Bd.
256 Empidonax acadicus (Gm.) Bd.

271 Fabacta Julia gr.
286 Corylus alba Koch. Syn.
288 Pseudotsuga Douglasii Carr.

June 3.

1 Turdus migratorius L.
3 Turdus minimus Gm.
9 Minimus carolinensis (L.) Bp.
10 Harporhynchus rufus (L.) Cab.
92 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
228 Dolichonyx oryzivorus Aud.
242 Myiarchus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
256 Empidonax acadicus (Gm.) Bd.
271 Chaetura pelagica (L.) Steph.
286 Corylus alba var. Koch.
312 Salix fragilis Linnaeus (L.) Sm.

June 4.

1 Turdus migratorius L.
3 Turdus minimus Gm.
9 Melospiza melodia (Wils.) Bd.
10 Harporhynchus rufus (L.) Cab.
92 Spizella socialis (Wils.) Bp.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
228 Dolichonyx oryzivorus Aud.
242 Myiarchus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
256 Empidonax acadicus (Gm.) Bd.
271 Chaetura pelagica (L.) Steph.
286 Corylus alba var. Koch.
312 Salix fragilis Linnaeus (L.) Sm.

1 Turdus migratorius L.
111 Hylocichla mustelina (Gm.) Bd.
123 Vireo olivaceus (L.) V.
179 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 Spizella pusilla (Wils.) Ch.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Daudin.
228 Dolichonyx oryzivorus Aud.
242 Myiarchus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
256 Empidonax acadicus (Gm.) Bd.
271 Chaetura pelagica (L.) Steph.
286 Corylus alba var. Koch.
385 Morus rubra Linnaeus (L.) Steph.
458 Wyckiardea grisea (L.) Steph. var. nana Goddijn.

June 6.

1 Turdus migratorius L.
3 Turdus minimus Gm.
9 Melospiza melodia (Wils.) Bd.
19 Troglodytes aedon V.
104 Setophaga ruticilla (L.) Sw.
111 Hylocichla mustelina (Gm.) Bd.
179 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Daudin.
271 Chaetura pelagica (L.) Steph.

June 6.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
100 Icteria virens (L.) Bd.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
126 Vireo flavifrons V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
199 ~~Chrysomitris~~ Cyanospiza cyanea (Wils.)
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Gr.
215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Dandin
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
290 Coccyzus erythrophthalmus (Wils.)

June 7.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
79 Miniotilta varia (L.) V.
7 Troglodytes aedon V.
9 Seiurus ——
10 Icteria virens (L.) Bd.
111 Hirundo horreorum Barton

119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
199 Cyanospiza cyanea (L.) Bd.
216 Icterus baltimore (L.) Dandin.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
312 Colaptes auratus (L.) Sw.
375 Bonasa umbellus (L.) Steph.

June 8.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Mimus carolinensis (L.) Gr.
16 Sialia sialis (L.) Haldeman
47 Troglodytes aedon V.
100 Icteria virens (L.) Bd.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
199 Cyanospiza cyanea (L.) Bd.
215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Dandin.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
286 Ceryle alcyon (L.) Boie.
290 Coccyzus erythrophthalmus (Wils.) Bd.

June 9.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Mimus carolinensis (L.) Gr.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
100 Icteria virens (L.) Bd.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Dandin
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
271 Chaetura pelasgia (L.) Steph.
312 Colaptes auratus (L.) Sw.

June 10.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
51 Telmatodytes palustris (Wils.) Cab
9 — Sciurus
100 Icteria virens (L.) Bd.
111 Hirundo horreorum Barton.
119 Ampelis cedorum (V.) Bd.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
212 Agelaeus phoeniceus (L.) V.

215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
256 Empidonax acadicus (Gm.) Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
290 Coccyzus erythrophthalmus (Wils.) Bd.
312 Colaptes auratus (L.) Sw.
360 Pandion halliaetus (L.) Savigny.
457 Ardea virescens L.

June 11.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Mimus carolinensis (L.) Gr.
16 Sialia sialis (L.) Haldeman.
92 Seiurus aurocapillus (L.) Sw.
9 — Sciurus
100 Icteria virens (L.) Bd.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
216 Icterus baltimore (L.) Dandin.
228 Corvus americanus Aud.
271 Chaetura pelasgia (L.) Steph.
290 Coccyzus erythrophthalmus (Wilson) Bd.

Juni 12

1 Fundus migratorius L.
113 Agelaius phoeniceus (L.)
41 Troglodytes aedon V.
199 Cyanospiza cyanea (L.) Bd.
169 Melospiza melodia (Wils.)
178 Strigella arcuata (Strickl.)
1187 Passer domesticus Linn.
99 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
216 Melcena caliginosa (L.) Baird.
228 Corvus americanus Aud.
242 Zonotrichia querula (Nutt.) Bd.
252 Spizella pusilla (Wils.) Bd.
255 Icteria virens (L.) Bd.
256 Anthodromas ardeicus (Gm.) Bd.
265 Ammodramus nelsoni (Allen) Bp.
271 Chaetura pelagica (L.) Steph.
275 Trochilus colubris L.

Juni 13.

1 Fundus migratorius L.
9 Melospiza fasciata (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Baldwin.
31 Hirundo horreorum Barton
119 Ampelis cedrorum (V.) Bd.

122 Vireo olivaceus (L.) V.
147 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Strigella arcuata (Strickl.) Bp.
1187 Passer domesticus Linn.
99 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
216 Melcena caliginosa (L.) Baird.
228 Corvus americanus Aud.
242 Zonotrichia querula (Nutt.) Bd.
252 Spizella pusilla (Wils.) Bd.
255 Icteria virens (L.) Cab.
265 Ammodramus nelsoni (Allen) Bp.
271 Chaetura pelagica (L.) Steph.
275 Trochilus colubris L.

Juni 14

1 Fundus migratorius L.
3 Fundus mustelinus Gm.
9 Melospiza fasciata (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Baldwin.
41 Troglodytes aedon V.
93 Helinaia swainsonii (Gr.) (Gm.) Bd.
104 Selophaga ruticilla (L.) Steph.
111 Hirundo horreorum Barton
119 Ampelis cedrorum (V.) Bd.
122 Vireo olivaceus (L.) V.
126 Vireo flavifrons V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Strigella arcuata (Strickl.) Bp.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
215 Melcena caliginosa (L.) Bp.

[illegible] Icterus baltimore (L.) Dandin.
[illegible] Corvus americanus [illegible]
[illegible] ~~[illegible]~~ yanurus cristatus (L.) [illegible]
242 Tyrannus carolinensis (L.) Bd.
[illegible] Sayornis fuscus (Gm.) Bd.
[illegible] Contopus virens (L.) Cat.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
[illegible] Trochilus colubris L.
286 Ceryle alcyon (L.) Boie.
290 Coccyzus erythrophthalmus (Wils.) Bd.

June 15.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Mimus carolinensis (L.) Gr.
16 Sialia sialis (L.) Haldeman
49 Troglodytes aedon V.
93 Seiurus noveboracensis (Gm.) Nutt. ?
100 Icteria virens (L.) Bd.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton.
112 Tachycineta bicolor (V.) Cs.
114 Petrochelidon lunifrons (Say.) Cat.
119 Ampelis cedorum (V.) Bd.
123 Vireo olivaceus (L.) V.
[illegible] Vireo flavifrons V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
[illegible] Pipilo erythrophthalmus (L.) V.
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.

252 [illegible]
[illegible] Myiarchus [illegible]
[illegible] Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cat.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
290 Coccyzus erythrophthalmus (Wils.) Bp.
312 Colaptes auratus (L.) Sw.
360 Pandion halliaetus (L.) Savigny.

June 16.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
10 Harporhynchus rufus (L.) Cat.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
51 Telmatodytes palustris (Wils.) Cat.
93 Seiurus noveboracensis (Gm.) Nutt. ?
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
123 Vireo olivaceus (L.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
212 Agelaeus phoeniceus (L.) V.
216 Icterus baltimore (L.) Dandin.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cat.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
286 Ceryle alcyon (L.) Boie.
312 Colaptes auratus (L.) Sw.
489 [illegible]

June 17.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Minus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
100 Icteria virens (L.) Bd.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
212 Agelaeus phoenicens (L.) V.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
256 Empidonax acadicus (Gm.) Bd.
265 (Antrostomus) vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
286 Ceryle alcyon (L.) Boie.

June 18.

1 Turdus migratorius L.
49 Troglodytes aedon V.
100 Icteria virens (L.) Bd.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
204 Pipilo erythrophthalmus (L.) V.

228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
255 Contopus virens (L.) Cab.
271 Chaetura pelasgia (L.) Steph.

June 19.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Minus carolinensis (L.) Gr.
16 Sialia sialis (L.) Haldeman
49 Troglodytes aedon V.
100 Icteria virens (L.) Bd.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
212 Agelaeus phoenicens (L.) V.
216 Icterus baltimore (L.) Daudin.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
286 Ceryle alcyon (L.) Boie
312 Colaptes auratus (L.) Sw.
390 Coccyzus erythrophthalmus (Wils.) Bd.

C.

1 Hyndus migratorius L.
3 Hyndus [illegible] Gm.
7 Mimus carolinensis (L.) Sd.
10 Cat[illegible] rufus (L.) Cab.
71 Hyp[illegible] aralis V.
76 Sylvicola [illegible]
100 Dolichonyx oryzivorus (L.) Bd.
104 Melospiza melodia (Wils.) Bd.
111 Richmondena cardinalis (L.) Bon.
119 Ampelis cedrorum (Vieill.) Bd.
122 Vireo olivaceus (L.) V.
169 Dendroica aestiva (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus (Linn.)
204 Pipilo erythrophthalmus (L.) V.
216 Pyrgita ludoviciana (Gm.) Bp.
242 Cyanospiza cyanea (L.) Bd.
253 Hylocichla mustelina (Gm.) Bp.
255 Turdus migratorius L. Cab.
271 Chaetura pelagica (L.) Steph.
275 Trochilus colubris L.
286 Ceryle alcyon (L.) Bp.

June 21.

1 Turdus migratorius L.
3 Hyndus rufivirgatus Gm.
7 Mimus carolinensis (L.) Sd.
10 Harporhynchus rufus (L.) Cab.
71 Hylocichla aedon V.
100 Dolichonyx oryzivorus (L.) Bd.
104 Melospiza melodia (Wils.) Bd.
111 Richmondena cardinalis (L.) Bon.
119 Ampelis cedrorum (Vieill.) Bd.
122 Vireo olivaceus (L.) V.
149 Setophaga picta (Sw.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus (Linn.)
204 Pipilo erythrophthalmus (L.) V.
216 Pyrgita ludoviciana (Gm.) Bp.
242 Cyanospiza cyanea (L.) Bd.
253 Hylocichla mustelina (Gm.) Bp.
255 Turdus migratorius L. Cab.
271 Chaetura pelagica (L.) Steph.
275 Trochilus colubris L.
286 Ceryle alcyon (L.) Bp.

178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus (Linn.)
204 Pipilo erythrophthalmus (L.) V.
216 Pyrgita ludoviciana (Gm.) Bp.
228 Coccothraustes vespertinus Cass.
242 Cyanospiza cyanea (L.) Bd.
255 Turdus migratorius L. Cab.
256 Empidonax acadicus (Gm.) Bd.
265 Ammodramus passerinus (Wils.) Sclat.
271 Chaetura pelagica (L.) Steph.
290 Coccyzus erythrophthalmus (Wils.) Bd.
299 Ardea herodias L.

June 22.

1 Turdus migratorius L.
3 Hyndus rufivirgatus Gm.
7 Mimus carolinensis (L.) Sd.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
49 Strix cinerea V.
71 Hylocichla aedon (Wils.) Cab.
93 Dendroica aestiva (L.) Bp.
93 Sylvicola nov[illegible] (Gm.) [illegible]
100 Dolichonyx oryzivorus (L.) Bd.
104 Melospiza melodia (Wils.) Bd.
111 Richmondena cardinalis (L.) Bon.
119 Ampelis cedrorum (Vieill.) Bd.
122 Vireo olivaceus (L.) V.
149 Setophaga picta (Sw.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus (Linn.)
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
212 Ammodramus henslowi (Aud.) V.
216 Pyrgita ludoviciana (Gm.) Bp.

[illegible]

Jahrg. 27.

1	Hordeum vulgare L.
3	Hordeum nudidulum Hsm.
9	Alsinum caroliniense (L.) Fb.
10	Poa pachynicha angust. (Wats.) Gat.
16	Stellaria stalis (L.) Waldemaria.
49	Troglodytes aedon V.
51	Dichromodytes palustris (Wils.) Gat.
92	Stenanthium angustifolium (L.) Hsm.
93	Stenanthium novebracense (Ell.) Mutt. ?
97	Dentaria bulbosa (L.) Cat.
100	Sisyrinchium viene (L.) Bd.
104	Delophaga ruticilla (L.) Hsm.
111	Fothergilla hamamelis Barton
119	Amphelis cedrorum (V.) Bd.
122	Vireo olivaceus (L.) V.
149	Chrysomitris tristis (L.) Fb.
169	Melospiza melodia (Wils.) Bd.
178	Spizella socialis (Wils.) Fb.
179	Spizella pusilla (Wils.) Fb.
(181)	Passer domesticus Linn.
199	Cyanospiza cyanea (L.) Bd.
204	Pipilo erythrophthalmus (L.) V.
212	Agelaeus phoeniceus (L.) V.
228	Quiscalus americanus Aud.
234	Dolichonyx oryzivorus (L.) Hsm.
242	Spiza americana carolinensis (L.) Bd.
252	Chrysomitris tristis (Hm.) Bd.
265	Ammodramus nelsoni (Wils.) Fb.
271	Chaetura pelagica (L.) Steph.
275	Trochilus colubris L.
290	Coccyzus erythrophthalmus (Wils.) Bd.
299	Bubo virginianus Gm.
312	Colaptes auratus (L.) Hsm.

Jahrg. 27.

1	Hordeum vulgare L.
3	Hordeum nudidulum Hsm.
9	Alsinum caroliniense (L.) Fb.
10	Poa pachynicha angust. (Wats.) Gat.
16	Stellaria stalis (L.) Waldemaria.
49	Troglodytes aedon V.
51	Dichromodytes palustris (Wils.) Gat.
92	Stenanthium angustifolium (L.) Hsm.
93	Stenanthium novebracense (Ell.) Mutt. ?
97	Dentaria bulbosa (L.) Cat.
100	Sisyrinchium viene (L.) Bd.
104	Delophaga ruticilla (L.) Hsm.
111	Fothergilla hamamelis Barton
119	Amphelis cedrorum (V.) Bd.
122	Vireo olivaceus (L.) V.
149	Chrysomitris tristis (L.) Fb.
169	Melospiza melodia (Wils.) Bd.
178	Spizella socialis (Wils.) Fb.
179	Spizella pusilla (Wils.) Fb.
(181)	Passer domesticus Linn.
199	Cyanospiza cyanea (L.) Bd.
204	Pipilo erythrophthalmus (L.) V.
212	Agelaeus phoeniceus (L.) V.
228	Quiscalus americanus Aud.
234	Dolichonyx oryzivorus (L.) Hsm.
242	Spiza americana carolinensis (L.) Bd.
252	Chrysomitris tristis (Hm.) Bd.
265	Ammodramus nelsoni (Wils.) Fb.
271	Chaetura pelagica (L.) Steph.
275	Trochilus colubris L.
290	Coccyzus erythrophthalmus (Wils.) Bd.
299	Bubo virginianus Gm.
312	Colaptes auratus (L.) Hsm.

June 25.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
16 Sialia sialis (L.) Haldeman.
17 Mniotilta varia (L.) V.
70 Dendroeca aestiva (Gm.) Bd.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton
117 Ampelis cedorum (V.) Bd.
123 Vireo olivaceous (L.) V.
126 Vireo flavifrons V.
171 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 Spizella pusilla (Wils.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
210 Icterus baltimore (L.) Dandin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
243 Tyrannus carolinensis (L.) Bd.
255 Contopus virens (L.) Cab.
271 Chaetura pelasgia (L.) Steph.
286 Ceryle alcyon (L.) Boie
290 Coccyzus erythrophthalmus (Wils.) Bd.

June 26.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Mimus carolinensis (L.) Gr.
16 Sialia sialis (L.) Haldeman
49 Troglodytes aedon V.
51 Telmatodytes palustris (Wils.) Cab.

88 Dendroeca pennsylvanica (L.) Bd.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton
114 Petrochelidon lunifrons (Say) Cab.
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
126 Vireo flavifrons V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 Spizella pusilla (Wils.) Bp.
182 Zonotrichia albicollis Gm. Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
212 Agaeaeus phoeniceus (L.) V.
215 Icterus spurius (L.) Bp.
216 Icterus baltimore (L.) Bp.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
265 Antrostomus vociferus (Wilson) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
286 Ceryle alcyon (L.) Boie
312 Colaptes auratus (L.) Sw.
371 Zenaedura carolinensis (L.) Bp.
385 Bonasa umbellus (L.) Steph.
458 Nycharda pinea (L.) Steph. var. naevia (Bord.)
Also a Wren and a Warbler that I could not identify.

[illegible] 21

1 [illegible] L.
[illegible]
1 [illegible] (L.) [illegible]
[illegible] (L.) [illegible]
[illegible] V.
[illegible] (L.) Bd.
[illegible] (L.) [illegible]
[illegible] Bd.
[illegible] (L.) R.
[illegible] (Shaw) [illegible]
[illegible] (L.) [illegible]
[illegible] (Vi.) Bd.
[illegible] (Vi.) Bp.
[illegible] (Vi.) Bp.
[illegible] Lorin.
[illegible] (L.) V.
[illegible] (L.) V.
[illegible] (L.) Gundin.
[illegible] canus Aud.
[illegible] (L.) Bd.
[illegible] (Shaw) Bd.
[illegible] (L.) Cab.
[illegible] (Vieill.) Bp.
[illegible] (L.) Stephens.
[illegible] (L.) Bei.
[illegible] (L.) Sw.
[illegible] L.

June 28.

1 [illegible] L.
3 [illegible] Shaw.
1 [illegible] (L.) ~~Cab.~~ Gr.
10 [illegible] (L.) Cab.
[illegible] (L.) [illegible].

[illegible]
[illegible] (L.) Bd.
111 [illegible] Bd.
117 [illegible] (Vi.) Bd.
123 [illegible] (L.) V.
[illegible] (L.) [illegible]
[illegible] (Vi.) [illegible]
[illegible] (Vi.) [illegible]
[illegible] (Vi.) [illegible]
(1[illegible]) [illegible]
[illegible] (L.) Bd.
204 [illegible] (L.) V.
215 [illegible] (L.) Bp.
216 [illegible] (L.) [illegible]
220 [illegible] Aud.
242 [illegible] (L.) Bd.
252 [illegible] (Shaw) Bd.
255 [illegible] (L.) Cab.
256 [illegible] (Shaw) Bd.
271 [illegible] (L.) Stephens.
275 [illegible] L.
286 [illegible] (L.) Bei.
312 [illegible] (L.) Sw.
[illegible] (L.) [illegible]
449 [illegible] L.

June 27.

1 [illegible] L.
3 [illegible] Shaw.
9 [illegible] (L.) [illegible]
16 [illegible] (L.) Haldeman.
49 [illegible] V.
100 [illegible] (L.) Bd.
104 [illegible] (L.) Sw.
111 [illegible] Baden.
119 [illegible] (V.) Bd.

motacilla

Genus 30.

motacilla

July 5

[illegible]
[illegible]
[illegible]
15 [illegible]
[illegible]
[illegible]
[illegible] (Vi.) Bd.
[illegible] (Vi.) Bd.
[illegible] Passer domesticus [illegible]
[illegible] Cyanospiza cyanea (S.) Bd.
[illegible] Pitilo erythrophthalmus (S.) V.
[illegible] Corvus americanus Aud.
[illegible] Bayornis [illegible] (Bp.) Bd.
[illegible] Coptotrus [illegible] (S.) Cat.
[illegible] Antrostomus vociferus (Vi.) Bp.
[illegible] Chaetura pelasgia (S.) [illegible]
[illegible] Ceryle alcyon (S.) Bd.
[illegible] [illegible] S.
[illegible] Colaptes auratus (S.) Sw.
[illegible] Ardea [illegible] S.

July 13.

1 Turdus migratorius S.
3 Turdus [illegible] S.
7 [illegible] (S.) Sw.
10 [illegible] (S.) Cat.
16 Sialia [illegible] (S.) Haldeman
41 [illegible] V.
12 [illegible] (S.) Sw.
13 [illegible] motacilla (V.) Cones [illegible] ?
100 [illegible] (S.) Bd.
104 [illegible] (S.) Sw.
111 [illegible] horreorum Burton
119 Ampelis cedorum (V.) Bd.
122 [illegible] (S.) V.
149 [illegible] (S.) Bp.

[illegible]
[illegible] (Vi.) Bd.
[illegible] (Vi.) Bd.
[illegible]
[illegible] Cyanospiza cyanea (S.) Bd.
[illegible]
216 [illegible]
216 [illegible]
238 [illegible]
242 [illegible]
252 Bayornis [illegible] (Bp.) Bd.
255 [illegible]
271 Chaetura [illegible] (S.) [illegible]
286 Ceryle alcyon (S.) Bd.
312 Colaptes auratus (S.) Sw.
376 [illegible] (S.) Sw.
457 Ardea [illegible] S.

July 14.

1 Turdus migratorius S.
3 Turdus [illegible] S.
9 [illegible] (S.) Sw.
16 [illegible] (S.) [illegible]
92 [illegible]
93 [illegible] motacilla (V.) Cones ?
100 [illegible] (S.) Bd.
[illegible] [illegible] (S.) [illegible]
104 Setophaga [illegible] (S.) Sw.
112 [illegible] (Vi.) [illegible]
111 [illegible]
114 [illegible] (S.) Cat.
119 [illegible] cedorum (V.) Bd.
122 [illegible] (S.) V.
149 [illegible] (S.) Bp.
178 [illegible] (Vi.) Bp.
179 [illegible] (Vi.) Bp.

(July) 51.

5 Bufo [illegible] L.
1 Pelidna [illegible] L.
10 Tringa [illegible]
14 Vidua [illegible] Gould.
31 Parus [illegible] L.
38 Motacilla [illegible] Bon.
41 Troglodytes [illegible] V.
72 Alcedo [illegible] L. Sw.
93 Numenius [illegible] (Gmel.) Mull. ?
104 Selasphorus [illegible] Less.
111 Tetrao [illegible] Barton.
114 Anser [illegible] (W. Br.
122 Urao [illegible] L. O.
149 Charadrius [illegible] L. Bp.
168 Oreglossa [illegible] (Wils.) Bp.
169 Orchesticus [illegible] (Wils.) Bp.
178 Hirundo [illegible] (Wils.) Bp.
179 Hirundo [illegible] (Wils.) Bp.
199 Cyanospiza [illegible] L. Bp.
204 Ictinia [illegible] L. O.
215 Ictinus [illegible] L. Bp.
216 Ictinus [illegible] L. O. Wagler.
228 Corvus [illegible] Ind.
242 Syrnium [illegible] L. Bp.
252 Nyctea [illegible] (Gmel.) Bp.
255 Strix [illegible] L. Cuv.
265 Otus [illegible] (Wils.) Bp.
271 Chaetura [illegible] L. Steph.
286 Tringa [illegible] L. Vieil.
299 Picus [illegible] L.
312 Colaptes [illegible] L. Swains.
385 Dendrocopus [illegible] L. Steph.
457 Ardea [illegible] L.

(July) 51

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Numenius [illegible] L. Ste.
10 Hemiprocne [illegible] L. Cab.
16 Alcedo [illegible] L. Haldeman.

38 [illegible]
72 [illegible]
93 [illegible]
97 [illegible]
111 [illegible]
112 [illegible]
114 [illegible]
122 [illegible]
149 [illegible]
168 [illegible]
169 [illegible]
178 [illegible]
179 [illegible]
199 [illegible]
204 [illegible]
215 [illegible]
216 [illegible]
228 [illegible]
242 [illegible]
252 [illegible]
255 [illegible]
265 [illegible]
271 [illegible]
286 [illegible]
299 [illegible]
312 [illegible]
385 [illegible]
457 [illegible]

August 1.

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
9 Numenius [illegible] L. Ste.
10 Hemiprocne [illegible] L. Cab.
16 Alcedo [illegible] L. Haldeman.
72 Alcedo [illegible] L. Sw.

[illegible] L. Bd.
Fulmarus hyperboreus Baird
Stercorarius cepphus Bp.
Pelecanus [illegible]
Sterna elegans Gamb.
Sterna caspia Pall. Bp.
Hydrochelidon fissipes Gray
Rhynchops nigra L.
Uria troile L. Bp.
Alca torda L.
Mergulus alle L.
Fratercula arctica Steph.
Phalacrocorax carbo L. Bp.
Phalacrocorax graculus Gm.
Anas boschas L.
Anas strepera L.
Anas penelope L.
Anas acuta L.
Anas crecca L.
Anas clypeata L.
Fuligula ferina Steph.
Fuligula rufina Pall.
Fuligula nyroca Güld.
Fuligula marila L.
Fuligula cristata Leach
Fuligula fusca L.
Somateria mollissima L.
Somateria spectabilis L.
Oidemia nigra L.
Oidemia fusca L.
Mergus merganser L.
Mergus serrator L.
Mergus albellus L.
Colymbus arcticus L.
Colymbus septentrionalis L.
Podiceps cristatus Lath.
Podiceps rubricollis Lath.
Podiceps auritus Lath.
Podiceps nigricollis Brehm
Alca impennis L.

Ord. 2.

1 Turdus migratorius L.
9 Merula carolinensis Briss.
37 Sitta canadensis L.
104 Motacilla rubicilla L. Bp.
107 Ruticilla cairii Gould
119 Ampelis cedrorum Vieill.
122 Vireo olivaceus L.
149 Dendroica striata Forst.
178 Fringilla socialis Wils.
216 Icterus baltimore Daud.
228 Turdus migratorius Gmel.
255 Tanagra rubra L. Gm.
267 Chordeiles virginianus Bp.
271 Chaetura pelasgia Steph.
286 Ceryle alcyon Boie.
291 Colaptes auratus Swains.
298 Picus villosus L.
299 Picus pubescens L.
312 Colaptes auratus Swains.

[illegible]
[illegible] Bp.
[illegible] L.
[illegible] Bp.

Ord. 3.

1 Turdus migratorius L.
16 Regulus [illegible]
39 Sitta canadensis L.
70 Dendroica aestiva Gm. Bd.
119 Ampelis cedrorum Vieill.
149 Dendroica striata Forst.
169 Vireo [illegible]
178 Fringilla socialis Wils.
210 Dolichonyx oryzivorus Swains.
216 Icterus baltimore Daud.
255 Tanagra rubra L.
286 Ceryle alcyon Boie.
299 Picus pubescens L.
312 Colaptes auratus Swains.
338 Podilymbus podiceps Gmel. Bp.
385 Bonasa umbellus Steph.

Ord. 4.

1 Turdus migratorius L.
9 Merula carolinensis Briss.
10 Harporhynchus rufus Cab.
16 Regulus [illegible]
38 Sitta carolinensis Gm.
49 Troglodytes aedon Vieill.
57 Mimotilta minor Cab.
60 Helminthophaga [illegible]
71 Dendroica virens Gmel. Bd.
92 Seiurus aurocapillus Sw.
93 Seiurus noveboracensis Gmel. Nutt.?
101 Geothlypis trichas Gmel. Sund.
111 Helminthophaga [illegible]

Fig. 5.

1 Fredius migratorius L.
2 Turdus rufiventris Vieill.
10 Hapalopsittaca amyae Salvad.
16 Sicalis flaveola L. Sclater.
49 Myiodynastes maculatus L.
92 Pheucticus aureoventris (Vieill.) Bp.
93 Pheucticus melanocephalus (Vieill.) Bp.
111 Tanagra [illegible] Bonap.

Fig. 6.

1 Spinus magellanicus L.
3 Sporophila caerulescens Vieill.
49 Myiodynastes maculatus L.
92 Pheucticus aureoventris (Vieill.) Bp.
93 Pheucticus melanocephalus (Vieill.) Bp.
100 Sicalis flaveola (L.) Bp.
101 Myiodynastes mitralis Sclater.
111 Tanagra [illegible] Bonap.

[illegible]

Oct. 1. 1874

[illegible]

Cat's Nos.

1 [illegible] L.
4 " Gallinula Cab.
6 Grallaria Gralla (L.) Vieillot.
22 Regulus sabrata Licht.
31 Palmus atricapillus L.
168 Melospiza fasciata (Gm.) Bd.
169 " " fasciata (Gm.) Bd.
174 Junco hyemalis (L.) Bel.
177 Spizella monticola (Gm.) Bd.
178 " " socialis (Wilson) Bp.
179 " " pusilla (Wils.) Bp.
(187) Passer domesticus Flem.
188 Passerella iliaca (Merrem) Sw.
161 Poocetes gramineus (Gm.) Bd.
224 Corvus americanus Aud.
252 Sayornis fuscus (Sw.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
960 ~~Dendroica striata~~ Sp. Anthus ludovicianus (Gm.) Bp.
436 Fringoides macularius (L.) Sw.

1 The Ortyx - [illegible] ~~have~~ [illegible] ~~nine~~ [illegible] ~~eggs~~ [illegible] ~~nine~~, but their ~~accustomed~~ note, the ~~carrying~~ - (Answer.)?

2 The Grass finches have [illegible] ~~seven~~ days. They frequent weedy fields, occasionally alighting on the neighboring trees and singing a pleasing little song.

Specimens Numbered

562. Tringoides macularius (L.) Sw. ♀ Highland Falls 7 13/16 13 13/16 4 5/16 2 3/16. Length to end of middle toe 8 13/16 Bill 1 5/16. Bare part of tibiae & tarsi 1 5/16 Middle toe & claw 13/16

565 Junco hyemalis (L.) Scl. ♂ H. F. N. Y. 6 7/16 9 12/16 3 12/16 2 7/16. Bill 7/16. Tarsi 12/16. Middle toe & claw 11/16 Head & brown. Bill [illegible] ~~color~~. Legs & feet very light brown

April 27, 1875

1 Turdus migratorius L.
4 " pallasi Cab.
16 Sialia sialis (L.) Haldeman
22 Regulus satrapa Lichtl.
31 Parus atricapillus L.
38 Sitta carolinensis Gm.
161 Poecetes gramineus (Gm.) Bd.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Sd.
177 Spizella monticola (Gm.) Bd.
178 " socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Linn.
188 Passerella iliaca (Merrem) Sw.
221 Scolecophagus ferrugineus (Gm.) Sw.
228 Corvus americanus Aud.
252 Sayornis fuscus (Gm.) Bd.
286 Ceryle alcyon (L.) Boie
360 Pandion halliaetus L. Savigny
489 Anas obscura Gm.
495 Querquedula carolinensis (Gm.).
501? Fuligula affinis Eyton.
547 Larus argentatus Brunn.
605 Colymbus torquatus Brunn.
6 Podiceps cornutus. - Strebe.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.

S Kins
No. 564 Poecetes gramineus (Gm.) Bd. ♂ H. Falls N.Y.
6 10 2/16 3 1/16 2 6/16 Iris brown. H Falls
565 Poecetes gramineus (Gm.) Bd ♀ H Falls
5 15/16 9 13/16 3 1/16 2 6/16 1
576 Regulus satrapa Lichtl ♂ H Falls.
4, 6 15/16. Iris brown.

I saw, today a fine specimen of the [illegible] Vaudoyer in the possession of Mr. [illegible] Ward of Cornwall, on the Hudson River. It had been shot a short time since [illegible] of his residence by the edge of the River.

April 28, 1875.

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
169 Melospiza melodia (Wils.) Bd.
178 Spizella pusilla (Wils.) Bp.
179 " socialis (Wils.) Bp.
(187) Passer domesticus Linn.
188 Passerella iliaca (Merrem) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.

April 29, 1875

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Linn.
211 Molothrus ater (Gm.) Sw. first seen
228 Corvus americanus Aud.
252 Sayornis fuscus (Gm.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.

S Kins
Labels of S Kins
No. 568 Poecetes gramineus (Gm.) Bd ♂ April 27 H. Falls
6 5/16 10 14/16 3 3/16 2 8/16 Bill 5 1/2/16. Tarsi 12/16. over

[illegible] 12/6 Dark brown
Bill with maxilla black & mandible flesh-color
Legs & feet brownish flesh-color
561 Poecile? [illegible] (Stn.) Bd 9
6 3/16 10 5/16 Other [illegible] like the [illegible]
570 Poecile [illegible] (Stn.) Bd 3
6 4/16 10 5/16 Red like 568.
571 Poecile [illegible] (Stn.) Bd. 9
6 4/16 10 7/16 Red like 568.
Sept 30 No 1 Corvus americanus Aud
[illegible] - Height 20 ft.

April 30, 1875.

1 Turdus migratorius L.
4 " ballaei Cab.
10 Hemiphlyctonus rufus (L.) Cab. (First seen)
16 Dialia sialis (L.) Haldeman.
21 Regulus calendula (L.) Licht.
22 " [illegible] Licht.
31 Parus atricapillus L.
38 Sitta carolinensis Stn.
42 Certhia familiaris L.
50 Anorthura hyemalis (Vieil.) Cab.
57 Menotilta varia (L.) V. (First seen)
78 Dendroica coronata (L.) Gr. (First seen)
90 " palmarum (Stn.) Bd. (First seen)
94 Seiurus ludovicianus (L.) Bp. (First seen)
111 Herinodo horreorum Barton (First seen)
112 Tachycineta bicolor (V.) Cab. (First seen)
114 Petrochelidon lunifrons (Say.) Cab. (First seen)
139 Carpodacus purpureus (Stn.) Gr.
161 Poecetes gramineus (Stn.) Bd.
168 Melospiza palustris (Wils.) Bd.
169 " melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.

182 Zonotrichia albicollis (Gm.) Bp. (First seen)
(187) Passerella [illegible] Lawr
204 Pipilo erythrophthalmus (L.) V. (First seen)
221 Melocophagus ferrugineus (Stn.) Gr.
228 Corvus americanus Aud
234 Cyanurus cristatus (L.) Gr.
252 Garrulus [illegible] (Stn.) Bd.
286 Ceryle alcyon (L.) Boie
299 Picus pubescens L.
312 Colaptes auratus (L.) Gr.
351 Buteo borealis (Gm.) V.
360 Pandion haliaetus (L.) Savigny
385 Bonasa umbellus
457 Ardea virescens L. (First seen)
371 Fenacodus carolinensis (L.) Bp.
6 Grebe

Of the list of birds seen to-day - Nos 10, 57, 94, 111, 112, 114, 182, 204, & 457 were seen for the first time this spring.

Of the Turdus ballaei Cab. that have been very abundant for some time past, I saw but one individual to-day. The ranks of the Junco hyemalis (L.) Bd. are also thinning rapidly.

While walking through the wood with my gun, this morning, a large Hawk, Buteo borealis (Gm.) V., flew from the tree it was perching in, bearing in its claws a large piece of meat. The bird flew to a distance of about a quarter of a mile when it reached its nest. I waited [illegible] before I could reach a place from which I could shoot it, it again flew, bearing with its prey with it. I fired, however, and my fine shot made the feathers fly from the Hawk, and induced him to

1st fall, two juv. & minor plumage & 1 a good sized Ruffed Grouse (Bonasa umbellus). The Goshawks had all been picked off its body, which was nearly eaten. The Hawks seemed to regret having let fall this bird, for in the afternoon in vicinity same birds, but could not be approached within gun-shot

The Yellowlegs (Totanus) were abundant about the shores of a clear pond. Only noticed them on my way to & from the woods.

Skins

№ 572 Poecetes gramineus Gm. Bd ♂ 4/27/75
6 4/16 10 9/16 Highland Falls Orange Co N.Y.

580 Poecetes gramineus (Gm.) Bd. ♀ 4/27/75
6 10 4/16 H. F. N. York.

573 Podiceps cornutus. Horned Grebe ♀ 4/29/75
13 9/16 24 5 3/16 Bill 1 3/16 Bare part of tibia 2 3/16 Tarsi 2 3/16 Anterior toe 1 7/16.
Bill black tipped slightly on maxilla with horn color: mandible fleshy at base
Iris bright red with a very narrow rim around pupil of yellow.
Legs and feet above blackish: below yellowish flesh-color. Cornwall Hudson R. N.Y.

574 Seiurus Ludovicianus (L.) Bp. ♂ 4/30/75
6 3/16 10 9/16 3 4/16 2 7/16. H. Falls Orange Co N.Y.
Bill 9/16 Tarsi 1 4/16. Middle toe and claw 11 3/16
Iris brown. Bill black. Legs & feet flesh-color
Was singing very loud and sweetly.

575 Mniotilta varia (L.) V. ♂ 4/30/75.
H. Falls N.Y. Bill Legs and feet black. Iris brown
5 4/16 ♀ 5 5/16 2 11/16 2 Bill above 8/16
Tarsi 1 9/16 Middle toe and its claw 12 1/2 /16

May 1, 1875.

1 Turdus migratorius L.
16 Sialia sialis (L.) Lawrence
21 Regulus calendula Licht.
31 Parus atricapillus L.
38 Sitta canadensis Gm.
78 Dendroica coronata (L.) Sw.
111 Hirundo horreorum Barton
161 Poecetes gramineus (Gm.) Bd.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 " pallida (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
187 Passer domesticus Linn.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Bombycilla garrula (Gm.) Bd.
[illegible] Picus pubescens L.
313 Colaptes auratus (L.) Sw.

Skins

№ 576 Dendroica coronata (L.) Gr. ♂ 4/30/75 H.F.
5 11/16 9/16 2 13/16 2 3/16 Bill 5/16 Tarsi 1/16 Middle toe & claw 10/16. Its note was a single chuck loudly repeated. Iris dark brown. Legs and feet black.

581 Regulus calendula (L.) Licht. ♂ 4/30/75. H.F.
Legs and feet blackish. Bill blackish. Iris dark brown 4 8/16 7 4/16

577 Regulus calendula (L.) Licht. ♂ 4/30/75 H.F.
4 6/16 7 2/16

578 Molothrus ater (Gm.) Gr. ♂ 4/29/75 H Falls
8 4/16 13 12/16 4 6/16 3 Tarsi 15/16 Middle toe & claw 15/16
Iris brown. Legs and feet and bill black.

579 Pipilo erythrophthalmus (L.) V. ♂ 4/30/75 H.F.
8 8/16 11 2/16 3 4/16 3 1/16 Tarsi 1. Middle toe & claw 1
Bill 8 1/2 /16 Bill black. Iris dark red. Legs & feet brown

May 2, 1875.

1 Turdus migratorius L.
10 Harporhynchus rufus (L.) Cab
16 Sialia sialis (L.) Baldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
42 Ictiria familiaris L.
78 Dendroica coronata (L.) Sp.
111 Hirundo horreorum Barton
167 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Sel.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
212 Agelaius phoeniceus (L.) V.
228 Corvus americanus Aud.
252 Hagonis fuscus (Gm.) Bd.
279 Picus pubescens L.
312 Colaptes auratus (L.) Steph.
352 Bubo virginianus Gm. Jard.
436 Fringoides maculariius (L.) Sr.

May 3, 1875.

1 Turdus migratorius L.
16 Sialia sialis (L.) Baldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
78 Dendroica coronata (L.) Sr.
90 " palmarum (Gm.) Bd.
111 Hirundo horreorum Barton
112 Tachycineta bicolor (V.) Cas.
114 Petrochelidon lunifrons (Say) Cab.
161 Poocetes gramineus (Gm.) Bd.
169 Melospiza melodia Wils.) Bd.
174 Junco hyemalis (L.) Sel.
178 Spizella socialis (Wils.) Bp.

179 Spizella pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
228 Corvus americanus Aud.
252 Hagonis fuscus (Gm.) Bd.
271 Ulaeotis Julasgia (L.) Steph. (Finet Sem.)
299 Picus pubescens L.
312 Colaptes auratus (L.) Stv.
338 Actiphilus fuscus (Gm.) Bp.
339 " cooperi Bp.
355 Bubo virginianus (Wils.) Bp.
457 Ardea virescens L.

No. 271 was seen first today.
Also procured a small bird (Vireo) the name of which is unknown to me. (Yellow throated Vireo Creeping Warbler)

May 4, 1875. 76° F. Ny.

1 Turdus migratorius L.
16 Sialia sialis (L.) Baldeman
21 Regulus calendula (L.) Licht.
22 " cabrapia Licht.
31 Parus atricapillus L.
78 Dendroica coronata (L.) Sr.
94 Seiurus ludovicianus (L.) Bp.
111 Hirundo horreorum Barton
112 Tachycineta bicolor (V.) Cas.
114 Petrochelidon lunifrons (Say) Cab.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Sel.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sr.
252 Hagonis fuscus (Gm.) Bd.

297 ♂ Parus fulvescens L.
312 Coriphlex auratus (L) ♂ Swr
355 Rallus virginianus Wills) Bp.
360 Pandion haliaetus (L) Sang'y
385 Bonasa umbellus (L) Steph. ?
457 ♂ Ardea virescens L.
♂ I saw two of the Dendroica ludovicianus pursuing each other over a pond. They uttered their loud clear notes as clearly in mid-air as when perched.

(Shot omitted) 2 No. 582 Highland Falls N.Y.
May 3. Scolecophagus ferrugineus ♂ April 30/75.
9 13 8/16 4 3/16 3 5/16 Iris yellow. Bill & feet black.
No. 583 Coriphlex auratus (L) Swr. ♂ 4/30/75.
12 7/16 20 8/16 6 3/16 4 1/16. Bill 1/16. Tarsi 12 1/2/16
Outer toe, to front, and nail 1 6 1/2/16
Iris brown. Bill black. Legs and feet greenish.
584 Spizella socialis (Wils) Bp. ♂ 4/30/75
5 7/16 8 1/2/16 Iris brown. Bill dusky. Legs & feet brown.
585 Spizella socialis (Wils) Bp. ♀ 4/30/75.
5 3/16 8 7/16 2 1/16 2 4/16 Iris brown. Legs & feet brown
Bill dusky.
586 Hirundo horreorum Barton ♂ 5/3/75.
6 14/16 13 4 11/16 3 1/16
587 Dendroica coronata (L) Sw. ♂ 5/3/75.
5 9/16 9 3/16 2 7/16 2 3/16
588 Dendroica coronata (L) Sw. ♂ 5/3/75
5 5/16 8 13/16
589 (?) Dendroica ? Warbler ♀ 5/3/75
5 4/16 8 9/16 2 7/16 2 Iris brown. Bill black.
Legs and feet brown. Was sitting motionless
on a limb when shot.
590 Dendroica palmarum (Gm) Bd ♂ 5/3/75
5 4/16 8 2/16 2 8/16 2 4/16 Tarsi 13/16
Bill, legs and feet blackish - Iris brown
591 Dendroica virens (L) Cs. ♂ 5/3/75
5 17/16 13 4 13/16 2 5/16 Iris brown

May 4 592 Hirundo horreorum Barton ♂ 5/4/75
7 7/16 13 4 14/16 3 12/16 Bell's Pond.
593 Chaetura pelasgia (L) Steph. ♂ 5/3/75
5 4/16 12 9/16 5 1 7/16 Dull brown. Bell's Pond.
594 Ochthodromus semipalmatus (Say) Coub. ♂ 5/3/75
5 12/16 12 11/16 4 4/16 2 6/16 Bell's Pond.
595 Tachycineta bicolor (V.) Cs. ♂ 5/3/75
5 14/16 12 14/16 4 10/16 2 5/16 Bell's Pond.
596 Tachycineta bicolor (V.) Cs. ♂ 5/3/75
5 14/16 12 10/16 Bell's Pond.
606 Tachycineta bicolor (V.) Cs. ♂ 5/3/75
5 9/16 12 3/16 Bell's Pond.
597 Dendroica coronata (L) Sw. ♂ 5/3/75
5 9/16 8 13/16

May 5.

1 Turdus migratorius L.
16 Sialia sialis (L) Haldeman
21 Regulus calendula (L) Licht.
31 Parus atricapillus L.
57 Mniotilta varia (L) V.
78 Dendroica coronata (L) Sw.
90 " palmarum (Gm) Bd.
94 Seiurus ludovicianus (L) Bp.
111 Hirundo horreorum Barton.
159 Passerculus savanna (Wils) Bp.
168 Melospiza palustris (Wils) Bd.
169 " melodia (Wils) Bd.
174 Junco hyemalis (L) Sch.
177 Spizella monticola (Gm) Bd.
178 " socialis (Wils) Bp.
179 " pusilla (Wils) Bp.
182 Zonotrichia albicollis (Gm) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L) V.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L) Sw.

252 Sayornis fuscus (Gm.) Bd.
271 Chaetura pelasgia (L.) Steph.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Bonasa umbellus (L.) Steph.
436 Tringoides macularius (L.) Gr.
The Passerculus Savanna (Wils.) Bp., were three in number, feeding beside a salt marsh creek. They made a whirring noise in flight; were not shay and made no attempt at concealment. I shot all three.
Saw a single bird of the Spizella monticola; have seen none for several days past

S'kins No. 598 Tachycineta bicolor (V.) Cs. ♂ 5/4/75 H.F.
Iris brown. Bill black. Feet brown.
6 2/16 12 10/16 4 9½/16 2 4/16
599 Tachycineta bicolor (V.) Cs. ♀ 5/4/75
5 8/16 12 5/16 4 7½/16 2 4/16
600 Hirundo horreorum Barton ♂ 5/4/75
7 12 12/16 4 12/16 3 6/16
601 Hirundo horreorum Barton ♀ 5/4/75
6 8/16 12 10/16 4 10½/16 3 2/16
602 Zonotrichia albicollis (Gm.) Bp. ♂ 5/4/75
6 8/16 9 6/16 2 14/16 2 12/16
Iris brown; Legs and feet brown. Bill with Maxilla dusky - mandible greenish.
603 Zonotrichia albicollis (Gm.) Bp ♂ 5/4/75
7 9 12/16 3 2 15/16
604 Zonotrichia albicollis (Gm.) Bp. ♂ 5/4/75
6 8/16 9 7/16 2 13/16 2 13/16
605 Zonotrichia albicollis (Gm.) Bp. ♂ 5/4/75
6 11/16 9 4/16 2 13/16 2 14/16

May 6

1 Turdus migratorius L.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Lecht.
31 Parus atricapillus L.
49 Troglodytes aedon V. (First Seen)
57 Mniotilta varia (L.) V.
78 Dendroica coronata (L.) Gr.
90 " palmarum (Gm.) Bd.
94 Seiurus ludovicianus (V.) Bp.
111 Hirundo horreorum Barton
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
271 Chaetura pelasgia (L.) Steph.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
351 Buteo borealis (Gm.) V.
385 Bonasa umbellus (L.) Steph.
457 Ardea virescens L.
Troglodytes aedon; first seen to day.

S'kins High 7 and Falls.
No. 607 Hirundo horreorum Barton ♂ 5/4/75
608 " " " ♂ 5/4/75
609 Tachycineta bicolor (V.) Cs. ♂ 5/4/75
610 " " " " ♂ 5/4/75
611 Pipilo erythrophthalmus (L.) V. ♀ 5/5/75
8 3/16 10 9/16 3 4/16 3 9/16 Tarsi 1 1/16 Middle toe & clw 1
Iris red. Bill blackish. Legs and feet brown

No. 612 Dendroica palmarum (Gm.) Bd. ♀ 5/5/75
613 Passerculus savanna (Wils.) Bp. ♂ 5/5/75
5 10/16 9 6/16 2 2/16 2 1/16
614 Passerculus savanna (Gm.) Bd ♀ 5/5/75
5 6/16 8 11/16 2 10/16 1 15/16
615 Passerculus savanna (Gm.) Bd ♀ 5/5/75
5 6/16 8 9/16 2 8/16 1 14/16
616 Troglodytes aedon V. ♂ 5/6/75
4 11/16 6 8/16 1 15/16 1 10/16 Tarsi 9/16 Middle toe & claw 9/16
Bill 7 1/2/16 Legs and feet flesh-color. Iris brown
Bill black above; mandible flesh-color.

May 7.

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
76 Dendroica caerulescens (L.) Bd. (First seen)
78 " coronata (L.) Gr.
111 Hirundo horreorum Barton
112 Tachycineta bicolor (V.) Cs.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
271 Chaetura pelasgia (L.) Steph.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
351 Buteo borealis (Gm.) V.
385 Bonasa umbellus (L.) Steph.

The Dendroica caerulescens was the first seen this spring. It was in a very secluded place. When I first saw it, I stood still, when it approached in a very familiar way to within a couple of feet of me, when it ~~again~~ became ~~acquainted~~ frightened at something and flew a long way off

May 8.

1 Turdus migratorius L.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
78 Dendroica coronata (L.) Gr.
90 " palmarum (Gm.) Bd.
94 Seiurus ludovicianus (V.) Bp.
111 Hirundo horreorum Barton.
112 Tachycineta bicolor (V.) Cs.
114 Petrochelidon lunifrons (Say.) Cab.
139 Carpodacus purpureus (Gm.) Gr.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 " (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
228 Corvus americanus Aud.
252 Sayornis fuscus (Gm.) Bd.
271 Chaetura pelasgia (L.) Steph.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
339 Accipiter cooperi Bp.

360 Pandion haliaetus (L.) Savigny
370 Ectopistes migratorius (L.) Sw.
385 Botaurus mokokkus (L.) Steph.
457 Ardea virescens L.
547 Larus argentatus Brunn.
Shot a half albino specimen of the
L. socialis. Wils. Bp.

May 9.

1 Turdus migratorius L.
3 Mimus carolinensis (L.) Gr. (Seen by Mr. Osborn May 1.) (First seen)
16 Rallus virginianus L.
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
49 Troglodytes aedon V.
78 Dendroica coronata (L.) Gr.
100 Dendroica virens (L.) Bd. (Seen by Mr. Osborn May 1)
111 Hirundo horreorum Barton.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
215 Icterus spurius (L.) Bp (First seen)
216 " baltimore (L.) Dandin (First seen)
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd (First seen)
252 Sayornis fuscus (Gm.) Bd.
271 Chaetura pelasgica (L.) Steph.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.

Nos. 9, 100, 215, 216, 242. were seen first to day
Nos. 9, 100 have been seen some time ago
by Mr Osborn on the other side of the River

May 10

1 Turdus migratorius L.
3 Turdus mustelinus Gm. (First seen)
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Rallus virginianus L.
31 Parus atricapillus L.
49 Troglodytes aedon V.
78 Dendroica coronata (L.) Gr.
80 " blackburniae (Gm.) Bd. (First seen)
92 Seiurus aurocapillus (L.) Sw. (First seen)
97 Geothlypis trichas (L.) Cab. (First seen)
100 Dendroica virens (L.) Bd.
111 Hirundo horreorum Barton
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
215 Icterus spurius (L.) Bp.
216 " baltimore (L.) Dandin.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
258 Empidonax minimus Bd. (First seen)
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgica (L.) Steph.
286 Ceryle alcyon (L.) Boie
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
436 Tringoides macularius (L.) Gr.
Nos. 3, 80, 92, 97, & 258. first seen to day.
No Whippoorwills were seen since April 27 before
to-day (The April 26. date was probably a mistake?)
Skins No. ~~617~~ 617 Spizella socialis (Wils.) Bp. 2 Albino
5/8/75 Catharine Co. N.Y. 5 8/16 8 9/16 2 11/16 2 3/16

No. 618 Junco hyemalis (L.) Scl. ♂ 5/8/75 H.F.
619 Spizella pusilla (Wils.) Bp. ♂ 5/8/75 H.F.
5 12/16 8 3/16
620 Mniotilta varia (L.) V. ♂ 5/8/75 H.F.
5 8/16 8 14/16
621 Seiurus ludovicianus (V.) Bp. ♀ 5/8/75 H.F.
6 8/16 10 10/16 3 5/16 2 1/16
622 Dendroica palmarum (Gm.) Bd. ♂ 5/8/75 H.F.
623 Hirundo horreorum Barton. ♂ 5/8/75. H.F.
624 Tyrannus carolinensis (L.) Bd ♀ 5/10/75 H.F.
8 3/16 14 1/16 4 8/16 3 8/16
625 Seiurus aurocapillus (L.) Sw. ♂ 5/10/75 H.F.
626 Geothlypis trichas (L.) Cab. ♂ 5/10/75 H.F.
627 Geothlypis trichas (L.) Cab ♂ 5/10/75 H.F.
5 2/16 7 3/16 2 2/16 2 2/16

May 11

1 Turdus migratorius L.
3 " mustelinus Gm
6 " ~~fuscescens~~ swainsoni Steph. (First seen)
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
31 Parus atricapillus L.
49 Troglodytes aedon V.
67 Helminthophaga ruficapilla (Wils.) Bd (First seen)
71 Dendroica virens (Gm.) Bd. (First seen)
76 " caerulescens (L.) Bd. (~~First seen~~) p. 131.
78 " coronata (L.) Gr.
84 " maculosa (Gm.) Bd. (First seen)
92 Seiurus aurocapillus (L.) Sw.
94 " ludovicianus (V.) Bp.
97 Geothlypis trichas (L.) Cab. (~~First seen~~) p. 133.
100 Icteria virens (L.) Bd
101 Myiodioctes mitratus (Gm.) Bd (First seen)
104 Setophaga ruticilla (L.) Sw. (First seen)
111 Hirundo horreorum Barton

169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
206 Icterus baltimore (L.) Dandin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab. (First seen)
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L. (First seen)
286 Ceryle alcyon (L.) Boi
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
339 Accipiter cooperi, Bp.
385 Benasa umbellus (L.) Steph.
436 Tringoides macularius (L.) Gr.
~~457~~/457 Ardea virescens L.

Nos 6, 67, 71, ~~76~~, 84, ~~97~~, 101, 255, 275, newly arrived
The Turdus ~~fuscens~~ swainsoni, were two, and very wild. I procured one with some difficulty
They were the first I have seen alive.

Skins
628 Tyrannus carolinensis (L.) Bd. ♂ 5/10/75 H.F. alb.
629 Mimus carolinensis (L.) Gr. ♀ 5/10/75 H.F.
630 Icterus baltimore (L.) Dandin ♀ 5/11/75 H.F.
631 Icterus baltimore (L.) Dandin ♂ juv 5/11/75 H.F.
632 Icterus baltimore (L.) Dandin ♂ 5/11/75 H.F.
633 Pipilo erythrophthalmus (L.) V. ♂ 5/11/75 H.F.
634 Chaetura pelasgia (L.) Steph. ♂ 5/11/75 H.F.
635 Chaetura pelasgia (L.) Steph. ♀ 5/11/75 H.F.
636 Chaetura pelasgia (L.) Steph. ♂ 5/11/75 H.F.

No. 637 Dendroica maculosa (Gm.) Bd. ♂ 5/11/75 H.F.
5 1/16 7 12/16 2 8/16 2 3/16

638 Dendroica caerulescens (L.) Bd. ♂ 5/11/75 H.F.
5 2/16 7 13/16 2 8/16 2 1/16

639 Helminthophaga ruficapilla (Wils.) Bd. ♀ 5/11/75
4 5/16 7 1/16 2 3/16 1 11/16

640 Myiodioctes mitratus (Gm.) Aud. ♀ 5/11/75 H.F.
5 4/16 7 13/16 2 8/16 . 2.

May 12.

1 Turdus migratorius L.
4 " mustelinus Gm.
6 " ~~fuscescens~~ swainsoni Steph.
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
31 Parus atricapillus L.
49 Troglodytes aedon V.
58 Parula americana (L.) Bp. (First seen)
67 Helminthophaga ruficapilla (Wils.) Bd.
70 Dendroica aestiva (Gm.) Bd. (First seen)
71 " virens (Gm.) Bd.
78 " coronata (L.) Gr.
83 " pennsylvanica (L.) Bd. (First seen)
84 " maculosa (Gm.) Bd.
92 Sciurus aurocapillus (L.) Sw.
94 " ludovicianus (V.) Bp.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
102 " pusillus (Wils.) Bp. (First seen)
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton.
112 Tachycineta bicolor (V.) Cs.
119 Ampelis cedrum (V.) Bd.
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
97 Geothlypis trichas (L.) Cab.

168 Melospiza palustris (Wils.) Bd.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Gr.
216 Icterus baltimore (L.) Daudin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
256 Empidonax ~~acadicus~~ traillii (Gm.) Bd. (First seen)
258 " minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
312 Coloptes auratus (L.) Sw.
385 Bonasa umbellus (L.) Steph.
457 Ardea virescens L.

Nos. 58, 70, 83, 102, 256, first seen to day

1 I shot one specimen of Myiodioctes pusillus. It was in a low bush, being the first I have ever seen alive.

2 The C. tristis were seen for the first time since the cold weather.

3 I procured several M. mitratus one of which was singing a lively song in a tree-top when shot.

Skins

No. 641 Antrostomus vociferus (Wils.) Bp. ♀ 5/11/75 H.F.
9 9/16 18 9/16 6 3/16 4 9/16. Stomach distended with large beetles. Shot on the wing in the evening

642 Myiodioctes mitratus (Gm.) Aud. ♂ 5/12/75 H.F.
5 7/16 7 12/16 2 9/16 2 5/16. Iris brown

No. 643 Turdus ~~fuscescens~~ Swainsoni Steph. 9 5/11/75 H.F.
Tie brown 6 13/16 12 3 15/16 2 12/16 Tarsi 1 5 1/2/16

May 13.

1 Turdus migratorius (L.)
3 " mustelinus Gm.
6 " ~~fuscescens~~ Swainsoni Steph.
9 Mimus carolinensis (L.) Gr
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga ruficapilla (Wils.) Bd.
68 " celata (Say.) Bd. (First seen)
70 Dendroica aestiva (Gm.) Bd.
71 " virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Gr.
83 " pennsylvanica (L.) Bd.
92 Seiurus aurocapillus (L.) Sw.
94 " ludovicianus (V.) Bp.
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
193 Goniaphea ludoviciana (L.) Bourdich (First seen)

204 Pipilo erythrophthalmus (L.) V.
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
286 Ceryle alcyon (L.) Boie
298 Picus villosus L.
299 " pubescens L.
309 Melanerpes erythrocephalus (L.) Sw. (First seen)
312 Colaptes auratus (L.) Sw.
338 Accipiter fuscus (Gm.) Bp.
362 Halliaetus leucocephalus (L.) Savigny.
385 Bonasa umbellus (L.) Stp.
436 Tringoides macularius (L.) Gr.
457 Ardea virescens L.

Nos. 68, 193, ~~[illegible]~~ 309 newly arrived

I shot a specimen of the Helminthophaga celata (Say) Bd. in the evening, in an apple tree. I did not hear any note save a feeble chirup as it flitted from branch to branch. I was the first I ever saw.

II The T. ~~fuscescens~~ Swainsoni have become very abundant

III Mniotilta varia; have been very abundant ever since their arrival.

IV Parula americana; very abundant.

V H. ruficapilla; very abundant among the Apple orchards; not seen elsewhere.

VI D. caerulescens; very uncommon.

VII M. mitratus; very common; sings very sweetly on the top of a tall bush.

VIII G. ludoviciana. One bird seen. Sang very sweetly, beside a little brook.

IX Melanerpes erythrocephalus (L.) Sw. One seen.

Skins No. 644 Tringoides maculatus (L.) Gr. ♂ 5/10/75 H.E.
8 13 13/16 4 7/16

645 Myiodioctes mitratus (Gm.) Aud. ♂ 5/12/75
5 7/16 7 12/16 2 9/16 2 5/16

646 Dendroica caerulescens (L.) Bd ♂ 5/11/75
5 2/16 7 13/16 2 8/16 2 1/16

647 Dendroica virens (Gm.) Bd ♂ 5/11/75
5 7 9/16 2 8/16 2

648 Dendroica pennsylvanica (L.) Bd ♂ 5/12/75
5 7 14/16 2 9/16 1 15/16

649 Turdus fuscescens (Cab.) Steph ♂ 5/12/75
650 " mustelinus Gm ♂ 5/10/75
8 3/16 13 3/16 4 3/16 2 14/16

651 Dendroica maculosa (Gm.) Bd ♂ 5/12/75
4 15/16 7 8/16 2 6/16 1 15/16

652 Empidonax minimus Bd. ♂ 5/11/75
5 4/16 8 4/16 2 9/16 2 3 1/2/16

653 Empidonax minimus Bd. ♀ 5/11/75
4 15/16 7 8/16 2 6/16 1 15/16

654 Setophaga ruticilla (L.) Sw ♂ 5/11/75
5 3/16 7 14/16 2 10/16 2 4/16

655 Parula americana (L.) Bp ♂ 5/12/75
4 6/16 7 6/16 2 6/16 1 12/16

656 Myiodioctes pusillus (Wils.) Bp ♂ 5/12/75
5 7 1/16 2 4/16 2 1/16

657 Myiodioctes mitratus (Gm.) Aud ~~♂ juv~~ ♀ 5/12/75

May 14.

1 Turdus migratorius L.
3 " mustelinus Gm.
6 " ~~fuscescens~~ swainsoni Steph.
9 Minus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab
16 Sialia sialis (L.) Haldeman
31 Parus atricapillus L.
49 Troglodytes aedon V.

57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp; common
67 Helminthophaga ruficapilla (Wils.) Bd; very common.
71 Dendroica virens (Gm.) Bd; common in the tree tops.
78 Dendroica coronata (L.) G.; exceedingly common.
92 Seiurus aurocapillus (L.) Sw.
9— Seiurus ——— (uncertain which species)
97 Geothlypis trichas (L.) Cab; common.
100 Icteria virens (L.) Bd; very abundant; shy.
101 Myiodioctes mitratus (Gm.) Aud; common
104 Setophaga ruticilla (L.) Sw.
107 Pyanga rubra (L.) V.; (newly arrived.)
111 Hirundo horreorum Barton.
119 Ampelis cedorum (V.) Bad.
129 Vireo noveboracensis (Gm.) Bp. (newly arrived)
139 Carpodacus purpureus Gm. Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Linn.
193 Goniaphea ludoviciana (L.) Bondich; one seen.
204 Pipilo erythrophthalmus (L.) V.
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
258 Empidonax minimus Bd
265 Antrostomus vociferus (Wils.) Bp
271 Chetura pelasgia (L.) Steph.
275 Trochilus colubris L.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Bonasa umbellus (L.) Steph
436 Tringoides macularius (L.) Gr.

Sknie.

No. 658 Turdus ~~fuscescens~~ Swainsoni Steph. ♂ 5/13/75 H.F.
" 659 " Swainsoni Cab. ♀ "
" 660 " " " ♂ "
" 661 " " " ♀ "
" 662 Icterus baltimore (L.) Dandin. ♂ 5/12/75
" 663 " " " ♂ 5/13/75
" 664 Pyranga rubra (L.) V. ♂ 5/14/75
7 8/16 12 2/16 3 13/16 2 12/16 Tarsi 11/16, Iris brown.
665 Ceryle alcyon (L.) Boie ♂ 5/11/75
13 22 8/16 6 3 7/16 Iris brown
666 Mniotilta varia (L.) V. ♂ 5/14/75
4 14/16 8 7/16
667 Helminthophaga celata (Say.) Bd ♂ 5/13/75
4 11/16 7 4/16 2 5/16 1 13/16 Tarsi 11/16 Iris brown.
668 Helminthophaga ruficapilla (Wils.) Bd ♂ 5/13/75
669 " " " ♂ "
670 Parula americana (L.) Bp. ♀ 5/13/75
4 11/16 7.

May 15.

1 Turdus migratorius L.
3 " mustelinus Gm.
6 " ~~fuscescens~~ Swainsoni Steph.; very common
9 Minus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.; very plentiful.
58 Parula americana (L.) Bp.; very plentiful
60 Helmitherus vermivorus (Gm.) Bp. One seen (First seen)
67 Helminthophaga ruficapilla (Wilson) Bd.; common
70 Dendroica aestiva (Gm.) Bd.;
71 " virens (Gm.) Bd.; common.
76 " caerulescens (L.) Bd.; not common.
77 " caerulea (Wilson) Bd.; several seen (First)
78 " coronata (L.) Gr.
83 " pennsylvanica (L.) Bd.; common

84 Dendroica maculosa (Gm.) Bd.; rather common
92 Sciurus aurocapillus (L.) Sw.
97 Geothlypis trichas (L.) Cab.; common
100 Icteria virens (L.) Bd.; common
101 Myiodioctes mitratus (Gm.) Aud.; rather common
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.; rather common
111 Hirundo horreorum Barton
112 Tachycineta bicolor (V.) Cs.
114 Petrochelidon lunifrons (Say.) Cab.
119 Ampelis cedrorum (V.) Bd.
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Linn.
193 Goniaphea ludoviciana (L.) Bowdich; rare.
204 Pipilo erythrophthalmus (L.) V.
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus caroliniensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
256 Empidonax ~~acadicus~~ traillii (Gm.) Bd.; not common
258 " minimus Bd.; very common.
265 Antrostomus vociferus (Wils.) Bp.
267 Chordeiles virginianus (Briss.) Bp.; One shot (First seen)
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
338 Accipiter fuscus (Gm.) Bp. seen.
351 Buteo borealis (Gm.) V. seen
355 " pennsylvanicus (Wils.) Bp. seen
385 Ponasa umbellus (L.) Steph.

Nos. 60, 77, 267, newly arrived
Dendroica caerulea; have never noticed this species here before
S'kins No. 671 Pyranga rubra (L.) V. ♂ 5/14/75 H.F.
7 2/16 12 5/16 3 14/16 2 12/16 Tarsi 11/16
672 Mniotilta varia (L.) V. 5/15/75 H. Falls.

May 16.

1 Turdus migratorius L.
3 " mustelinus Gm.
6 " ~~fuscescens~~ Swainsoni Steph.
9 Minus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga ruficapilla (Wils.) Bd.
78 Dendroica coronata (L.) Gr.
83 " pennsylvanica (L.) Bd.
84 " maculosa (Gm.) Bd.
92 Seiurus aurocapillus (L.) Sw.
94 " ludovicianus (V.) Bp.
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton
112 Tachycineta bicolor (V.) Cs.
139 Carpodacus purpureus (Gm.) Gr.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Gr.
212 Agelaeus phoeniceus (L.) V.
126 Vireo flavifrons V. — First seen

216 Icterus baltimore (L.) Daudin.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
247 Myiarchus crinitus (L.) Cab.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
? 256 Empidonax acadicus (Gm.) Bd.
258 " minimus Bd.
257 " traillii (Aud.) Bd.; one bird seen.
234 Cyanurus cristatus (L.) Sw.
285 Bonasa umbellus (L.) Steph.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
265 Antrostomus vociferus (Wils.) Bp.

May 17.

1 Turdus migratorius L.
3 " mustelinus Gm.
6 " ~~fuscescens~~ Swainsoni Steph.
9 Minus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga ruficapilla (Wils.) Bd.
78 Dendroica coronata (L.) Gr.
83 " pennsylvanica (L.) Bd.
92 Seiurus aurocapillus (L.) Sw.
70 Dendroica aestiva (Gm.) Bd.
111 Hirundo horreorum Barton.
139 Carpodacus purpureus (Gm.) Gr.
169 Melospiza melodia (Wils.) Bd.

178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Linn.
209 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Bp.
212 Agelaeus phoeniceus (L.) V.
216 Icterus baltimore (L.) Dandin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
299 Picus pubescens L.
312 Sphyrapicus varius (L.) Sw.
336 Strix acadica (Gm.) Lath.

Shrine

Nov. 673 Pyranga rubra (L.) V. ♂ 5/15/75 Lit. E.
674 Dendroica caerulea (Wils.) Bd ♂ 5/17/75
5- 8/16 2 9/16 1 14/16 Bill 6 1/2/16 Jazzi 7/16
675 Petrochelidon lunifrons (Say) Cab ♂ 5/17/75
6 4/16 10 15/16 4 7/16 2
676 Dendroica maculosa (Gm.) Bd ♀ 5/17/75
5- 7 8/16 2 5/16 1 15/16
677 Dendroica caerulescens (L.) Bd. ♂ 5/17/75
5 4/16 ♀ 2/16
678 Trochilus colubris L. ♂ 5/17/75 3 7/16 4 3/16 1 10/16 1 2/16 (Bill 2 1/2)
679 Vireo noveboracensis (Gm.) Bd ♀ 5/16/75-
5 2/16 7 13/16 2 5/16 1 15/16 Iris white
680 Parula americana ♂ 5/17/75-
681 Chordeiles virginianus (Bris.) Cab. ♀ 5/17/75
10 24 7 14/16 4 13/16
682 Icteria virens (L.) Bd ♀ 5/17/75
683 Turdus migratorius L. ♀ 5/17/75-

May 18.

1 Turdus migratorius L.
3 " mustelinus Gm.
6 " fuscescens Steph.
9 Mimus carolinensis (L.) Ch.
10 Harporhynchus rufus (L.) Cab.
16 Galeoscoptes felvus (L.) Baird.
21 Regulus calendula (L.) Licht.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
60 Helmitherus vermivorus (Gm.) Bp.
67 Helminthophaga rubricapilla (Wils.) Bd.
70 Dendroica aestiva (Gm.) Bd.
71 " virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Ch.
92 Seiurus aurocapillus (L.) Sw.
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Bartan.
114 Petrochelidon lunifrons (Say) Cab.
129 Vireo noveboracensis (Gm.) Bp.
139 Carpodacus purpureus (Gm.) Ch.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
187 Passer domesticus Linn.
193 Goniaphea ludoviciana (L.) Bonaparte.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Ch.
216 Icterus baltimore (L.) Dandin.

228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Sm.) Bd.
255 Contopus virens (L.) Cab.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
355 Buteo pennsylvanicus (Wils.) Bp. sem
385 Bonasa umbellus (L.) Steph.
436 Tringoides maculatus (L.) Sw.

May 19.

1 Turdus migratorius L.
3 " solitarius Sm.
6 " ~~Swainsoni~~ ~~Fuscescens~~ Steph.
9 Mimus carolinensis (L.) Sw.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga rubricapilla (Wils.) Bd.
70 Dendroica aestiva (Sm.) Bd.
71 " virens (Sw.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Sw.
92 Seiurus aurocapillus (L.) Sw.
97 Geothlypis trichas (L.) Cab.
100 Sclerba vivens (L.) Bd.
101 Myiodioctes mitratus (Sm.) Aud.
104 Setophaga ruticilla (L.) Sw.

107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton
114 Petrochelidon lunifrons (Say) Cab.
139 Carpodacus purpureus (Gm.) Gr.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
193 Goniaphea ludoviciana (L.) Bonap.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Sm.) Gr.
215 Icterus spurius (L.) Bp.
216 " baltimore (L.) Daudin
[illegible] Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
247 Myiarchus crinitus (L.) Cab.
252 Sayornis fuscus (Sm.) Bd.
255 Contopus virens (L.) Cab.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
436 Tringoides maculatus (L.) Gr.

May 20.

1 Turdus migratorius L.
3 " ~~solitarius~~ Sm.
6 " ~~Swainsoni~~ ~~Fuscescens~~ Steph.
9 Mimus carolinensis (L.) ~~Cab~~ Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.

67 Helminthophaga ruficapilla (Wils.) Bd.
70 Dendroica aestiva (Gm.) Bd.
71 " virens (Gm.) Bd
76 " caerulescens (L.) Bd.
78 " coronata (L.) Gr.
83 " pennsylvanica (L.) Bd.
84 " maculosa (Gm.) Bd.
92 Seiurus aurocapillus (L.) Sw.
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) And.
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton
114 Petrochelidon lunifrons (Say.) Cab.
122 Vireo olivaceous (L.) V. – First Jun
139 Carpodacus purpureus (Gm.) Gr.
149 ~~Cyanospiza ursa cristatus~~ Chrysomitris tristis (L.) Bd.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusillus (Wils.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
215 Icterus spurius (L.) Bp.
216 " baltimore (L.) Dandin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Gr.
255 Contopus virens (L.) Cab.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph
275 Trochilus colubris L.
286 Ceryle alcyon (L.) Boré.
290 Coccyzus erythrophthalmus (L.) ~~V.~~ (Wils.) Bd
299 Picus pubescens L.

312 Colaptes auratus (L.) Sw.
355 Buteo pennsylvanicus (Wilson) Bp.
457 Ardea virescens Linn.

Skins No. 684 Goniaphea ludoviciana (L.) Bowdich ♀ 5/20/75
8 4/16 12 13/16 4 2 13/16 Iris brown.
No. 685 Goniaphea ludoviciana (L.) Bowdich ♂ 5/20/75
" 686 Dendroica caerulescens (Wils.) Bd. ♀ 5/20/75
4 15/16 7 6/16
" 687 Coccyzus erythrophthalmus (Wilson) Bd. ♂ 5/20/75
12 19 2/16 5 8/16 6 4/16 Iris brown; Eyelid red.
" 688 Setophaga ruticilla (L.) Sw. ♂ 5/17/75 H.F.
" 689 Helminthophaga ruficapilla (Wils.) Bd ♂ 5/19/75
" 690 Dendroica caerulescens (Wils.) Bd. ♂ 5/20/75
" 691 Dendroica virens (Gm.) Bd. ~~♂ jun~~ ♀ 5/20/75
" 692 " pennsylvanica (L.) B ♂ 5/20/75
" 693 Carpodacus purpureus (Gm.) Gr. ♂ 5/20/75
" 694 Pyranga rubra (L.) V. ♂ 5/20/75.
" 695 Parula americana (L.) Bp. ♂ 5/20/75.
" 696 Vireo gilvus (V.) Bp. ♂ 5/20/75
" 697 Trochilus colubris L. ♂ 5/20/75

May 21.

1 Turdus migratorius L.
3 " mustelinus Gm.
6 " ~~fuscescens~~ Swainsoni Steph
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
31 Parus atricapillus L.
49 Troglodytes aedon V.
51 Telmatodytes palustris (Wils.) Cab.; first seen this Spring
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga ruficapilla (Wils.) Bd.
69 Helminthophaga peregrina (Wils.) Cab.; several seen.
70 Dendroica coronata (L.) Gr.

71 Dendroica virens (Gm.) Bd.
76 " caerulescens (L.) Bd
83 " pennsylvanica (L.) Bd.
84 " maculosa (Gm.) Bd
92 Seiurus aurocapillus (L.) Sw.
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton.
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
168 Melospiza palustris (Wils.) Bd.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Gr.
212 Agelaeus phoeniceus (L.) V.
215 Icterus spurius (L.) Bp
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornifuscus (Gm.) Gr.
255 Contopus virens (L.) Cab.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
284 Ceryle alcyon (L.) Boie.
290 Coccyzus erythrophthalmus ~~(L.) V.~~ (Wils.) Bd.

210 Dolichonyx oryzivorus (L.) Sw.
299 Ovcus pubescens L.
312 Colaptes auratus (L.) Sw.
360 Pandion halliaetus (L.) Savigny seen
385 Bonasa umbellus (L.) Steph.
436 Tringoides macularius L. Gr.
457 Ardea virescens Linn.
Skins No. 698 Dendroica aestiva (Gm.) Bd ♂ 5/20/75
699 Dendroica aestiva (Gm.) Bd. ♀ 5/20/75
5 1/16 7 10/16
700 Dendroica caerulescens (L.) Bd. ♂ 5/21/75
701 Myiodioctes mitratus (Gm.) Aud ♂. 5/21/75
702 " " " ~~♀ ♂ [illegible]~~ 5/20/75
703 Helminthophaga peregrina (Wils.) Cab. ♂ 5/20/75
5 3/16 8 2/16 2 10 1/2/16 1 11 1/2/16
704 Agelaeus phoeniceus (L.) V. ♂ 5/21/75
705 Zonotrichia albicollis (Gm.) Bp. ♂ 5/21/75
706 Dilichonyx oryzivorus (L.) Sw ♂ 5/21/75.
7 8/16 12 3 14/16 2 9/16..

May 22.

1 Turdus migratorius (L.
3 " mustelinus Gm.
6 " ~~fuscescens~~ Swainsoni Steph.
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga ruficapilla (Wils.) Bd.
76 Dendroica caerulescens (L.) Bd.
78 " coronata (L.) Gr.
83 " pennsylvanica (L.) Bd.
84 " maculosa (Gm.) Bd
92 Seiurus aurocapillus (L.) Sw.
94 " ludovicianus (V.) Bp.
97 Geothlypis trichas (L.) Cab.

100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton.
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus ater (Gm.) Gr.
212 Agelaeus phoeniceus (L.) V.
215 Icterus spurius (L.) Bp.
216 " baltimore (L.) Dandin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Gr.
255 Contopus virens (L.) Cab.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
286 Ceryle alcyon (L.) Boie
290 Coccyzus erythrophthalmus (Wils.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
436 Tringoides macularius (L.) Gr.
457 Ardea virescens L.

S'Kins
707
No. ~~698~~ Dendroica caerulescens (L.) Bd. ♂ 5/22/75
708 ~~699~~ " " (L.) Bd ♂ 5/21/75.
709 ~~700~~ Vireo olivaceous (L.) V. ♀ 5/21/75. H. F.
710 Parula americana ♀ 5/21/75
711 " " ♀ 5/21/75.

May 23.

1 Turdus migratorius L.
3 " mustelinus Gm.
6 " ~~fuscescens~~ Swainson Steph.
9 Minus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
67 Helminthophophaga ruficapilla (Wils.) Bd.
70 Dendroica aestiva (Gm.) Bd.
78 " coronata (L.) Gr.
100 Icteria virens (L.) Bd.
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
182 Zonotrichia albicollis (Gm.) Bp.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Gr.

255 Contopus virens (L.) Cab.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
381 Zenaedura carolinensis (L.) Bp.

May 24

1 Turdus migratorius L.
3 " mustelinus Gm.
6 " ~~fuscescens~~ Swainson Steph.
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
69 Helminthophaga peregrina (Wils.) Cab.
70 Dendroica aestiva (Gm.) Bd.
169 Melospiza melodia (Wils.) Bd
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
242 Tyrannus carolinensis (L.) Bd
252 Sayornis fuscus (Gm.) Bd.
211 Molothrus pecoris (Gm.) Sw.
212 ~~Dolichonyx~~ Agelaeus phoeniceus (L.) V.
216 Icterus baltimore (L.) Dandin

May 25.

111 Hirundo horreorum Barton
(187) Passer domesticus Linn.
212 Agelaeus phoeniceus (L.) V.
271 Chaetura pelasgia (L.) Steph.
267 Chordeiles virginianus (Briss.) Bp.

Seen in New York City.

May 26

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
210 Dolichonyx oryzivorus (L.) Sw.
211 Molothrus ater (Gm.) Gr.
212 Agelaeus phoeniceus (L.) V.
216 Icterus baltimore (L.) Dandin.
221 Scolecophagus ferrugineus (Gm.) Sw.
225 Quiscalus purpureus (Bartr.) Licht.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
304 Melanerpes erythrophthalmus (L.) Sw.
339 Accipiter cooperi Bp.
436 Tringoides macularius (L.) Gr.
499 Aix sponsa (L.) Boie.

Seen between New York and Niagara Falls.
(Omitted) 214 Sturnella magna (L.) Sw.

May 27

1 Turdus migratorius L.
3 " mustelinus Gm.
16 Sialia sialis (L.) Haldeman.
9 Mimus carolinensis (L.) Gr.
70 Dendroica aestiva (Gm.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton.
112 Tachycineta bicolor (V.) Cs.
117 Petrochelidon lunifrons (Say.) Cab.
115 Cotyle riparia (L.) Boie. – at Niagara
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.

149 Chrysomitris tristis (L.) Am.
168 Melospiza palustris (Wils.) Bd.
169 " melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
210 Dolichonyx oryzivorus (L.) Am.
211 Molothrus ater (Bm.) Br.
212 Agelaeus phoeniceus (L.) ~~Bon~~ V.
214 Sturnella magna (L.) Am.
216 Scterus baltimore (L.) Dondix
221 Scolecophagus ferrugineus (Gm.) Am.
225 Quiscalus purpureus (Bartr.) Licht.
299 Picus pubescens L.
309 Melanerpes erythrophthalmus (L.) V.
436 Irrigoides maculatus (L.) Br.
Seen at N. Falls and on the way to Clifton Springs.

May 28.

1 Turdus migratorius L.
3 " mustelinus Am.
9 Merula carolinensis (L.) Br.
16 Sialia sialis (L.) Haldeman.
148 Chrysomitris tristis (L.) Bp.
168 Melospiza palustris (Wils.) Bd.
161 Poocetes gramineus (Bm.) Bd.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
210 Dolichonyx oryzivorus (L.) Am.
211 Molothrus ater (Bm.) Br.
212 Agelaeus phoeniceus (L.) V.
214 Sturnella magna (L.) Am.
216 Scterus baltimore (L.) Dondix
221 Scolecophagus ferrugineus (Bm.) Am.
225 Quiscalus purpureus (Bartr.) Licht.
228 Corvus americanus Aud.

234 Cyanurus cristatus (L.) Am.
242 Tyrannus carolinensis (L.) Bd.
309 Melanerpes erythrophthalmus (L.) V.
333 Circus cyaneus (L.) Jacq.

May 29.

1 Turdus migratorius L.
3 " mustelinus Am.
9 Merula carolinensis (L.) Br.
16 Sialia sialis (L.) Haldeman.
161 Poocetes gramineus (Bm.) Bd. Clifton Springs
168 Melospiza melodia (Wils.) Bd.
169 " palustris (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
210 Dolichonyx oryzivorus (L.) Am.
211 Molothrus ater (Bm.) Br.
212 Agelaeus phoeniceus (L.) V.
214 Sturnella magna (L.) Am.
216 Scterus baltimore (L.) Dondix
221 Scolecophagus ferrugineus (Bm.) Am.
225 Quiscalus purpureus (Bartr.) Licht.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Bm.) Bd.
265 Ammodromus rostratus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
286 Ceryle alcyon (L.) Boie
111 Hirundo horreorum Barton.
112 Tachycineta bicolor (V.) Cs.
114 Petrochelidon lunifrons (Say) Cab.
115 Certyle riparia (L.) Boie
119 Ampelis cedrorum (V.) Bd.
122 Vireo olivaceus (L.) V.
436 Irrigoides maculatus (L.) Br.
457 Ardea virescens L.

458 Nyctiardea grisea (L.) Steph var. naevia (Bodd) Allen
489 Anas obscura Gm.
521 Mergus merganser L.
Seen at Clifton Springs and Highland Falls N.Y.

May 30

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " ~~fuscescens~~ Swainsoni Steph
9 Minus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton.
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
129 " noveboracensis (Gm.) Bp.
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
216 Icterias baltimore (L.) Dandin.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
? 256 Empidonax acadicus (Gm.) Bd.
258 " minimus Baird.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
286 Ceryle alcyon (L.) Boie
212 Agelaeus phoeniceus (L.) V.

371
290
318 Scops asio (L.) Bp.
I found an Owl's nest containg four young, supposed by the person who showed me the nest, to be about 2½ weeks old. The nest was situated in a hollow Button-ball tree, at a height of about 20 ft. I thrust my hand into the hole and it was immediately seized by the old bird. I drew her out and threw her loose. I thought, at the time that it was a Long-eared Owl. I killed and preserved one of the young (♀) and will collect the others when they are older and the parent has been identified.

May 31

Skins of
No. 712 Scops asio (L.) Bp. ♀ juv 5/30/1875. H.F.
Iris yellow. Bill lead-color 6 11 13/16 2 5/16

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " suainsoni Cab.
9 Minus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
51 Telmatodytes palustris (Wils.) Cab.
57 Mniotilta varia (L.) V.
92 Seiurus aurocapillus (L.) Sw.
93 " noveboracensis (Gm.) Nutt.
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.

107 Pyranga rubra (L) V.
111 Hirundo horreorum Barton
114 ~~Tachycineta bicolor~~ Petrochelidon lunifrons (Say) Cab
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L) V.
129 " noveboracensis (Gm) Bp.
139 Carpodacus purpureus (Gm) Gr.
149 Chrysomitris tristis (L) Bp.
169 Melospiza melodia (Wils) Bd.
178 Spizella socialis (Wils) Bp.
179 " pusilla (Wils) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L) Bd
204 Pipilo erythrophthalmus (L) V.
210 Dolichonyx oryzivorus (L) Sw.
211 Molothrus ater (Gm) Gr.
215 Icterus spurius (L) Bp.
216 " baltimore (L) Dandin.
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L) Bd.
252 Sayornis fuscus (Gm) Bd.
255 Contopus virens (L) Cab.
256 Empidonax acadicus (Gm) Bd.
258 " minimus Bd.
265 Antrostomus vociferus (Wils) Bp.
267 Chordeiles virginianus (Briss) Bp.
271 Chaetura pelasgia (L) Steph.
275 Trochilus colubris L.
290 Coccyzus erythrophthalmus (Wils) Bd. Nest 1 egg.
299 Picus pubescens L.
333 Circus hudsonius (L) Cs. sen.
385 Bonasa umbellus (L) Steph.
457 Ardea virescens L.
458 Nyctiardea grisea (L) Steph
var. naevia (Bodd.) Allen.

~~May~~ June 1

S. asio. I went to the Owl's nest this evening at dusk and both old birds flew about me, uttering a deep guttural sound, not unlike one of the notes of the Coccyzus erythrophthal. They sometimes darted with great swiftness past my head, at the same time making a loud snapping with their bills. I procured the ♀ bird.

Skins.
No. 718 Scops asio (L) Bp. ♀ 6/1/75 H.F. Iris yellow
Bill lead-color 9 4/16 24 8/16 6 6/16 3

June 2.

Shot the other Owl. I was assailed by it in the same manner as on the previous night. I also procured the two young.

Skins
No. 719 Scops asio (L) Bp. ♂ 6/2/75 Highland Falls.
Iris yellow. Bill lead-color 9, 22 2/16, 6 4/16, 2 14/16.
713 Dolichonyx oryzivorus ♂ 5/31/75 Putnam Co. N.Y.
7 8/16 11 15/16 3 12/16 2 12/16 Tarsi 15/16 Middle toe & claw 1 1/16
714 Empidonax flaviventris ~~minimus~~ ♂ 5/31/75 Warner's Id. Put. Co. N.Y.
Iris brown 5 11/16 8 12/16 2 10/16 2 4/16
715 Petrochelidon lunifrons ♂ 5/31/75. Cold Spring N.Y.
716 Petrochelidon lunifrons ♀ 5/31/75 Cold Spring N.Y.
717 Telmatodytes palustris ♀ 5/31/75 Cold Spring N.Y.
Iris brown 5 2/16 6 8/16 1 14 1/2/16 1 10/16
720 720 Coccyzus erythrophthalmus ~~Wils~~ Bd. ♀ May 31 1875

June 3.

318 Scops asio (L) Bp.

June 10

Found the folloing nests with eggs

1 Turdus migratorius 3 T. mustelinus 9 Minius carolinensis 97 Geothlypis trichas 114 Hirundo horreorum 122 Vireo olivaceous 216 Icterus baltimore 178 Spizella socialis 169 Melospiza melodia 258 Empidonax minimus 242 T. carolinensis

June 11

1 Turdus migratorius L.
3 " mustelinus Gm.
9 Meimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
31 Parus atricapillus L.
49 Troglodytes aedon V.
51 Telmatodytes palustris (Wils.) Cab
93 Seiurus noveboracensis (Gm.) Nutt.
100 Icteria virens (L.) Bd.
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton.
119 Ampelis cedorum (V.) Bd.
122 Vireo olivaceous (L.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
211 Dolichonyx oryzivorus (L.) Sw.
212 Agelaeus phoeniceus (L.) V.
216 Icterus baltimore (L.) Dandin
228 Corvus americanus Aud.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris (L.) Steph.
290 Coccyzus erythrophthalmus (L.) V.
312 Colaptes auratus (L.) Sw.

Saw a pair of the P. atricapillus they appeared to have a nest in the vicinity tho' I could not find it.

I found the nest of C. auratus, containing the unusual no. of 8 eggs, with partly developed embryo's

June 13

Saw an adult Halliaetus leucocephalus (L.) Savigny

June 14

Among the birds seen were the Anas obscura Gm., Petrochelidon lunifrons, Telmatodytes palustris, Antrostomus vociferus and Ampelis cedorum.

June 15

Some of the birds seen were Seiurus aurocapillus, Myiodioctes mitratus, Geothlypis trichas, and Seiurus ~~noveboracensis~~ motacilla & Antrostomus vociferus.

June 16

92 Seiurus aurocapillus (L.) Sw.
1 Turdus migratorius L.
3 " mustelinus Gm.
16 Sialia sialis (L.) Haldeman
49 Troglodytes aedon V.
93 Seiurus noveboracensis (Gm.) Nutt.
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton.
122 Vireo olivaceous (L.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Linn.

199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
215 Icterus spurius (L.) Bp.
210 " baltimore (L.) Dandin
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
312 Colaptes auratus (L.) Sw.
457 Ardea virescens L.

Found a nest of the Geothlypis trichas; loosely constructed in a bush, at a height of two feet. The nest of the Pipilo erythrophthalmus was found on the ground at the foot of a stump.

Skins No. 721 Tyrannus carolinensis (L.) Bd ♀ 6/6/75
Shot from nest (No. 7)
No. 722 Icterus baltimore (L.) Dandin ♂ 6/6/75.
Shot from nest (No. 8)

June 17, 1875.

Saw Halliaetus leucocephalus. adult.

June 24, 1875.

Saw H. leucocephalus (L.) Savigny, adult

July 13, 1875.

Skins No. 723 Vireo olivaceous (L.) V. ♂ 7/12/75
H.F. Maxilla bluish-black; mandible and feet lead-color. Iris red.
6 7/16 10 8/16 3 5/16 2 6/16
No. 724. Melospiza melodia (Wils.) Bd. ♂ juv 7/12/75
H.F. Iris, bill, and feet brown.
725 Seniurus ludovicianus (V.) Bp. ~~noveboracensis~~ (Gm.) ~~Nutt.~~ ♂ juv 7/12/75
6 4/16 10 3 2/16 Bill blackish; legs & feet fleshy. iris brown

No. 726 Picus pubescens L. ♂ juv. 7/12/75 H.F.
6 10/16 11 12/16 3 9/16 Iris brown
727 Setophaga ruticilla (L.) Sw. ♂ (juv.) 7/12/75
728 Myiodioctes mitratus (Gm.) Aud ♀ 7/12/75
5 9/16 8
729 Contopus virens (L.) Cab ♂ 7/12/75
6 9/16 10 8/16 3 5/16 2 11/16

Skins July 14
No. 730 Turdus migratorius L. juv. 7/13/75
731 Icterus spurius (L.) Bp. ♀ juv. 7/13/75
6 5/16 9 12/16
732 Telmatodytes palustris (Wils.) Cab. ♂ 7/13/75
5 2/16 6 10/16 2 1 9/16 Tarsi 11 12/16 Bill 9/16

Found nest and 4 eggs of Melospiza melodia

July 21, 1875

Skins No. ~~23~~ 775 Ardea virescens L. ♀ July 21/75 H. Falls
17 12/16 26 12/16 7 3/16 Length to end of toes 22 5/16
1830. Iris orange yellow. " of bill 2 4 1/2/16
No. ~~47~~ Pyranga rubra (L.) V. ♂ July 21/75 H.F. 775.
7 2/16 11 8/16 3 9/16 2 8/16, Iris brown. Legs and
1834. feet led-color. Bill greenish led-color.
No. ~~47~~ Helmithorus vermivorus (Gm.) Bp. ♀ July 23/75
Putnam Co. N.Y. 5 6/16 8 10/16. Bill blackish
mandible and legs fleshy. Iris brown
No. 107 Helmitherus vermivorus (Gm.) Bp. Young July 23/75
Putnam Co. N.Y. 5 7/16 8 12/16 2 13/16 2 1/16
Bill blackish; mandible and feet fleshy; Iris brown
No. 138 Dendroica virens (Gm.) Bd ♀ July 23/75 Putnam Co. N.Y.
4 11/16 7 1/16 2 5/16 1 14/16 Iris brown
No. 220. ~~129~~ Seniurus ludovicianus ~~noveboracensis~~ (Gm.) Nutt. Young.
216 ~~149~~ Tachycineta bicolor (V.) Cass. ♂ juv July 28/75 H.F.
5 12/16 12 4/16 4 4/16 2
No. 150 Petrochelidon lunifrons (Say.) Cab. Young July 28/75
Highland Falls N.Y. J 5 12/16 12 4 3/16 1 13/16
No. 151 Ampelis cedrorum (V.) Bd. ♂ Iris red-brown July 29/75
Shot on wing flying across salt marsh

July 30/75

Skins

No. 1832. Ardea virescens L. ♀ July 21/75 H. Falls N.Y.

" 152 Myiarchus crinitus (L.) Cab. ♂ juv. July 30/74. Putnam Co N.Y. ~~H.F.~~
8 8/16 12 6/16 3 14/16 3 7/16
Bill black. Iris brown. Legs and feet greenish-blue.

153 Myiarchus crinitus ♀ juv. July 30/75 Putnam Co. N.Y. ~~H.F.~~
8 10/16 12 10/16 3 15/16 3 8/16 Iris brown. Bill black. Putnam Co. N.Y.

118 Myiarchus crinitus (L.) Cab ♀ juv. July 30/75 Putnam Co. N.Y.
8 8/16 12 4/16 Iris brown. Bill black. Legs greenish-blue

733 Myiarchus crinitus (L.) Cab ♂ juv. July 30/75. Putnam Co. N.Y.
Iris brown. Bill black. 8 11/16 12 8/16

734 Myiarchus crinitus (L.) Cab. ♀ juv. July 30/75 Putnam Co N.Y.
Iris brown 8 14/16 13 2/16 4 2/16 3 11/16

735 Ceryle alcyon (L.) Boie. ♂ July 30/75 Putnam Co N.Y.
Bill from nostril 1 10 1/2/16
12 13/16. 21 7/16. 6 3/16. 3 7/16.

736 Mniotilta varia (L.) V. ♂ juv July 30/75 Putnam Co. N.Y.
5 4/16. 8 8/16. 2 13/16. 2.

August. 27.

737 Contopus borealis ♀
Iris brown. Bill black; base of mandible orange
Legs and feet black. Second primary longest
7 5/16, 12 8/16, 4, 2 10/16, Tail of 12 feathers

738 Picus pubescens L. ♀ February 1. 1875.
Putnam Co N.Y.

739 Ampelis cedorum (V.) Bd. ♂ juvenis Aug 16. 1875.
Iris brown 7 1/16, 11 8/16, 3 11/16, 2 4/16.

740 Ampelis cedorum (V.) Bd ♀ juv. Aug 16. 1875
Iris brown

1235 ~~741~~ Ampelis cedorum (V.) Bd. ♂ juv Aug 16. 1875.

1236 ~~742~~ Contopus virens ~~Empidonax~~ traillii (Aud.) Bd. ♂ Aug 30. 1875 Iris brown
6 8/16 10 8/16 3 3/16, 2 9/16.

1237 ~~743~~ Contopus virens ~~Empidonax~~ traillii (Aud.) Bd. ♂ Aug 30. 1875
6 8/16. 10 9/16 3 5/16, 2 8/16. Iris brown

1238 ~~744~~ Contopus virens ~~Empidonax~~ traillii (Aud.) Bd. ♂ Aug 30. 1875.

1239 ~~745~~ Contopus virens " ~~(Aud.) Bd.~~ ♂ " 30. 1875

Private No. 1240 ~~746~~ Scolotypus trichas (L.) Cab. ♀ H.F. Aug 16. 1875.
5, 6 10/16, 2 4/16, 1 14/16.

1241 ~~747~~ Vireo olivaceous (L.) V. ♂ H.F. Aug 16. 1875.

1242 ~~748~~ Pyranga rubra (L.) V. ♀ Aug. 30. 1875.
Iris dark brown 7 4/16. 11 14/16. 3 13/16. 2 10/16.

1243 ~~749~~ Pyranga rubra (L.) V. ♀. Aug. 31. 1875
Iris dark brown 7 4/16, 11 13/16, 3 11/16, 2 7/16.

1244 ~~750~~ Icterus baltimore (L.) Dandin ♂ juv. Aug 31. 75.
Iris brown 7 8/16, 11 14/16, 3 13/16, 3 1/16.

~~124~~ 741 ~~751~~ Dendroica pinus ♀. August 31. 1875.
Iris brown. Tarsi 11/16. 5 9/16, 7 1/16, 2 13/16, 2 2/16.

742 Vireo solitarius (Wils.) V. May 1872. H. Falls N.Y.

743 Pyranga rubra (L.) V. ♂ juv. Sep 1. 1874 H.F.

744 Sialia sialis (L.) Haldeman ♂ juv Sep 1. 1875.
7, 12 10/16. Iris very dark brown.

745 Porzana carolina (L.) V. ♂ juv. Sep. 4/75.
~~7, 12 10/16. Iris~~ 8 14/16, 14, 4 4/16.
Iris hazel. Legs & feet greenish yellow.
Bill greenish-yellow at base - up dusky
Primaries 10 - 2nd longest - 1st between 5 & 6.
Each one successively a little shorter, from 2nd.

746 Picus pubescens L. ♂ juvenis. Sep 7. 1875 H.F.
Length 6 13/16 - Extent 12. Iris dark brown

747 Dendroica virens (Gm.) Bd. ♂ juv. Sep 7. 1875. - H.F.
Length 5 1/16 - Extent 7 13/16. Iris brown.

748 Setophaga ruticilla (L.) Sw. ♀ Sep 7. 1875 H.F.
Length 5 1/16 Extent 7 8/16. - Iris very dark brown

749 Contopus borealis (Sw.) Bd. ♀. - Sep 18. 1875. H.F.
Length 7 8/16 Extent 12 14/16 - Iris dark brown.

750 Contopus borealis (Sw.) Bd. ♀. Sep 18. 1875. H.F.
Length 7 9/16 Extent 12 14/16 - Iris dark brown.

751 Porzana carolina (L.) V. ♀. Sep 18. 1875. H.F.
Length 9 - Extent 14 11/16. Iris dark brown. - Legs yellowish green ~~[illegible]~~ Bill greenish yellow

752 Dendroica virens (Gm.) Bd. ♂ juv. Sep 18. 1875 H.F.
Length 5 1/16 Extent 7 10/16 Iris dark brown

No. 753 (♂) Dendroica maculosa ♂. Sept 18. 1875 - Ht. 5. 5 3/16 - 7 3/16. Iris dark brown

754 Dendroica striata (Forst.) Bd. # Sept 17-1875 Ht. 5. 5 3/16, 8 1/16, 2 1/16, 1 5/16, Tarsi 11/16, Bill 5/16. Iris very dark brown Feet yellow.

755 Dendroica striata (Forster) Bd ♀ Sept 17. 1875 - Ht. 5 2/16, 7 11/16, 2 15/16, L. - Legs &c like above.

756 Dendroica castanea (Wils.) Bds. ♂ juv. Sept 17. 1875 Ht. 5. Iris dark brown - Bill & feet lead color 5 7/16, 7 7/16, 2 1/16, L, Tarsi 11/16, Bill 6 3/16

757 Mniotilta varia (L.) Cat. ♂ juv. Sept 17. 1875 Ht. 5. Length 8 13/16 Iris brown - Bill and feet nearly black.

758 Anthus pensilvanicus ♂ ♀ Sept 17. 1875 - Ht. 5.

759 Dendroica tigrina ♂ Sept 20. 1875 - Ht. 5. 5, 8, 2 2/16, 1 5/16. Iris dark brown. Bill black - yellow first at base of mandible. Legs & feet black, except bottoms of feet which are yellow. Shot in a Red cedar.

760 Dendroica blackburniae (Gm.) Bd. ♂ juv. Sept. 20/75. Ht. 5. 4 3/16, 7 1/16, 2 1/16, 1 3/16. Iris brown - Bill blackish - horn-color at base of mandible. Feet & legs blackish-brown - yellow beneath.

761 Seiurus aurocapillus (L.) Sw. # Sept. 20/75. Ht. 5. 6, 7 3/16, 2 15/16, L. Legs & feet flesh-color. Bill dusky above - below flesh.

762 Dendroica striata (Forst.) Bd. # Sept. 20/75. Ht. 5. 5 5/16, 7 3/16, 8, 2 3/16. Iris brown - Mandible horn-color Maxilla black. Legs & feet brownish yellow

763 Helminthophaga ruficapilla (Wils.) Bd. ♀ juv. Sept 20/75 Ht. 5. 4 7/16, 7, 2 3/16, 1 10/16.

764 Ampelis cedrorum (Vieill.) Bd. ♂ Sept 20/75 Ht. 5. 7 5/16, 11 3/16, 3 1/16, 2 3/16. Iris brown, Bill & feet black

765 Dacnis cayana (L.) Haldeman - ♂ juv - Sept 20/75 - Ht. 5.

766 Colymbus torquatus Brunn ♀ juv Sept 21/75 Shot by Josh Hand & Cornwall on the Hudson 30 8/16, 54, 18 5/16. Iris pink - Bill blackish

color of upper mandible, nearer brown greenish, except a dusky line along culmen; and base of mandible, which is tinged with rose color. Legs & feet green or nearly - posteriorly dusky. Each primary successively shorter than preceding

767 Ectopistes migratorius (L.) Bds. ♂ juv. Sept 21/75 - Putnam Co. N.Y. 13 5/16, 24, 7 6/16, 6 8/16. Irides red Feet light red Bill black

768 Ectopistes migratorius (L.) Bds. ♂ Sept 21/75 - Putnam Co. N.Y. 16 10/16, 24 4/16, 7 12/16, 8. Irides red Feet light red Bill black

769 Turdus fuscescens Cab. ♂ Sept 23/75. Ht. 5. 6 7/16, 11 3/16, 3 1/16, 2 6/16. Bill black - fleshy at base of mandible Legs & feet light brown - Tarsi 15/16.

770 Turdus minor (Gm.) Bd. ♂ Sept 23-1875 - Ht. 5. 7, 11 2/16 8 12/16, 2 1/16, Tarsi 11/16, Bill 2 1/2/16 Legs & feet lead color Bill green blue - horn-color.

771 Vireo solitarius (Wils.) Bd. (♀) Sept 25/75 Ht. 5. 5 2/16, 7 1/16, 8, 2 1/16, Tarsi 10/16 Bill Middle toe & claw 10/16. Iris brown - Mandible base & feet lead-colr Maxilla black

772 Parula americana (L.) Bd. # Sept 25/75 Ht. 5. 4 10/16, 7 3/16, 2 1/16, 1 3/16. Legs & feet yellowish brown Bill black on maxilla - mandible yellow -

773 Ardea virescens ♂ ♀ Sept 25. 1875 Ht. 5.

774 Spizella socialis (Wils.) Bds. ♂ Sept 23/75. Ht. 5.

~~775 Pyrrhuloxia Ludoviciana (L.) Bd. # Sept 28/75. Ht. 5.~~

Statenland Sept 28, 75.

Hudson River, New York,

Here I am at the Island at the last of a thirty hour passage, reaching it at 7 yesterday, as soon as I have got things put to rights about camp, will be ready to commence operations against the birds.

The drive from camp is splendid and birds are very plenty.

[illegible] Dendroica striata (Forst.) Bd. 8 Sept. 2, 1875-
[illegible] Hudson River N.Y. 5 5/16, 8 1/16, 2 3/16, 1 7/16.

[illegible] Dendroica striata (Forst.) Bd. 8 Sept. 2, 1875-
[illegible] 5 5/16, 8 1/16, 2 3/16, 1 7/16.

778 Dendroica striata (Forst.) Bd. 9. Sept 28, 1875
[illegible] Island 5 1/16, 8 1/16, 2 13/16, 1 5/16.

779 Oporornis formosa (Wils.) Bb. ♂ Sept 28, 1875.
[illegible] Bill very fine black 5 3/16, 7 3/16, 2 11/16, 2 1/16

780 Oporornis agilis (Ord.) Baird ♀ Sept. 1875.
[illegible] flesh color 7 1/16 7 1/16, 2 3/16, 1 11/16.
Hart's Island

[illegible] Chaetura pelagica (Linn.) Baird Bd. 8 Sept. 1875
[illegible] black Maxilla brown —
[illegible] 5 3/16, 5 10/16, 2 10/16, 3/16.
Sarsi 7 3/16 Christopherson Hudson River N.Y.

782 Podilymbus podiceps (Lath.) ♀ Sept 30. 1875
Harrison Co N.Y. 12 7/16, 5 3/16, Secondaries 16 7/16
Bill dull yellowish black; culmen yellow.
Iris [illegible]

783 Corvus americanus (Aud.) Baird ♀ Sept 30. Manursing Id.
13, 21 3/16, 6, 3 5/16.

784 [illegible] (Gmelin) Bd. ♂ 30. Manursing Id.
5/16, 8, 8 1/16, 7.

785 Ammodramus caudacutus (Gmel.) Bd. ♂ Sept 30.
Manursing Id. 5/16 19, 6, 1 1/16 Iris brown

786 Spizella pusilla Baird ♀ Oct 2. 1875
Bill black. Legs & feet brownish black
7 1/16, 13 3/16, 1, 2 13/16.

787 Corvus ossifragus (Wils.) Baird ♀ July 21/75 H.H.

788 Chaetura pelagica (Wils.) Bd 8. Aug. 1872. H.H.

789 Melospiza melodia (Wils.) ♂. Oct 6. 1875 H.H.
1 3/16, 13, 3 15/16, 2 13/16, Bill 7 1/2 16, Sarsi 15/16
Middle toe & claw 5/16. Bill with base of mandible flesh color, the rest black. Legs & feet flesh-color. Iris brown

790 Turdus aliciae Baird ♂ Oct 6. 1875. H.H.
7 3/16, 12 5/16, 1 7/16, 2 spec. Sarsi 1 7/16 Middle toe & claw 14/16 Bill 7/16; Bill black with

base of mandible [illegible] Iris dark [illegible]
Legs & feet. ~~flesh-colored~~ black; flesh color behind and below, toes — 4 feet.

1288. Turdus swainsoni Cab. ♂ Oct 6. 1875 H.H.
7 5/16, 13, 3 15/16, 2 9/16

791 Turdus aliciae Baird ♀ Oct 6. 1875. H.H.
7 5/16, 12 7/16, 3 2/16, 2 1/16.

792 Oedemia fusca (L.) Stur. var velvetina Cass ♂ Oct 7
1875. ~~[illegible]~~ 22, 40, 11, 3! Sail of 17 feathers
Iris white; feet orange red. Bill with black, purple, yellow and red shading into each other & white. Comwall on the Hudson (Josh Ward)

793 Turdus aliciae Baird ♂ Oct 6. 1875. H.H.
7 2/16, 12 2/16, 3 1/16, 2 1/16.

794 Turdus aliciae Baird ♂ Oct 6. 1875. H.H.
7 12/16, 13, 4 3/16, 3 1/16.

795 Turdus aliciae Baird ♀ Oct 6. 1875 H.H.
7 2/16, 12 1/16, 3 15/16, 2 14/16

796 Oedemia americana Stur. ♂ Oct 7. 1875
Cornwall on the Hudson. (Josh. Ward) Iris brown
Sail 16 feathers. Legs & feet black, with a slight tinge of orange. Bill with elevated part yellow, shading into orange-red on sides (changing to dark red in dry skins)
Lower mandible & sides & tip of upper black
[illegible] 8 1/16, 33 10/16, 8 1/16, 3 1/16

797 Carpodacus purpureus (Gm) Stur. ♀ Oct 9. H.H.
Iris brown 6 6/16, 10 7/16, 3 3/16, 2 4/16.

798 Carpodacus purpureus (Gm) Stur ♂ jun Oct 9. H.H.
6 2/16; 10 7/16, 3 4/16, 2 4/16

— Saw the first Snow Birds and Ruby-crowned Kinglets Today, October 12. 1875.

799 Dendroica striata ♀ Oct 6. H. Hills,
5 11/16, 7 2/16, 2 13/16, 2 9/16.

800 Fulica americana Gm ♂. Oct 11. 1875 Cornwall in the Hudson (Josh Ward) Iris brown. Legs & feet dirty greenish. Bill flesh-color, elevated part

at base red – tip, blackish – length to end bone 20 14 5/16, 26, 1 3/16, 1 5/16.

801 Oedemia americana Det. & Oct 11. 1875 Cornwall on the Hudson (Josh Ward) Iris brown Bill black. Feet mud-color, tinged slightly with orange. 18 6/16, 32 12/16, 8 12/16 Bill 1 10/16.

802 Oedemia perspicillata (L.) Flemming & Oct 11/75 Cornwall on the Hudson (Josh Ward) Iris brown. Feet muddy orange. Bill blackish, grained & irregularly patched with (color) Bill 1 9/16; 18 12/16, 32 12/16, 8 10/16.

803 Oedemia ~~fusca perspicillata (L.)~~ Flemming & Oct 11/75 Cornwall on the Hudson (Josh Ward) 18 3/16, 31 14/16, 8 2/16, 3 6/16 Iris brown Bill marked at base of maxilla and on mandible with irregular patches of orange, the rest black. Feet blackish tinged with orange

804 Ceryle alcyon (L.) Boie & Oct 13/75. H. Falls. 13 1/16, 2 2 7/16, 6 4/16, 3 11/16

805 Sphyrapicus varius (L.) Bd. & jun Oct 13 H. Falls. 8 10/16, 15 4/16, 4 11/16, 3. Iris brown. Bill blackish Feet greenish

806 Harelda glacialis (L.) Leach & Oct 19. 1875 Cornwall on the Hudson (Josh Ward) Iris brownish-yellow. Bill black on nail & at base; middle reddish-orange (tip greenish-white) black 21 13/16, 30, 8 5/16, 7 13/16.

807 Colecus chagus ferrugineus (Gm.) Bp. & ~~Canandaigua Lake N.Y.~~ Hyde's Ravine Oct 24. 1875 Bill & feet black. Iris yellow.

808 Merganser cucullatus L. & jun. Nov. 6. 1875 Put. Co. N.Y. 18 5/16, 26 2/16, 7 4/16, 3 13/16. Iris brownish-yellow.

809 Scops asio (L.) Bp. ♀. Nov 6. 1875. H. F. N.Y. ~~Ad.~~ Jun. 9 9/16, 24, 6 5/16, 3 2/16. Iris yellow

810 Turdus migratorius L. &. Nov. 1. 1875. H.F. N.Y. 10, 16, 4 14/16, 3 12/16. exhibits a tendency toward albinism.

811 Carpodacus purpureus (Gm.) Bp. & Nov 1. 75 H. Falls. N.Y.

812 Corthia ~~incerta~~ familiaris & ♀. H. Falls N.Y. Nov 10. 1875.

813 Corvus americanus Aud. &. November 13. H. Falls. 18 12/16, 30, 11 9/16, 7 8/16. Iris brown).

814 Chrysomitris tristis (L.) Bp. &. Nov 25. 1875. H.F. 3, 8 14/16, 2 12/16, 2.

815 Nyctea nivea (Daud.) Bp. &. Dec 1. 1875. Shot by Wm. Birch. Government House (beach) South Side L. Island. N.Y. Iris yellow. Bill Bluish black. Stomach distended with feathers. 23 5/16, 55 5/16, 14 12/16, 9 6/16.

816 Syrnia alpina L. var Americana Gmelin ♂ Dec 1. 1875. South Side, Long Island. N.Y. Shot by Wm. Birch 8. 13/16 15 8/16, 4 14/16, 9 5/16.

817 ~~Strix flammea~~ Asio Bonaparteii, Nelsonii, Cass. (Bock.) Ch. & ♀. Dec. 1875. 12 3/16, 24 11/16, 7 6/16, 2 12/16. S. Side L. Island (W. Birch) ♂. Dec. 1. 1875.

818 Strix (Aluco) L. South Side L. Island. Wm. Birch 11 1/16, 21 2/16, 6 9/16, 2 8/16.

819 Bucephala clangula (L.) Bp. ♀. Dec. 8. 1875. Cowsock. Fd. Hudson River N.Y. Iris yellowish. Bill blackish. Feet muddy yellow-web black. Tail 16 feathers 17 2/16, 29, 7 13/16, 3. Stomach prepared.

820 Chrysomitris tristis (L.) Bp. & December 9. 1875. H. Falls 6 7/16, 9 3/16, 2 14/16, 2.

821 Chrysomitris tristis (L.) Bp. & Dec 9. 1875. H. Falls. 5 12/16, 8 14 1/2/16, 2 12/16, 1 14/16,

822 Chrysomitris tristis (L.) Bp. & Dec. 9 1875 H.F. 5 3/16, 8 15/16, 2 10 1/2/16, 2 1/16,

823. Chrysomitris tristis (L.) Bp. & Dec. 9. 1875. H.F. 5 1/16, 8 13/16, 2 13/16, 2.

824. Colinus borealis (L.) Bd & Ft. Montgomery N.Y. Dec 11. Iris red-brown, Bill blk-base horn-color. Feet blk. 4th primary longest. 10, 14, 4 8/16, 4 7/16, Tarsi 1. Middle toe & claw 8 4/100 Bill 6 8/100.

No. 825. Parus atricapillus L. ♀ Dec. 11. Ft. Montgomery 5 1/16, 7 12/16, 2 5/16, 2 6 1/2/16.

826. Certhia familiaris L. ♀ Dec 11. Iona Id. N.Y. 5 13/16, 8 1/16, 2 9/16, 2 12/16. Bill 67/100. Tarsi 52/100.

827. Certhia familiaris (L.) ♂ Dec 7. 1875 H.F. 5 12/16, 8, 2 9/16, 2 10/16.

828 Spizzella monticola ♂ Dec. 8. 1875 H.F. 6 3/16, 9 10/16, 3 1/16, 2 13/16.

829 Anorthura hyemalis ♂ Dec. 7. 1875 H.F. 4, 6 2/16, 1 14/16, 1 4/16.

Measurements

Centurus carolinus (L.) Bp. Nov. 4. 1874 Newark New Jersey. 9 10/16, 17, 5 5/16, 3 1/16.

Nyctale acadica (Gm) Bp. Nov. 4. 1874 N. Jersey. 7 3/16, 19 3/16, 5 7/16, 3. Iris yellow.

~~No. 1833. Scops asio (L.) Bp. ♀. Dec 8. 1875 (Mounted) Highland Falls N.Y. 9 11/16, 24, 6 1/16, 3.~~

No. 830. Spizella moticola ♂ Dec 18. 1875. H.F. Legs & feet dark brown. Bill with maxilla black — mandible orange-yellow. Iris brown 6 7/16, 9 7/16, 2 15/16, 2 12/16.

831 Chrysomitris tristis (L.) Bp. Dec. 17. W. Point 4 14/16, 8 10/16, 2 12/16, 1 14/16.

832 C. tristis. (L.) Bp. Dec. 17. West Point. 4 14/16, 8 10/16, 2 12/16, 1 14/16.

833 C. tristis. (L.) Bp. Dec. 17. 1875. W. Point. 4 12/16, 8 11/16, 2 12/16, 1 14/16.

834 Regulus satrapa Licht. ♀. Dec 17/75. W. Point. 4, 6 12/16, 2 3/16, 1 12/16.

835 Sitta carolinensis Gm. ♂ Dec. 16/75. H.F. 5 14/16, 10 9/16, 3 8/16, 1 14/16.

836. Orlyx virginianus (L.) Bp. ♀ Dec 21. 1875. Putnam Co. N. York. 10 2/16, 15 3/16, 4 5/16, 2 10/16.

No. 837. Carpodacus purpureus (Gm.) Gr. ♀. Ft. Montgomery. N.Y. Dec. 22. 1875. 6 7/16, 10 8/16, 3 3/16, 2 5/16.

839 Regulus satrapa Licht. ♀. Dec. 21. 1875. H.F. 4 7/16, 6 13/16, 2 3 1/2/16, 1 12/16.

840 Regulus satrapa Licht. ♀ Dec. 21. 1875. H.F. 4 2/16, 6 9 1/2/16, 2 2/16, 1 10/16.

Measurements

No 1337 Orlyx virginianus (L.) Bp. ♂. Dec 21. 1875 Putnam Co N.Y. 11, 15 12/16, 4 5/16, 2 11/16.

1338 Scops asio (L.) Bp. ♀. Dec. 8. 1875. H.Falls. 9 11/16, 24, 6 1/16, 3. Iris yellow.

No. 838. Certhia familiaris L. ♂ Dec 24. 1875. Ft Montgomery N.Y. 5 8/16, 7 12/16, 2 7/16, 2 9/16.

Measurement

Turdus migratorius L. ♂ Dec 24. 1875 H.F. Iris brown. Bill blackish. Extremity of toes yellow (probably frosted) Tarsi 1 25/100 Middle toe & claw 1 25/100. 10 9/16, 16 3/16, 5 2/16, 4 8/16.

No. 841 Pinicola enucleator ♂ juv. Jan 12. 1876 Ft. Montgomery N.Y. 8 12/100, 12 75/100, 4 6/16, 3 10/16, 14/16, 9/16.

842 Pinicola enucleator ♂ juv. Jan 12. 1876. Ft. Montgomery N.Y. 8 4/16, 13 10/16, 4 8/16, 3 6/16, 14/16, 9/16.

843 Pinicola enucleator ♀. Jan 12. 1876. Ft. Montgomery N.Y. 8 5/16, 13 6/16, 4 7/16, 3 7/16,

844 Chrysomitris tristis ♂ Jan 11. 1876 H. Falls 4 11/16, 8 13/16, 3, 2, 9/16, 6/16.

845 Regulus satrapa ♂ Jan 12. 1876. W Point 4 5/16, 6 14/16, 2 1/16, 1 11/16.

846 Chrysomitris tristis ♀ Jan 11. 1876 H.F. 5, 8 5/16, 2 13/16, 2 3/16. Tarsi 9/16, Bill 6/16 Iris brown.

847 Chrysomitris tristis ♂. Jan 11. 1876 H.F. 5 1/16, 8 15/16, 2 14/16, 2 1/16, Tarsi 9/16. Bill 6/16. Iris dark brown

No. 848 Chrysomitris tristis ♂ Jan 11. 1876 H. Falls.
5 1/16, 8 13/16, 2 14/16, 2 2/16. Tarsi 9/16, Bill 6/16.

849 Sitta carolinensis ♂ Jan 15. 1876 H. F.
6 2/16, 11 2/16, 3 8/16, 2.

850 Junco hyemalis ♂ Jan 17. 1876. Rockland Co. N.Y.
6 4/16, 9 15/16, 3 1/16, 2 12/16. Tarsi 25/32 Mid. toe & its claw 24/32
Legs & feet dark brown. Bill flesh-color, maillâ tipped blk.

851 Parus atricapillus ♂ Jan 12. 1876. West Point N.Y.
5, 7 13/16, 2 9/16, 2 9/16 Tarsi 10/16 Bill 6/16.

852 Picus pubescens ♂ Jan 12. 1876. Ft. Putnam N.Y.
6 4/16, 11 12/16, 3 10/16, 2 12/16 Tarsi 11/16. Bill 11/16.

853 Ampelis cedorum ♀ Jan 15. 1876. H. F.
7, 11 10/16, 3 2/16, 2 4/16. Iris red brown.

854 Sitta carolinensis ♀ Jan 15. 1876. H. F.
6, 11 2/16, 3 8/16, 1 15/16. Iris very dark

855 Ampelis cedorum ♀ Jan 15. 1876. H. F.
7, 11 12/16, 3 2/16, 2 4/16 Iris red brown.

856 Ampelis cedorum ♀ Jan 15. 1876. H. F.
7, 11 9/16, 3 2/16, 2 3/16 Iris red-brown

857 Parus atricapillus ♀ Jan 17. 1876 H. F.
5 4/16, 8, 2 9/16, 2 8/16.

858 Spizella monticola ♀ Jan 12. 1876. H. F.
6 2/16, 9 8/16, 3 2/16, 2 12/16 Tarsi 13/16, Bill 7/16

859 Ampelis cedorum ♂ Jan 15. 1876. H. F.
7, 11 6/16, 3 1/16, 2 4/16 Iris red-brown

860 Junco hyemalis ♂ Jan. 12. 1876 West Point.
6 2/16, 9 1/16, 3 2/16, 2 13/16. Tarsi 14/16. Bill 7/16

861 Melospiza melodia ♂ Jan 21. 1876 Iona Id. H. R.
6 3/16, 8 8/16, 2 8/16, 2 9/16, Tarsi 13/16. Iris brown
Legs & feet light brown. Bill, with maxilla blackish mandible horn-color, tipped black.

862 Spizella monticola ♂ Jan 21. 1876 Iona Id. Hudson River. 6 6/16, 9 8/16, 3, 2 14/16.
Iris brown. Legs & feet dark brown. Bill orange yellow, on ridge, at base of maxilla, and all of mandible but tip, resedium dusky.

No. 863 Parus atricapillus ♂ Jan 12. 1876. Ft. Montgomery N. York. 4 15/16, 7 10/16, 2 9/16, 2 7 1/2/16. Tarsi 9/16.

864 Regulus Satrapa ♂ Jan 13. 1876. West Point.
2 3/4, 6 14/16, 2 6/16, 14/16 Tarsi 10/16 Bill 5/16.

865 Regulus Satrapa ♀ Jan 12. 1876 West Point.
3 15/16, 6 10/16, 2 4/16, 1 11/16. Tarsi 11/16, Bill 5/16.

February 13. 1876
To day I saw the first Blue Birds I have seen this winter.

Feb. 14/76
Found a Scarlet Salimander in the path (Salimandra rubra?), but lost it in the woods. Found during a rain storm.

No. 866 Picus pubescens L. ♂ Feb 8. 1876
Ft. Montgomery N. Y. 7, 12 2/16, 3 10/16, 2 9/16.
Bill lead-color Iris brown.

867 Junco hyemalis (L.) Scl. ♂ Iona Id. H.R.
6 5/16, 10, 3 1 1/2/16, 2 11/16. Bill flesh color, tipped blkish ~~and~~ feet brown Iris dark-brown Feb 8. 1876

868 Junco hyemalis (L.) Scl. ♂ Iona Id. Hudson River N. York 6 6/16, 9 11/16, 2 13/16, 2 10/16
Iris dark brown. Bill flesh-color, tipped with dusky. Legs and feet brown Feb 8.

869 Junco hyemalis (L.) Scl. ♀ Iona Island Hudson River N. Y. Feb 8. 1876
6 3/16, 10 2/16 3 1 1/2/16, 2 10/16 Iris brown
Bill flesh, tipped dusky. Legs brown

870 Junco hyemalis (L.) Scl. ♂ Feb 8. 1876
Iona Id. H. River. N. York. 6 6/16, 9 13/16, 3, 2 12/16.

871 Junco hyemalis (L.) Scl. ♂ Feb 8. 1876
Fort Montgomery N. Y. 6 8/16, 10 1/16, 3 2/16, 2 13/16

872 Anorthura hyemalis (Vil.) Cs. Feb 8. 76
Iona Id. Hudson River New York
4 4/16, 6 2/16, 2 9/16, 2 9/16 Iris brown

March 6. 1876.

The first Fox Sparrows appeared to day, and were already singing sweetly. The Blue Birds and Song Sparrows are very abundant.

No. 873 Certhia familiaris L. ♀ Feb 22. 1876, Orange Co. N.Y. 5 12/16, 8 1/16, 2 10/16, 2 13/16, Iris and feet brown. Bill blackish above, flesh-color below.

874 Certhia familiaris L. ♀ Feb. 22. 1876 Orange Co. N.Y. 5 12/16, 8 1/16, 2 9/16, 2 13/16; rest as above.

875 Picus pubescens L. ♀ Feb. 22. 1876 Orange Co. N.Y. 7 2/16, 12 5/16, 3 13/16, 2 10/16.

876 Bonasa umbellus (L.) Steph. ♀ Feb. 22. 1876 Ft Montgomery N. York

877 Picus pubescens L. ♂ March 2. 1876 H.F. Bill bluish, darker above. Iris brown 7, 12 2/16, 3 11/16, 2 8/16.

878 Corvus americanus Aud ♀ March 4. 1876 Putnam Co. N.Y. Mounted. Iris brown 19, 37 8/16, 12 7/16, 7 8/16.

879 Picus pubescens L ♀ March 4. 1876 Putnam Co. N.Y. ~~Mar~~ Iris brown. Bill greenish-black above, lighter below. Feet greenish 6 10/16, 11 15/16, 3 10 1/2/16, 2 5/16.

880 Picus pubescens L. ♂ March 4. 1876. Putnam Co. N.Y. Iris reddish-brown. Bill lead-color. Feet greenish 6 15/16, 11 14/16, 3 8 1/2/16, 2 5/16.

881 Bonasa umbellus (L.) Steph ♂ March 4. 1876 Putnam Co N.Y. Iris brown. Feet lead-color. Bill brownish-black above, horn-color below. 18 8/16, 23 8/16, 7, 6 6/16.

March 7.

To-day I took a long walk. The birds seen were as follows.

1 Turdus migratorius L
16 Sialia sialis (L.) Haldeman
22 Regulus satrapa Licht
31 Parus atricapillus L
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Sel.
177 Spizella monticola (Gm.) Bd.
(187) Passer domesticus Kin
188 Passerella iliaca (Merrem) Sw
228 Corvus americanus
299 Picus pubescens L
Sphyrapicus varius (L.) Bd.
Halliaetus leucocephalus (L.) Savigny
Buteo lineatus

No. 882 Sphyrapicus varius (L.) Bd. ♀ March 7. 1876 H. F. 8 6/16, 15 5/16, 4 12/16, 3 1/16 Iris brown Bill bluish-black. Feet greenish.

883 Sialia sialis (L.) Haldeman. ♂ Mar. 6. 1876 H. F. Bill & feet blackish Iris brown 7 1/16, 12 8/16, 3 13/16, 2 9/16.

884 Sialia sialis (L.) Haldeman ♂ March 6. 1876 7, 12 9/16, 3 13/16, 2 9/16

885 Sialia sialis (L.) Haldeman ♀ March 6. 1876 7, 12 5/16, 3 14/16, 2 8/16.

886 Fox Sparrow. (Passerella iliaca (Merrem) Sw.) ♀ Putnam Co N. Y. 7 4/16, 11, 3 6 1/2/16, 2 14/16 Iris brown; feet flesh-color. Bill brown-black above, yellow below. (March 7. 1876

887 Melospiza melodia (Wils.) Bd. ♂ March 5. 1876 H. F. 6 10/16, 8 12/16, 2 10/16, 2 13/16.

888 Marica americana (Gm.) Steph ♂ Hudson River. N.Y. N.York. March 12. 1876 20 4/16, 34 8/16, 9 14/16, 4 8/16. Bill above 1.38; along edge of mandible 1.60; Tarsus 1.45 Hind toe & claw 32/100, Middle toe & cl... 2. Iris hazel. Bill light blue, blk on tip & all below

Feet light bluish grey, webs darker, claws blackish. Tail of 14 feathers. Stomach filled with fine gravel and fine green vegetable mass.

No. 889 Sialia sialis (L.) Haldeman ♂ March 12. H.F. 7 2/16, 12 8/16, 1, 2 10/16

890 Chrysomitris tristis (L.) Bd. H. F. March 10 76. 5 4/16, 8 14/16, 2 14/16, 2. Iris brown. Legs dark brown. Bill blackish above, yellow at base of mandible

March 18. 1876.

The Bald Eagles were very abundant in the "cove" to the North of Garrison's Station on the H. R. R.R. I counted as many as sixteen at one time

I built a bower of hemlock boughs near a tree where they often allighted and succeeded in wounding a fine adult bird. I mean to keep it alive.

March 28, 1876.

Arrivals The Phoebes made their first appearance here today. The Rusty Grackles have been here two weeks.

I saw the first Osprey on the 25.

No. 891 Ampelis cedorum (V.) Bd. ♂ March 23/76 H.F. 7, 11 13/16, 3 12/16, 2 8/16 Iris red-brown. Bill & feet blk.

892 Ampelis cedorum (V.) Bd. ♀ March 23/76 H.F. 7, 12, 3 12/16, 2 7/16.

893 Ampelis cedorum (V.) Bd ♀ March 23/76 H.F. 6 12/16, 11 12/16, 3 12/16, 2 6/16.

894 Ampelis cedorum (V.) Bd. ♂ March 23/76 H.F. 7 6/16, 12, 3 11/16, 2 8/16

895 Junco hyemalis (S.) Sch. ♂. March 24. 1876 H.F. 6 4/16, 9 12/16, 3, 2 12/16. Iris brown Bill flesh color Legs & feet dark brown

No. 896. Melospiza melodia (Wils.) Bd. ♀ March 24/76 H.F. 6 7/16, 8 11/16, 2 8/16, 2 10/16 Iris brown.

897 Passerella iliaca (Merrem.) Sw. ♂. March 24/76 H. F. 7 3/16, 11 8/16, 3 8/16, 3. Iris & legs brown Bill yellow at base of mandible; resedieu black

898 Passerella iliaca (Merrem.) Sw. ♀ March 24/76 H. F. 7, 10 12/16, 3 3/16, 2 10/16.

April 11, 1876.

Saw the first Kingfisher to day

April 14.

Shot a Pine-creeping Warbler & some Yellow Red-poll Warblers (Dendroica palmarum)

April 17.

I spent three days in New York, and have been ill for several days since, so I have not been able to determine the exact arrival of some birds.

I took a walk this morning and saw, for the first time, the following birds:- Field Bunting, Ruby crowned Knight, Cow-pen Bird, Yellow-rumped Warbler. The Yellow-shafted Flickers, have been abundant since I returned from New York on the 13th ws., as also have the Chippies (S. socialis)

April 20, 1876.

Saw a Yellow-rumped Warbler. and shot a Large-billed Water Thrush that was singing deliciously

The Regulus Satrapa and the R. calendula were associating together in the evergreen.

I have not seen any Hermit Thrushes yet.

April 21

I saw a Great Blue Heron at "Pell's

[illegible]" this morning, and again, in the same place this P.M. I did not get a shot either time.

The following are the new arrivals 1 Great Blue Heron, 2 Hermit Thrush, 3 Bay-winged Sparrow, 4 Swamp Sparrow, 5 White-bellied Swallow.

I saw a single Tree Sparrow, the only one I have seen for several days. The Snowbirds are still here. I have seen no Fox Sparrows for a week.

A male Yellow-bird that I shot this morning had nearly completed its spring moult.

List of Birds Seen

1 Turdus migratorius L.
4 " pallasi Cab.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
42 Certhia familiaris L.
78 Dendroica coronata (L.) Gr.
112 Tachycineta bicolor (V.) Cs.
149 Chrysomitris tristis (L.) Bp.
161 Poecetes gramineus (Gm.) Bd.
168 Melospiza palustris (Wils.) Bd.
169 " melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
177 Spizella monticola (Gm.) Bd.
178 " socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Lin.
211 Molothrus pecoris (Gm.) Sw.
221 Scolecophagus ferrugineus (Gm.) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.

252 Sayornis fuscus (Gm.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
— — — Hawk
385 Bonasa umbellus (L.) Steph.
449 Ardea herodias L.

April 22.

The White-throated Sparrow was the only new arrival.

The Gardner told me he had twice flushed a pair of birds, from a brush heap in the garden, that flew like Partridges. He showed me where they had lit, and I soon flushed them. I shot at them but a cloud of feathers was all they left behind. They were Bob-Whites (Ortyx virginianus) They were the first I have ever seen alive.

There have been several Pine creeping Warbles on the lawn in front of the house. They associated with the Yellow Red-poll Warblers, and seemed in habits quite as terrestrial. They had no note of any kind and did not jerk their tails ~~like~~ as the Red-polled Warblers constantly do. Their movements were very graceful. I shot a pine male specimen. I shot a Large-billed water Thrush in full song.

I heard a [illegible] sweet little song from the [illegible] Grafsh Finches. The Ruby-crowned Kinglets are plenty and fill the woods with their melody.

List of Birds seen April 22, 1876

1 Turdus migratorius L.
1 " Mallaei Cab.
16 Sialia sialis (L.) Haldeman.
21 Regulus calendula (L.) Licht.
12 Certhia familiaris L.
78 Dendroica coronata (L.) Sw.
90 " palmarum (Gm.) Bd.
91 " pinus (Wils.) Bd.
94 Seiurus ludovicianus (L.) Bp.
112 Sachycincta ficeiv (V.) Cs.
139 Cardinalis purpureus (Gm.) Sw.
149 Chrysomitris tristis (L.) Bp.
161 Poocetes gramineus (Gm.) Bd.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
177 Spizella monticola (Gm.) Bd.
178 " socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Lanius fuscus (Gm.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
317 Bubo virginianus (Gm.) Bp ??
339 Accipiter cooperi Bp.
385 Bonasa umbellus (L.) Step.
389 Ortyx virginianus (L.) Bp.

I heard an Owl this evening and tried to shoot it, but did not succeed. I am not sure whether it was the Barred Owl or the great-horned Owl.

No. 899 Turdus migratorius L. ♂. March 28. 1876
H. T. 9 15/16, 16 6/16, 5 4/16, 3 15/16.
Iris brown. Bill ~~olive yellow~~ all yellow
& feet dark brown

900 Cyanurus cristatus L. ♂. March 28. 1876.
11 12/16, 16 12/16, 5, 5. Iris hazel

901 Passerella iliaca (Merrem) Sw. ♂
March 27. 1876. H. T. 7 11/16, 11 14/16, 3 14/16, 3 2/16

902 Junco hyemalis (L.) Scl. ♂. March 28/76
H. T. 6 2/16, 9 8/16, 2 14/16, 2 2/16.

903 Junco hyemalis (L.) Scl. ♂ March 28/76.
H. T. 6 5/16, 10, 3 2/16, 2 13/16.

904. Ammodramus sedorum (V.) Cs. ♀ March
25. 1876. H. Falls.

905 Chrysomitris tristis (L.) Bp. ♂ March 31,
H. T. 5 5/16, 9 1/16, 2 13/16, 2.
Singing through spring moult.

906. Melospiza melodia (Wils.) Bd. ♂ Mch 31.
6 7/16, 8 14/16, 2 10/16, 2 12/16. Iris brown
Legs and feet dark brown. Bill blackish
horn-color at base of mandible.

907. Ammodramus sedorum (V.) Bd. ♂ Mch 31.
T. 11 12/16, 3 12/16, 2 6/16.

908 Colaptes ferruginous (Gm.) Sw ♀
April 15/76. H. T. Irides yellow.
9 2/16, 13 12/16, 4 3/16, 3 7/16. Feet brown-black

909 Colaptes ferruginous (Gm.) Sw. ♀.
Irides yellow. Bill black. Legs brown-black,
April 15/76. 9 5/16, 14, 4 5/16, 3 7/16.

910 Passer domesticus Linn. ♀. H. T.
April 11. Iris brown. Bill black. Legs brown
6 5/16, 9 5/16, 2 14/16, 2 5/16.

911 Dendroica palmarum (Gm.) Bd ♂
April 15. 5 2/16, 8 2/16, 2 7/16, 2 9/16,
Iris brown. Legs dark brown. Bill dusky
horn-color at base of mandible & along culmen

Measurements of Dendroica pinus

♀. April 15/76. H. F. 5 7/16, 8 10/16, 2 10/16, 2 1/16 Iris hazel. Bill dusky, yellow along edge and at base of mandible. Legs & feet yellowish brown
Was hopping on the lawn before the house.

No. 912 Molothrus pecoris (Gm.) Sw. ♂ Apr. 17. Bill and feet black. Iris brown. 7 14/16, 13 12/16, 4 7/16, 3 1/16.

913 Regulus calendula (L.) Licht. ♂ Apr 17. H. F. Iris brown. Bill black. Feet dusky brown 4 4/16, 7, 2 3/16, 1 12/16.

914 Spizella pusilla (Wils.) Bp. ♀. Apr 17. H. F. 5 9/16, 8, 2 8/16, 2 8/16.

915 Regulus calendula (L.) Licht. ♂ Apr. 18. H. F. 4 8/16, 7 3/16, 2 4/16, 1 12/16.

916 Dendroica coronata (L.) Gr. ♂ Apr 21. 5 12/16, 9 1/16, 2 14/16, 2 5/16. Iris brown

917 Melospiza palustris (Wils.) Bd. ♂ April 21/76 H. F. 5 14/16, 7 15/16, 2 6/16, 2 4/16 Iris brown. Legs & feet flesh-color. Bill, blue-black, horn-color at base of mandible

918 Poecetes gramineus (Gm.) Bd. ♀ Apr. 21 6 2/16, 10 4/16, 3 1/16, 2 6/16. Iris brown. Legs & feet light brown. Bill with Max. blkish, Mand. flesh-color.

919 Sialia sialis (L.) Haldeman ♂ Apr 21. 7, 12 5/16, 3 14/16, 2 11/16. Iris brown

920 Sayornis fuscus (Gm.) Bd. ♀. Apr. 21 6 11/16, 10 6/16, 3 4/16, 2 12/16 Iris brown

921 Certhia familiaris L. ♀ Apr. 21. 5 12/16, 8 3/16, 2 11/16, 2 12/16

922 Regulus calendula (L.) Licht. ♂ Apr 21 4 6/16, 7 2/16, 2 6/16, 1 13/16. Bill and legs black. feet yellow inside

No. 923. Turdus pallasi Cab. ♀ Apr. 21 H. F. 7, 11 6/16, 3 11/16, 2 13/16. Iris brown Legs & feet light brown. Bill black, flesh-color at base of mandible

924 Tachycineta bicolor (V.) Cs. ♂ Apr 21 6, 13 1/16, 4 13/16, 2 7/16 Iris brown. Bill black. Legs & feet brown

925 Poecetes gramineus (Gm.) Bd. ♀ Apr 21 H. Falls. 6 3/16, 10 2/16, 3 1/16, 2 6/16.

926 Regulus calendula (L.) Licht. ♂. Apr. 21. H. Falls.

927 Regulus calendula (L.) Licht. ♂ Apr 21

928 " " " " ♂ Apr 21

929 " " " " ♂ Apr. 21

930 Dendroica pinus (Wils.) Bd. ♂ Apr 22. 5 12/16, 9 2/16, 2 14/16, 2 4/16. Iris brown. Bill black. Legs & feet dusky-brown; Very gentle

931 Dendroica palmarum ♂. Apr 22. H. F. Iris brown. Bill blue-black. Legs & feet brown 5 10/16, 8 10/16, 2 11/16, 2 4/16.

932 Dendroica palmarum (Gm.) Bd ♀ Apr 22. 5 6/16, 8 2/16, 2 8/16, 2 2/16.

933 Dendroica palmarum (Gm.) Bd ♂ Apr 22. 5 5/16, 8 3/16, 2 12/16, 2 4/16.

934 Dendroica coronata (L.) Gr. ♂. Apr 22. 5 12/16, 9 4/16, 2 14/16, 2 4/16. Iris brown Bill & feet black

935 Dendroica palmarum (Gm.) Bd ♀ Apr 22. ~~5 12/16, 9 4/16, 2 14/16, 2 4/16~~ 5 8/16, 8 5/16, 2 10/16, 2 4/16

936 Seiurus ludovicianus (V.) Bp. ♂ Apr 22. 6 4/16, 10 8/16, 3 4/16, 2 3/16. Iris brown Legs, feet & base of mandible flesh-color the resedium of bill black

937 Dendroica palmarum ♀ Apr 22. 5 5/16, 8 1/16, 2 8/16, 2 1/16.

938 Turdus pallasi Cab. ♂ Apr 22/76 H. F. 7 1/16, 11 4/16, 3 8/16, 2 11/16. Iris brown Legs & feet brown. Bill fleshy at base

No 939 Fringilla pallasi Cab. ♀ April 22.
7 2/16, 11 6/16, 3 7/16, 2 4/16.

940 Corthia familiaris L. April 22.
5 6/16, 7 14/16, 2 8/16, 2 6/16. Iris brown
Legs brown Bill blue black, flesh-color below.

941 ♂ Spizella socialis (Wils.) Bp ♂ Apr 22.
5 4/16, 8 11/16, 2 12/16, 2 4/16. Iris brown
Bill black. Feet brown

942 ♂ Sayornis fuscus (Gm.) Bd ♂ April 22.
7 1/16, 11 2/16, 3 7/16, 3.

April 24.

List of Birds Seen

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
76 Dendroica coronata (L.) Sw.
94 Spizella ludoviciana (V.) Bp.
139 Carpodacus purpureus (Gm.) Bd.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus L.
211 Molothrus ater (Gm.) Sw.
225 Turdus fuscescens (Bartr.) Licht.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
279 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
355 Buteo pennsylvanicus (Wils.) Bp.

April 25, 1876.

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
42 Corthia familiaris L.
94 Spizella ludoviciana (V.) Bp.
149 Chrysomitris tristis (L.) Bp.
164 Melospiza palustris (Wils.) Bd.
169 " melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus L.
212 Agelaius phoeniceus (L.) V.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
264 Pipilo erythrophthalmus (L.) V.
252 Sayornis fuscus (Gm.) Bd.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
338 Accipiter fuscus (Gm.) Bp.
371 Zenaidura carolinensis (L.) Bp.
389 Ortyx virginianus (L.) Bp.
489 Strix pratincola Bp.

No 943. Regulus calendula (L.) Licht. ♂ April 24/76
4 8/16, 7 1/16, 2 4/16, 1 12/16.

944 Junco hyemalis (L.) Scl. ♀ April 24/76
6, 9 4/16, 2 15/16, 2 10/16. Iris brown. Legs &
feet light brown. Bill flesh-color.

945 Dendroica coronata (L.) Sw. ♂ Apr 24/76
5 10/16, 9, 2 14/16, 2 5/16, Iris brown. Bill & feet blk.

946 Melothrus pecoris (Gm.) Sw. ♂ April 24/76
7 14/16, 13 5/16, 4 5/16, 3 1/16, Iris hazel.

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No 947 Passer domesticus Linn. ♂ April 24.
6 6/16, 7 4/16, 3 1/16, 2 5/16, Iris brown
Bill black. Legs brown.
No 948 Sayornis fuscus (Gm.) Bd. ♂ April 24
6 4/16, 10 4/16, 3 6/16, 2 12/16.
949 Seiurus ludovicianus (L.) Bp. ♂
April 24/76. H. T. 6 8/16, 10 8/16, 3 4/16, 2.
950 Seiurus ludovicianus (L.) Bp ♂.
April 24, 6 3/16, 10 8/16, 3 4/16, 2.
951 Regulus satrapa Licht ♂ April 26
Length 4 8/16. Bill black. Iris brown.
Legs & feet yellowish-brown
952 Regulus calendula (L.) Licht ♂.
April 26. 4 8/16, 7 4/16, 2 5/16, 1 12/16.
Bill & feet brownish-black. Iris brown
953 Regulus calendula (L.) Licht. ♂.
4 6/16, 7 2/16, 2 4/16, 1 12/16 April 26
954 Regulus calendula (L.) Licht. ♂ April 26.
4 5/16, 7 4/16, 2 3/16, 1 12/16.

April 26, 1876.

Found a Crow's nest, from which I took five eggs; situated on the summit of a tall pine-tree.

I also found another nest (Crows) situated in the triple fork of a slender chestnut. I found the first nest on the 24th. Neither of the last two nests had contained eggs.

I found a Phoebe's nest yesterday (the 25th) situated on a huge old water-wheel attached to a mill. It was first completed.

1 Turdus migratorius L.
16 Sialia Sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
22 " Satrapa Licht.
78 Dendroica coronata (L.) Gr.
90 " palmarum (Gm.) Bd.
94 Seiurus ludovicianus (L.) Bp.
169 Melospiza melodia (Wils) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils) Bp.
228 Corvus americanus Aud.
234 Icyanurus cristatus (L.) Sw.
299 Picus pubescens L.
355 Buteo pennsylvanicus (Wils) Bp.
360 Pandion Haliaetus (L.) Savigny.
389 Ortyx virginianus (L.) Bp.

April 27, 1876.

1 Turdus migratorius L.
16 Sialia Sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
94 Seiurus ludovicianus (L.) Bp.
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
168 Melospiza palustris (Wils.) Bd.
169 " melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Linn.
211 Protonotaria prothonotarius (Gm.) Sw.
228 Corvus americanus Aud
234 Icyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
281 Ceryle alcyon (L.) Boie
299 Picus pubescens L.

312 Colaptes auratus (L.) Sw.
371 Zenaedura carolinensis (L.) Bp.
385 Sonasa umbellus (L.) Steph.
389 Ortyx virginianus (L.) Bp.
547 Sarus Sargentatus Brunn.
605 Colymbus Torquatus Brunn.?

Found a Crow's nest on the summit of a tall slender pine that would scarcely bear my weight, and was so insecurely fastened that the wind had nearly dislodged it. The eggs hanging nearly rolled out. The eggs were four. The nest was situated in Consoot Co. H.R.

The Purple Finches were feeding on the blossoms of the maple.

April 28

1 Turdus migratorius L.
16 Sialia Sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
42 Erythia familiaris L.
78 Dendroica coronata (L.) Sw.
90 " palmarum (Gm.) Bd.
94 Seiurus Ludovicianus (V.) Bp.
139 Carpodacus purpureus (Gm.) Sw.
149 Chrysomitris tristis (L.) Bp.
168 Melospiza palustris (Wils.) Bd.
169 " melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.

211 Molothrus pecoris (Gm.) Sw.
228 Corvus Americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
352 Buteo lineatus (Gm.) Jard.
355 " pennsylvanicus (Wils.) Bp.
389 Ortyx virginianus (L.) Bp.

April 29

1 Turdus migratorius L.
16 Sialia Sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
31 Agelaius phoeniceus (L.)
49 Troglodytes aedon V.
78 Dendroica coronata (L.) Sw.
90 " palmarum (Gm.) Bd.
94 Seiurus Ludovicianus (V.) Bp.
139 Carpodacus purpureus (Gm.) Sw.
149 Chrysomitris tristis (L.) Bp.
168 Melospiza palustris (Wils.) Bd.
169 " melodia (Wils.) Bd.
177 Spizella monticola (Gm.) Bd. Last noted
178 " socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
211 Molothrus pecoris (Gm.) Sw.
221 Scolecophagus ferrugineus (Gm.) Sw.
225 Quiscalus purpureus (Bartr.) Licht.
228 Corvus Americanus Aud.
252 Sayornis fuscus (Gm.) Bd.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.

352 Poliolimnatus (Hm.) Hard.
334 Sciopterus plusicus (Hm.) Bf.
371 Fulmarus carolinensis (L.) Bf.
436 Tringoides maculatus (L.) Bd.
Saw a single Horse Mare
Watched a Chickadee that seemed to be building its nest in a hollow limb, flying in and out in rapid succession

April 30.

1 Turdus migratorius L.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
78 Dendroica coronata (L.) Hr.
90 " palmarum (Hm.) Bd.
111 Hirundo horreorum Barton - First seen
112 Tachycineta bicolor (V.) Cs.
139 Calpodacus purpureus (Hm.) Hr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus pecoris (Hm.) Sw.
221 Scolecophagus ferrugineus (Hm.) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
255 Buteo pennsylvanicus (Wils.) Bp.
The Barn Swallows & Brown Thrashers were new arrivals

May 1.

1 Turdus migratorius L.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
42 Certhia familiaris L.
50 Anorthura hyemalis (Vieill.) Cs.
71 Dendroica virens (Gm.) Bd.
78 " coronata (L.) Hr.
90 " palmarum (Hm.) Bd.
94 Seiurus ludovicianus (L.) Bp.
111 Hirundo horreorum Barton
112 Tachycineta bicolor (V.) Cs.
139 Calpodacus purpureus (Hm.) Hr.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Dryomis fuscus (Hm.) Bd.
284 Icteria aldyon (L.) Bonap.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
The Black-throated Green Warbler has now arrived.
265 Antrostomus vociferus (Wils.) Bp.
Heard a Whip-poor-will's note quite near me, this evening.
389 Ortyx virginianus (L.) Bp.
There has been a pair of Bob Whites about the place for some time past I have succeeded in getting them to come near the house, & feed the

No 955 Seiurus ludovicianus (V.) Bp. ♂. H. T. April 25. 6 1/16, 10 5/16, 3 3/16, 2 2/16 Iris brown. Legs & feet flesh-color. Bill dusky, fleshy at base of mandible.

956 Melospiza palustris (Wils.) Bd. # H. T. April 25. 1876.

957 Picus pubescens L. ♂. H. T. Apr. 26.

958 Regulus calendula (L.) Licht. ♂ Apr. 26.

959 Sialia Sialis (L.) Haldeman ♀ Orange. Co. Apr. 26. 1876 / 6 12/16, 12, 3 11/16, 2 6/16.

960 Tringoides macularius (L.) Gr. ♀ Apr. 29. 7 12/16, 13 10/16, 4 5/16, 2 2/16 Iris brown Legs flesh-color. Bill fleshy at base, dusky at tip.

961 Passer domesticus L. ♀ Apr. 28/76. 6 7/16, 10 3/16, 2 15/16, 2 4/16. Iris brown. Bill dusky horn-color at base of Mand. Legs & feet dark brown

962 Dendroica palmarum (Gm.) Bd. ♂. Apr. 28. 5 8/16, 8 11/16, 2 12/16, 2 4/16, Iris brown. Legs dark brown. Bill with maxilla black — mandible dusky-brown.

963 Zenaedura carolinensis (L.) Bp. ♂ Consook. Id. Hudson River. N.Y. Apr. 29 11 13/16, 18 4/16, 6 1/16, 5 8/16. Iris hazel. Bill black. Legs & feet red.

964 Seiurus ludovicianus (V.) Bp. ♂ Apr. 29 6 8/16, 10 8/16, 3 4/16, 2 3/16. Iris brown Bill fleshy at base, rest horn-color. Legs & feet flesh-color.

965 Molothrus pecoris ♂ Apr. 29. 1876 7 12/16, 13 8/16, 4 5/16, 3. Iris brown. Bill & feet black

966 Melospiza palustris (Wils.) Bd ♂ 6 1/16, 8 5/16, 2 7/16, 2 6/16 Iris brown Legs & feet brown. Bill blue-black, Apr. 29.

967 Melospiza palustris (Wils.) Bd. ♂ Apr. 29 Consook Id. Hudson River N. York. 6 3/16, 8 4/16, 2 7/16, 2 6/16.

No. 968 Dendroica coronata (L.) Gr. ♂. Apr 29/76. 5 12/16, 9, 2 13/16, 2 4/16. Iris dark.

969 Dendroica coronata (L.) Gr. ♂. Apr 29/76, 5 11/16, 9, 2 12/16, 2 4/16. Iris brown

970 Dendroica coronata (L.) Gr. ♂ Apr 29/76 5 13/16 9 1/16 2 13/16, 2 4/16 Iris brown

Mayo 2.

1 Turdus migratorius L.
4 " pallasi Cab.
16 Sialia Sialis (L.) Haldeman.
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
42 Certhia familiaris L.
49 Troglodytes aedon V.
78 Dendroica coronata (L.) Gr.
94 Seiurus ludovicianus (V.) Bp.
111 Hirundo horreorum Barton.
112 Tachycineta bicolor (V.) Cs.
114 Petrochelidon lunifrons (Say). Cab. — First sum
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
168 Melospiza palustris (Wils.) Bd.
169 " " (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus pecoris (Gm.) Sw.
212 Agelaeus phoeniceus (L.) V.
221 Scolecophagus ferrugineus (Gm.) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus L. Sw.
252 Sayornis fuscus (Gm.) Bd.
286 Ceryle alcyon (L.) Boie.

299 Ovis pubescens L.
312 Colaptes auratus (L.) Stv.
338 Accipiter fuscus (Gm.) Bp.
339 " Cooperi Bp.
251 Buteo borealis (Gm.) V.
252 " lineatus (Gm.) Jard ?
255 " pennsylvanicus (Wils.) Bp.
285 Bonasa umbellus (L.) Steph.
289 Ortyx virginianus (L.) Bp.

May 3.

390 Anthus [illegible] pratensis (Linn.) (Bonaparte) L. C. M.
1 Turdus migratorius L.
4 " pallasi Cab.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
42 Certhia familiaris L.
49 Troglodytes aedon V.
57 Miniotilta varia (L.) V. (Newly arrived)
78 Dendroica coronata (L.) Sv.
90 " palmarum (Gm.) Bd.
94 Seiurus ludovicianus (V.) Bp.
100 Icteria virens (L.) Bd. ? (First seen)
111 Hirundo horreorum Barton
112 Tachycineta bicolor (V.) Cas.
139 Carpodacus purpureus (Gm.) Sc.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus (Linn.)
204 Pipilo erythrophthalmus (L.) V.

211 Molothrus pecoris (Gm.) Stv.
221 Scolecophagus ferrugineus (Gm.) Stv.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Stv.
252 Sayornis fuscus (Gm.) Bd.
265 Antrostomus vociferus (Wils.) Bp.
286 Ceryle alcyon (L.) Boie.
299 Ozius pubescens L.
312 Colaptes auratus (L.) Stv.
338 Accipiter fuscus (Gm.) Bp.
355 Bytes pennsylvanicus (Wils.) Bp.
357 Strix virescens L. (First seen)
Nos 57, 100 & 357 were newly arrived.

May 5.

1 Turdus migratorius L.
6 " fuscescens Steph. (First seen)
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Miniotilta varia (L.) V.
58 Parula americana (L.) Bp. (First seen)
78 Dendroica coronata (L.) Sv.
90 " palmarum (Gm.) Bd.
92 Seiurus aurocapillus (L.) Sw. (First seen)
93 " noveboracensis (Gm.) Nutt.
94 " ludovicianus (V.) Bp.
104 Setophaga ruticilla (L.) Stv. (First seen)
111 Hirundo horreorum Barton
139 Carpodacus purpureus (Gm.) Sc.
149 Chrysomitris tristis (L.) Bp.
168 Melospiza palustris (Wils.) Bd.
169 " melodia (Wils.) Bd.
174 Junco hyemalis (L.) Sc.
178 Spizella socialis (Wils.) Bp.

179 Spizella pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
228 Corvus americanus And.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
265 Antrostomus vociferus (Wils.) Bp.
286 Ceryle alcyon (L.) Bovi.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
355 Buteo pennsylvanicus (Wils.) Bp.
385 Bonasa umbellus (L.) Steph.
436 Tringoides macularius (L.) Gr.
457 Ardea virescens L.

Of the above, No's 6, 58, 92, & 104, were new arrivals.

The Turdus fuscescens Steph. was the first and only one I have ever found here.

May 6.

1 Turdus migratorius L.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
71 Dendroica virens (Gm.) Bd.
78 " coronata (L.) Gr.
90 " palmarum (Gm.) Bd.
67 Helminthophaga ruficapilla (Wils.) Bd. (First seen)
111 Hirundo horreorum Barton.
139 Carpodacus purpureus (Gm.) Gr.
169. Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.

179 Spizella pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus L.
204 Pipilo erythrophthalmus (L.) V.
228 Corvus americanus And.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph. First seen.
275 Trochilus colubris L. First seen
286 Ceryle alcyon (L.) Bovi.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
338 Accipiter fuscus (Gm.) Bp.
Hawk.

The Helminthophaga ruficapilla, Chaetura pelasgia, and Trochilus colubris, were newly arrived. (Nos 67, 271, & 275.)

May 7.

1 Turdus migratorius L.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga ruficapilla (Wils.) Bd.
78 Dendroica coronata (L.) Gr.
111 Hirundo horreorum Barton.
125 Vireo gilvus (V.) Bp. (First seen)
139 Carpodacus purpureus (Gm.) Gr.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Zonotrichia albicollis Passer domesticus L.

204 Pipilo erythrophthalmus (L.) V.
211 Molothrus pecoris (Gm.) Sw.
215 Icterus spurius (L.) Bp. (First seen)
216 " Baltimore (L.) Dandin (First seen)
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 ~~Tyrannus carolinensis~~ Sayornis fuscus (Gm.) Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
Nos. 125, 215, & 216 were newly arrived.

May 8.

1 Turdus migratorius L.
3 " mustelinus Gm. (First seen)
6 " fuscescens Steph.
9 Minus Carolinensis (L.) Gr. (First seen)
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga ruficapilla (Wils.) Bd.
71 Dendroica virens (Gm.) Bd.
78 " coronata (L.) Gr.
92 Seiurus auricapillus (L.) Sw.
97 Geothlypis trichas (L.) Cab. (First seen)
101 Myiodioctes mitratus (Gm.) Aud. (First seen)
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton.
125 Vireo gilvus (V.) Bp.
126 " flavifrons V. (First seen)
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.

178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
204 Pipilo erythrophthalmus (L.) V.
211 Molothrus pecoris (Gm.) Sw.
212 Agelaeus phoeniceus (L.) V.
215 Icterus spurius (L.) Bp.
216 " Baltimore (L.) Dandin
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus Carolinensis (L.) Bd. (First seen)
252 Sayornis fuscus (Gm.) Bd.
258 Empidonax minimus Bd. (First seen)
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
389 Ortyx virginianus (L.) Bp.
Nos. 3, 9, 97, 101, 126, 242, & 258 were new arrivals.

May 9.

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " Swainsoni Cab. (First seen)
6 " fuscescens L.
9 Minus Carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
60 Helmitherus vermivorus (Gm.) Bp. (First seen)
67 Helminthophaga ruficapilla (Wils.) Bd.
71 Dendroica virens (Gm.) Bd.

76 Dendroica caerulescens (L.) Bd. (First seen)
78 " coronata (L.) Gr.
80 " blackburniae (Gm.) Bd. (First seen)
83 " Pennsylvanica (L.) Bd. (First seen)
92 Seiurus auricapillus (L.) Sw.
97 Geothlypis trichas (L.) Cab.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton
127 Vireo solitarius (Wils.) V. (First seen)
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus L.
204 Pipilo erythrophthalmus (L.) V.
212 Agelaeus phoeniceus (L.) V.
216 Icterus Baltimore (L.) Dandin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus Carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Bonasa umbellus (L.) Steph.
Nos 5, 60, 76, 80, 83, 127 were newly arrived

May 10

1 Turdus migratorius L.
3 Turdus mustelinus Gm.
5 " Swainsoni Cab.
9 Minus Carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Huldeman.

21 Regulus calendula (L.) Licht.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga ruficapilla (Wils.) Bd.
71 Dendroica virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Gr.
83 " Pennsylvanica (L.) Bd.
92 Seiurus aurocapillus (L.) Sw.
93 " noveboracensis (Gm.) Nutt.
97 Geothlypis trichas (L.) Cab.
104 Setophaga ruticilla (L.) Sw.
101 Myiodioctes mitratus (Gm.) Aud.
111 Hirundo horreorum Barton.
127 Vireo solitarius (Wils.) V.
139 Carpodacus purpureus (Gm.) Gr.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
204 Pipilo erythrophthalmus (L.) V.
212 Agelaeus phoeniceus (L.) V.
215 Icterus Spurius (L.) Bp.
216 " Baltimore (L.) Dandin.
221 Scolecophagus ferrugineus (Gm.) Sw.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
252 Sayornis fuscus (Gm.) Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
339 Accipiter Cooperi Bp.
385 Bonasa umbellus (L.) Steph.
436 Fringoides macularius (L.) Gr.

I found a nest of the Accipiter Cooperi Bp. this A.M., before breakfast. The nest was situated in the double fork of a very tall chestnut-tree, base of limbs. to the place where the nest was situated.

Having found the nest, to make sure whether it was occupied or not, I fired charge of fine shot into the bottom of it, when the parent bird flew swiftly away, and did not return.

In the P.M. I went to the nest again, and shouted and made a good deal of noise. After a while the bird arose and looked over the side of the nest, and then replaced herself on it, but a moment after she flew swiftly away. I fired after her, and several shots struck her, one in the breast, and two in the head: She streched her legs away down and raised her wings up to beat them very fast, flying slowly in a wide circle, high up. She came around to near the nest, and then dropped. She was not very much hurt but did not make any display of courage.

I climbed to the nest, that was quite bulky, and composed of sticks, all of which were small. There was not a feather in the nest, and no pretense of a lining except a few pieces of white-oak bark. The depression was not great. The height of the nest was about fifty (50) ft.

The eggs, which were quite fresh, were four in number; white, with a strong greenish tinge, and a few light stains of brown on two of them, hardly perceptible.

There was but one parent bird about the [illegible] nest, and that one uttered not a single note of any kind.

May 11.

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " Swainsoni Cab
7 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
21 Regulus calendula (L.) Licht.
31 Panis atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
67 Helminthophaga ruficapilla (Wils.) Bd.
71 Dendroica virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Gr.
83 " Pennsylvanica (L.) Bd.
92 Seiurus auricapillus (L.) Sw.
94 " ludovicianus (V.) Bp.
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
111 Hirundo horreorum Barton
114 Petrochelidon lunifrons (Say.) Cab (Hirst Sem)
127 Vireo solitarius (Wils.) V.
139 Carpodacus purpureus (Gm.) Gr.
149 Chrysomitris tristis (L.) Bp.
168 Melospiza palustris (Wils.) Bd.
169 " melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.

179 Spizella pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus L.
193 Goniaphea ludovicianus (L.) Boudich.
204 Pipilo erythrophthalmus (L.) V.
216 Icterus Baltimore (L.) Dandin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus Carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
299 Picus pubescens L.
302 Sphyrapicus varius (L.) Bd.
312 Colaptes auratus (L.) Sw.
371 Zenaedura Carolinensis (L.) Bp.
385 Bonasa umbellus (L.) Steph.
389 Ortyx virginianus (L.) Bp.

Number 114. (Petrochelidon lunifrons); was seen to day for the first time.

I found a pair of the Perus atricapillus building their nest in a tree situate in a swamp. The old birds were collecting materials for the lining. They gathered a sort of cottony fuzz that grew on the ~~stalks~~ stems of some tall ferns: they began at the base and ascended to the very tip which often bent down to the water or ground with them. In this way they would gather a bunch as large as a hickory nut in their bills at once before depositing it. Both birds were at work at once.

Early this morning, while I was watching the motions of some Water Thrushes, over a brook, at the bottom of a ravine, a bright red bird flew close over my head, and, as I turned hastily, I just caught a glimpse of it, as it flew down the ravine. It must have been either the Pyranga aestiva (L.) V. or the Cardinalis virginianus (Brisson.) Bp. I think it was the former, as I could not see either the black throat, or the crest, of the latter. It had a single sharp note, which would recognize if I heard it again. I am sure it was not the Pyranga rubra.
(It must have been the Cardinalis virginianus (Jan. 1878) E. A. Mearns)

I visited the Salt-marsh this A. M. I did not see or hear anything of the Marsh Wrens, yet.

May 12.

Labels of Skins

No. 971 Turdus swainsoni Cab. ♂ May 9. H. F. 7 4/16, 12 4/16, 4 1/16, 2 15/16. Iris dark brown. Bill black, fleshy at base of mandible. Legs & feet fleshy-brown.

972 Turdus Swainsoni Cab. ♂. May 9. H. F. 7 3/16 12 1/16, 3 15/16, 2 14/16. Iris dark. Legs fleshy brown. Bill black, horn-color at base.

973. Tringoides macularius (L.) Gr. ♀ May 10. H. F. 8 5/16, 14, 4 7/16, 2 5/16. Iris brown. Bill fleshy-tipped black. Legs & feet bluish flesh-color.

974. Helminthophaga ruficapilla (Wils.) Bd. ♂. May 10. H. F. 4 12/16, 7 8/16, 2 5/16, 1 12/16.

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No. 975. Dendroica virens (Gm.) Bd. ♀ May 10. H.E. 4 15/16, 7 4/16, 2 5/16, 1 4/16. Iris dark brown. Bill & feet black. Legs & feet very dark brown.

976 Dendroica pennsylvanica (L.) Bd. ♀ May 10. H. E. 5, 7 13/16, 2 6/16, 1 15/16. Iris brown. Bill blue black. Legs and feet lead-color.

977 Vireo solitarius (Wils.) V. ♀ May 10. H. Falls. 5 8/16, 7 5/16, 2 15/16, 2 3/16. Irides hazel. Bill and feet lead-color.

978 Myiodioctes mitratus (Gm.) Aud. ♀ May 10. H. E. 5 13/16, 8 5/16, 2 9/16, 2 6/16. Iris brown. Bill blue-black. Legs & feet flesh-color.

979 Dendroica virens (Gm.) Bd. ♂ May 10. 5 3/16, 8 1/16, 2 10/16, 2 1/16.

980 Dendroica coronata (L.) Gr. ♀ May 10. 5 7/16, 8 7/16, 2 9/16, 2 3/16.

981 Mniotilta varia (L.) V. ♂ May 10 H. E. 5 5/16, 8 7/16, 2 13/16, 2.

982 Regulus calendula (L.) Licht. ♀ May 11 H. E. 4 12/16, 6 7/16, 2 2/16, 1 10/16.

List of Birds Seen

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " Swainsoni Cab.
6 " fuscescens Steph.
9 Minus Carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia Sialis (L.) Haldeman.
21 Regulus calendula (L.) Licht. ?
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Sp.
60 Helmitheros vermivorus (Gm.) Bp.
67 Helminthophaga rufricapilla (Wils.) Bd.

70 Dendroica aestiva (Gm.) Bd. (First seen)
71 " virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Gr.
80 " blackburniae (Gm.) Bd.
83 " Pennsylvanica (L.) Bd.
92 Seiurus auricapillus (L.) Sw.
9— Seiurus ——
97 Oesthlypis trichas (L.) Cab.
101 Myiodioctes mitratus (Gm.) & Aud.
104 Ictophaga ruticilla (L.) Sw.
107 Granatellus rubra (L.) V. — First seen.
111 Molothrus bonariensis Baird.
114 Petrochelidon lunifrons (Say) Cab.
126 Vireo flavifrons V.
127 " Solitarius (Wils.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella Socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus L.
204 Ictilo erythrophthalmus (L.) V.
216 Sclerus Baltimore (L.) Dandin.
224 Corvus americanus Aud.
231 Cyanurus cristatus (L.) Sw.
242 Agrammus Carolinensis (L.) Bd.
249 Sayornis fuscus (Gm.) Bd.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
299 Picus pubescens L.
385 Bonasa umbellus (L.) Steph.
436 Tringoides maculatus (L.) Sw.

No 70 was the only new arrival. There were large straggling flocks of the Vireo flavifrons V. in the woods.

May 1st, 1876.

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " Swainsoni Cab
6 " fuscescens Stephs.
9 Minius Carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
60 Helmitherus vermivorus (Gm.) Bp.
67 Helminthophaga rubricapilla (Wils.) Bd.
71 Dendroica virens (Gm.) Bd.
" caerulescens (L.) Bd.
" coronata (L.) Gr.
" blackburniae (Gm.) Bd.
" pennsylvanica (L.) Bd.
92 Seiurus aurocapillus (L.) Sw.
93 " noveboracensis (Gm.) Nutt.
94 " ludovicianus (L.) Bp.
97 Geothlypis trichas (L.) Cab.
101 Myiodioctes mitratus (Gm.) Aud.
104 Setophaga ruticilla (L.) Sw.
111 Icterus spurius (L.) Bp.
112 Dolichonyx oryzivorus (L.) Sw.
114 Petrochelidon lunifrons (Say.) Cab.
126 Vireo flavifrons V.
127 " solitarius (Wils.) V.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus L.
193 Spiza americana (L.) Bonaparte.
204 Pipilo erythrophthalmus (L.) V.

212 Agelaeus phoeniceus (L.) V.
215 Icterus spurius (L.) Bp.
216 " Baltimore (L.) Daudin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus Carolinensis (L.) Bd.
247 Myiarchus crinitus (L.) Cab.
252 Sayornis fuscus (Gm.) Bd.
258 Empidonax minimus Bd.
265 Ectrostomus vociferus (Wils.) Sp.
271 Chaetura pelasgia (L.) Stephs.
286 Ceryle alcyon (L.) Boie.
299 Picus pubescens L.
355 Buteo Pennsylvanicus (Wils.) Bp.
385 Bonasa umbellus (L.) Stephs.

I have seen none of the Dendroica maculosa this Spring.

The Dendroica blackburniae have not been very rare. I have obtained three.

The Helmitherus vermivorus are not scarce. They frequent the ground and often alight on the sides of tree trunks. They have a single sharp note.

The Dendroica caerulescens have been very common for some time (the males) but I saw the first females to-day. They have the flycatchery habit of flying in short circles and often alight on the sides of tree trunks. They are equally at home on the highest tree-top or on the ground.

The D. pennsylvanica & D. virens have been very common & plenty.

There have been very large flights of the Vireos, flavifrons & solitarius for days past.

I have see but two Pyranga rubra

1876

May 16.

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " Swainsoni Cab.
6 " fuscescens Steph.
9 Mimus Carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
60 Helmitherus vermivorus (Gm.) Bp.
69 Helminthophaga ruficapilla (Wils.) Bd.
71 Dendroica virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Gr.
80 " blackburniae (Gm.) Bd.
82 " castanea (Wils.) Bd. (First seen)
83 " Pennsylvanica (L.) Bd.
84 " maculosa (Gm.) Bd. (First seen)
92 Seiurus auricapillus (L.) Sw.
9– Seiurus ——
97 Geothlypis trichas (L.) Cab.
101 Myiodioctes mitratus (Gm.) Aud.
103 " Canadensis (L.) Aud. (First seen)
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton.
122 Vireo olivaceous (L.) V. (First seen)
127 " solitarius (Wils.) V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
193 Goniaphea ludovicianus (L.) Bowdich.
104 Pipilo erythrophthalmus (L.) V.

215 Icterus spurius (L.) Bp.
216 Icterus Baltimore (L.) Dandin.
228 Corvus americanus Aud.
242 Tyrannus Carolinensis (L.) Bd.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
291 Coccygus americanus (L.) Bp.
312 Colaptes auratus (L.) Sw.
385 Bonasa umbellus (L.) Steph.
436 Tringoides macularius (L.) Gr.

No's 82, 84, 103, & 122, were newly arrived. The Coccygus americanus (L.) Bp. (No 291) was heard for the first on Sunday the 14th.

I saw a single Dendroica castanea (L.) Gr. which I shot.

The Dendroica maculosa were first seen to-day. The frequented the hemlocks even more exclusively than the Dendroica virens.

The Myiodioctes Canadensis were very common about a swampy brook.

The females of the Dendroicas, virens, caerulescens, & Pennsylvanicus are now as abundant as the males.

The D. coronatas seen to day were all females.

Found a just finished nest of the Spizella pusilla (Wils.) Bp. in a Cedar bush.

The Turdus Swainsoni Cab were not nearly so numerous to day as they were on Saturday (13th.)

May 17.

1 Turdus migratorius L.
3 " mustelinus Gm
5 " Swainsoni Cab
6 " fuscescens Steph
9 Minus Carolinensis (L.) Bp.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Baldemann
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
60 Helminthophaga rubricapilla (Wils.) Bd.
67 Helmitheros vermivorus (Gm.) Bp.
71 Dendroica aestiva (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Gr.
80 " Blackburniae (Gm.) Bd.
83 " Pennsylvanica (L.) Bd.
84 " maculosa (Gm.) Bd.
92 Seiurus aurocapillus (L.) Sw.
94 Seiurus ———
97 Geothlypis trichas (L.) Cab.
101 Myiodioctes mitratus (Gm.) And
103 " Canadensis (L.) And
104 Setophaga ruticilla (L.) Sw.
111 Icterus bonariensis Baird
122 Vireo olivaceus (L.) V.
126 " flavifrons V.
127 " solitarius (Wils.) V.
129 " noveboracensis (Gm.) V. (First sum)
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
(187) Passer domesticus Linn
204 Pipilo erythrophthalmus (L.) V.

215 Icterus spurius (L.) Bp.
216 " Baltimore (L.) Daudin
228 Corvus americanus Aud.
252 Sayornis fuscus (Gm.) Bd
258 Empidonax minimus Bd
271 Chaetura pelasgia (L.) Steph.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
457 Ardea virescens L.

The Vireo noveboracensis was the only arrival since yesterday

The D. Blackburniae were common constantly alighting on the ground where the often remained a long time

The D maculosa have also observed frequenting the ground, and young even greens.

May 18.

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " Swainsoni Cab.
6 " fuscescens Steph.
9 Minus carolinensis (L.) Bp.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Baldemann.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga rubricapilla (Wils.) Bd.
70 Dendroica aestiva (Gm.) Bd.
71 " virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Gr.
80 " Blackburniae (Gm.) Bd.
83 " Pennsylvanica (L.) Bd.
84 " maculosa (Gm.) Bd.

92 Seiurus auricapillus (L.) Sw.
94 " ludovicianus (V.) Bp.
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm.) Aud.
103 " Canadensis (L.) Aud.
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton
122 Vireo olivaceous (L.) V.
125 " gilvus (V.) Bp.
126 " flavifrons V.
127 " solitarius (Wils.) V.
129 " noveboracensis (Gm.) Bp.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
204 Pipilo erythrophthalmus (L.) V.
216 Icterus Baltimore (L.) Dandin
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Bonasa umbellus (L.) Steph.
457 Ardea virescens L.

I have not seen a single bird of Cyanospiza cyanea, this year. The Myiodioctes Canadensis rather abundant.

May 19.

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " Swainsoni Cab.
6 " fuscescens Steph.
9 Mimus Carolinensis (L.) Sw.
10 Harporhynchus rufus (L.) Cab.
16 Sialia Sialis (L.) Haldeman.
31 Parus atricapillus (L.) Sw.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
51 Helmatodytes palustris (Wils.) Cab
67 Helminthophaga ruficapilla (Wils.) Bd.
71 Dendroica virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Sw.
80 " blackburniae (Gm.) Bd.
83 " Pennsylvanica (L.) Bd.
84 " maculosa (Gm.) Bd.
92 Seiurus auricapillus (L.) Sw.
93 " noveboracensis (Gm.) Nutt.
94 " ludovicianus (V.) Bp.
97 Geothlypis trichas (L.) Cab.
101 Myiodioctes mitratus (Gm.) Aud.
103 " Canadensis (L.) Aud.
104 Setophaga ruticilla (L.) Sw
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton.
122 Vireo olivaceous (L.) V.
125 " gilvus (V.) Bp.
126 " flavifrons V.
127 " solitarius (Wils.) V.
129 " noveboracensis (Gm.) Bp.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.

179 Spizella pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
193 Goniaphea ludoviciana (L.) Bowdich
204 Pipilo erythrophthalmus (L.) V.
212 Agelaeus phoeniceus (L.) V.
216 Icterus Baltimore (L.) Dandin
228 Corvus americanus Aud.
242 Tyrannus Carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
352 Buteo lineatus (Gm.) Jord?
435 Totanus solitarius Wils.

May 20

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " Swainsoni Cab.
9 Mimus Carolinensis (L.) Gm.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga ruficapilla (Wils.) Bd.
71 Dendroica virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Gm.
80 " blackburniae (Gm.) Bd.
82 " castanea (Wils.) Bd.

84 Dendroica maculosa (Gm.) Bd.
83 Dendroica pennsylvanica (L.) Bd.
92 Seiurus auricapillus (L.) Sw.
94 " ludovicianus (V.) Bp.
97 Geothlypis trichas (L.) Cab.
101 Myiodioctes mitratus (Gm.) Aud.
103 " Canadensis (L.) Aud.
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton.
114 Petrochelidon lunifrons (Say.) Cab.
122 Vireo olivaceous (L.) V.
126 " flavifrons V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
194 Goniaphea ludoviciana (L.) Bowdich
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
216 Icterus Baltimore (L.) Dandin.
228 Corvus americanus Aud.
242 Tyrannus Carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
258 Empidonax minimus Bd.
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Steph.
275 Trochilus colubris L.
286 Ceryle alcyon (L.) Bore
290 Coccyzus erythrophthalmus (Wils.) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Bonasa umbellus (L.) Steph.

The Dendroica castanea were very abundant. I shot eight of them.

May 22.

1 Turdus migratorius L.
3 " mustelinus Gm.
5a. " Aliciae (Bd.) Cs.
9 Mimus Carolinensis (L.) Gr.
10 Harporhyncus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
67 Helminthophaga ruficapilla (Wils.) Bd.
71 Dendroica virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) Gr.
80 " blackburniae (Gm.) Bd.
82 " castanea (Wils.) Bd.
83 " pennsylvanica (L.) Bd.
84 " maculosa (Gm.) Bd.
92 Seiurus auricapillus (L.) Sw.
94 " ludovicianus (V.) Bp.
97 Geothlypis trichas (L.) Cab.
101 Myiodioctes mitratus (Gm.) And.
103 " Canadensis (L.) And.
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton
122 Vireo olivaceous (L.) V.
125 " ~~flavifrons~~ gilvus (V.) Bp.
126 " flavifrons V.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
178 Spizella socialis (Wils.) Bp.
179 " pusilla (Wils.) Bp.
182 Zonotrichia albicollis (Gm.) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L.) Bd.
204. Pipilo erythrophthalmus (L.) V.

216 Icterus blattimore (L.) Dandin.
228 Corvus americanus And.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus Carolinensis (L.) Bd.
252 Sayornis fuscus (Gm.) Bd.
255 Contopus virens (L.) Cab.
25— Empidonax ——— —?
258 " minimus
265 Antrostomus vociferus (Wils.) Bp.
271 Chaetura pelasgia (L.) Stephens
290 Coccyzus erythrophthalmus (L.) V.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Bonasa umbellera (L.) Stephens

The Dendroica castanea were very plenty. I shot one female.

I also saw a large gray Hawk.

May 23.

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " Swainsoni Cab. — common.
5a. " Aliciae (Bd.) Cs.?
6 " fuscescens. Steph.
9 Mimus carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman.
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
58 Parula americana (L.) Bp.
60 Helmitherus vermivorus (Gm.) Bp.
68 Helminthophaga ruficapilla (Wils.) Bd.
71 Dendroica virens (Gm.) Bd.
76 " caerulescens (L.) Bd.
78 " coronata (L.) ~~Bd.~~ Gr.
80 " blackburniae (Gm.) Bd. Abundant

81 Dendroica striata (Forst.) Bd. Abundant
82 " castanea (Wils) Bd. Abundant.
83 " pennsylvanica (L.) Bd.
84 " maculosa (Gm) Bd.
92 Seiurus auricapillus (L.) Sw.
94 " ludovicianus (V.) Bp.
97 Geothlypis trichas (L.) Cab.
100 Icteria virens (L.) Bd.
101 Myiodioctes mitratus (Gm) Aud.
103 " Canadensis (L.) Aud. Abundant
104 Setophaga ruticilla (L.) Sw.
107 Pyranga rubra (L.) V.
111 Hirundo horreorum Barton.
114 Petrochelidon lunifrons (Say) Cab.
122 Vireo olivaceous (L.) V.
126 " flavifrons V.
127 " solitarius (Wils) V.
149 Chrysomitris tristis (L.) Bp.
168 Melospiza palustris (Wils) Bd.
169 " melodia (Wils) Bd.
178 Spizella socialis (Wils) Bp.
179 " pusilla (Wils) Bp.
182 Zonotrichia albicollis (Gm) Bp.
183 " leucocophrys (Forst.) Sw.
(187) Passer domesticus Lin.
193 Goniaphea ludoviciana (L.) Bourdich
199 Cyanospiza cyanea (L.) Bd.
204 Pipilo erythrophthalmus (L.) V.
210 Dolichonyx oryzivorus (L.) Sw.
212 Agelaeus phoeniceus (L.) V.
215 Icterus spurius (L.) Bp.
216 " Baltimore (L.) Dandin.
228 Corvus americanus Aud.
234 Cyanurus cristatus (L.) Sw.
242 Tyrannus Carolinensis (L.) Bd.
252 Sayornis fuscus (Gm) Bd.
255 Contopis virens (L.) Cab.

25 - Empidonax
258 " minimus Bd.
259 " flaviventris Bd.
265 Antrostomus vociferus (Wils) Bp.
271 Chaetura pelasgia (L.) Steph.
290 Coccyzus erythrophthalmus (L.) V.
299 Picus pubescens L.
312 Colaptes auratus (L.) Sw.
385 Bonasa umbellus (L.) Steph.
412 Philohela minor (Gm) Gr. Moulting
436 Tringoides macularius (L.) Gr.

The two specimens of the Zonotrichia leucocophrys (Forst.) Sw. were the first I have ever seen alive. They were sitting on a fence in front of a farm-house and afterwards flew across a garden patch and alighted on some currant bushes, where one was shot, and the other afterwards obtained on a rock, in the garden.

May 25.

1 Turdus migratorius L.
3 " mustelinus Gm.
5 " swainsoni Cab.
5a " aliciae (Bd.) Cs.
6 " fuscescens Steph.
9 Mimus Carolinensis (L.) Gr.
10 Harporhynchus rufus (L.) Cab.
16 Sialia sialis (L.) Haldeman
49 Troglodytes aedon V.
57 Mniotilta varia (L.) V.
80 Dendroica blackburniae (Gm) Bd.
81 " striata (Forst.) Bd.
82 " castanea (Wils) Bd.
83 " pennsylvanica (L.) Bd.
84 " maculosa (Gm) Bd.
92 Seiurus auricapillus (L.) Sw.

93 Seiurus noveboracensis (Gm) Nutt.
94 " hudsonicus (V.) Bp.
103 Myiodioctes Canadensis (L) Aud.
104 Setophaga ruticilla (L) Sw.
105 Icteria virens (L) B.
111 Hirundo horreorum Bartram
122 Vireo olivaceus (L) V.
149 Chrysomitris tristis (L) Bp.
169 Melospiza melodia (Wils) Bd.
178 Spizella socialis (Wils) Ch.
179 " passerina (Wils) Bp.
(187) Passer domesticus Linn.
199 Cyanospiza cyanea (L) Bd.
204 Pipilo erythrophthalmus (L) V.
215 Icterus spurius (L) Bp.
216 Icterus Baltimore (L) Dandin
228 Corvus americanus Aud.
242 Tyrannus Carolinensis
252 Sayornis fuscus (Gm) Bd.
253 Contopus borealis (Sw) Bd.
255 Contopus virens (L) Coo.
258 Empidonax minimus Bd
" flaviventris Bd.
260 Antrostomus vociferus (Wils) Bp.
271 Ectopistes migratoria (L) Steph.
280 Coccyzus erythrophthalmus (L) V.
283 Picus pubescens Linn.
312 Falco cyaneus (L) Steph.

I saw the Gray Hawk again: It seems to be about half-albino. It has been about the woods for several weeks.

The evening was living in my hammock (about ten P.M.) when I heard the song of the Spizella socialis Coccyzus erythrophthalmus, Antrostomus vociferus, and the hooting of an Owl

Birds seen May 26, 27, & 28.

1 Turdus migratorius (L)
3 " mustelinus Gm.
5 " fuscescens Cab.
5a " aliciae
9 Mimus carolinensis (L) Ch.
10 Harporhynchus rufus (L) Cab.
16 Sialia sialis (L) Haldeman
31 Parus atricapillus L.
49 Troglodytes aedon V.
57 Mniotilta varia (L) V.
58 Parula americana (L) Bp.
71 Helmitherophaga Dendroica virens (Gm) Bd.
80 Dendroica Blackburniae (Gm) Bd.
81 Dendroica striata (Forst) Bd.
82 Dendroica castanea (Wils.) Bd.
83 Dendroica pensylvanica (L) Bd.
84 Dendroica maculosa (Gm) Bd.
92 Seiurus aurocapillus (L) Sw.
93 Seiurus noveboracensis (Gm) Nutt.
94 Seiurus hudsonicus (L) Bp.
97 Geothlypis trichas (L) Cab.
98 Geothlypis philadelphia (Wils) Bd.
100 Icteria virens (L) Bd.
101 Myiodioctes mitratus (Gm) Aud.
103 Myiodioctes Canadensis (L) Aud.
104 Setophaga ruticilla (L) Sw.
105 Icteria virens (L) B.
111 Hirundo horreorum Bartram
114 Vilrochelidon bicolor (Vieill) Cab.
119 Ampelis cedrorum (L) Bd.
122 Vireo olivaceus (L) V.
126 Vireo flavifrons (L) V.
149 Chrysomitris tristis (L) Bp.
169 Melospiza melodia (Wils) Bd.
178 Spizella socialis (Wils) Ch.
179 Spizella pusilla (Wils) Bp.

182 Zonotrichia albicollis (Gm) Bp.
(187) Pusser domesticus Linn.
199 Cyanospiza cyanea (L) Bd.
204 Pipilo erythrophthalmus (L) V.
215 Icterus spurius (L) Bp.
216 " baltimore (L) Dandin
228 Corvus americanus And.
242 Tyrannus carolinensis (L) Bd.
252 Sayornis fuscus (Gm) Bd.
253 Contopus borealis (Sw.) Bd.
255 " virens (L) Cab.
25 Empidonax
258 " minimus Bd.
259 " flaviventris Bd. [Late date?]
265 Antrostomus vociferus (Wils) Bp.
271 Chaetura pelasgia (L) Steph.
275 Trochilus colubris L.
290 Coccyzus erythrophthalmus (Wils) Bd.
299 Picus pubescens L.
312 Colaptes auratus (L) Sw.
385 Bonasa umbellus (L) Steph.
436 Tringoides macularius (L) Sw.
457 Ardea virescens L.

May 29

Found the nest of the Parus atricapillus & situated in a hole in button-ball tree, in the middle of a large brook. The eggs were seven (7) but were too hard & at upon to be blown.

May 30

Found the nest of the Picus pubescens L. containing five (5) Eggs, pure white and hard & at upon.

No. 983 Myiodioctes Canadensis (L) Aud. ♂ May 22
H. F. 5 9/16, 8 1/16, 2 9/16, 2 4/16.
Iris brown. Bill with maxilla blackish, mandible flesh-color. Legs & feet flesh-color.
984. Dendroica maculosa (Gm) Bd. ♂. May 28.
5 4/16, 7 9/16, 2 7/16, 2.
985. Dendroica blackburniae (Gm) Bd. ♂ May 17/76
H. F. 5 4/16 8 6/16, 2 11/16, 1 15/16.
Iris brown. Legs & feet dark brown. Bill black shading into horn-color at base of mandible and on culmen.
986 Myiodioctes Canadensis (L) Aud. ♂. May 22.
H. F. 5 12/16, 8 1/16, 2 8/16, 2 4/16.
Iris brown. Bill with maxilla blackish, mandible fleshy. Legs & feet flesh-color.
987 Myiodioctes Canadensis (L) Aud. Fad. May 22.
H. F. 5 9/16, 8 1/16, 2 9/16, 2 4/16.
Iris brown. Bill with maxilla blackish, mandible fleshy. Legs & feet flesh-color.
988 Myiodioctes Canadensis (L) Aud. ♂ May 25/76.
H. F. 5 11/16, 8 7/16, 2 10/16 2 4/16.
Iris brown. Bill with its maxilla black. Mandible horn-color. Legs & feet yellowish.
989 Dendroica caerulescens (L) Bd. ♂ May 18
H. F. 5 7/16 8 1/16, 2 8/16, 2
Iris brown. Bill, legs & feet brownish black.
990 Dendroica caerulescens (L) Bd. ♀ May 16/76.
H. F. 5 1/16, 7 15/16, 2 7/16 1 15/16.
Iris brown. Bill black. Legs & feet brown.
991 Helminthophaga ruficapilla (Wils) Bd. ♂ May 12.
H. F. 4 15/16, 7 12/16, 2 6/16, 1 14/16
992 Seiurus noveboracensis (Gm.) Mitt. ♂ May 26.
H. F. 6 2/16, 9 14/16, 3 3/16, 2 8/16.
Iris brown. Bill blackish, fleshy at base of mandible
Legs & feet brown.

No. 193. Myiodioides mitratus (Gm.) Ind. ♂ May 17/76.
5 10/16, 8 6/16, 2 11/16, 2 4/16.
Iris brown. Bill black. Legs & feet flesh-color.

194 Helmitherus vermivorus (Gm.) Bp. ♀ May 17.
H. Falls. 5 5/16, 8 9/16, 2 10/16, 1 15/16.
Iris brown. Bill with maxilla black, mandible flesh-color. Legs & feet flesh-color.

195 Dendroica castanea (Wils.) Bd. ♂ May 26.
5 13/16, 9 1/16, 2 15/16, 2 3/16.
Iris brown. Bill black. Legs & feet brownish-black.

196 Parula americana (L.) Bp. ♂ May 18/76.
H. F. 4 13/16, 7 10½/16, 2 7½/16, 1 12/16.
Iris brown. Bill with maxilla black, mandible yellow. Legs & feet deep brown.

197 Dendroica maculosa (Gm.) Bd. ♂ May 16.
5 4/16, 7 12/16, 2 7/16, 2.
Iris brown. Bill black. Legs & feet brownish black.

198 Dendroica caerulescens (L.) Bd. ♀ May 18.
5 4/16, 7 15/16, 2 8/16, 2.

199 Geothlypis trichas (L.) Cab. ♂ May 27/76.
5 10/16, 7 7/16, 2 4/16, 2 2/16.
Iris brown. Bill black. Legs & feet fleshy-brown.

1000 Geothlypis Philadelphia (Wils.) Bd. ♂ May 26, 1876.
Highland Falls, N. Y. — When first seen, it flew from the edge of the pond, and alighted on a grassy knoll at a little distance, where it was shot.
5 10/16, 8 2/16, 2 9/16, 2 2/16. Bill above 6½/16. Culmen 9/16.
Tarsi 13/16. Middle toe & claw 11/16. Quills 2, 3, 1, 4.
Iris deep brown. Bill with maxilla black, mandible horn-color. Legs & feet flesh-color.

1001 Dendroica Pennsylvanica (L.) Bd. ♂ May 18.
H. F. 5 3/16, 8 3/16, 2 11/16, 2.

1002 Helminthophaga rupicapilla (Wils.) Bd. ♀ May 17.
H. F. 4 11/16, 7 4/16, 2 4/16, 1 11/16.
Iris brown.
Bill blackish, yellow at base of mandible.
Legs & feet dark brown.

No. 1003. Setophaga ruticilla (L.) Sw. ♂ May 17, 1876.
5 4/16, 7 10/16, 2 7/16, 2 4/16.
Iris brown. Bill black. Legs & feet brownish-black.

1004 Seiurus Lauricapillus (L.) Sw. ♀ May 17, 1876.
H. F. 6, 9 6/16, 3, 2 3/16.
Iris brown. Bill with maxilla brownish black, mandible, legs & feet, brownish flesh-color.

1005 Dendroica blackburniae (Gm.) Bd. ♂ May 17.
H. F. 5 7/16, 8 8/16, 2 12/16, 2.
Iris brown. Bill black, horn-color at base of mandible. Legs & feet dark brown.

1006 Dendroica blackburniae (Gm.) Bd. ♂ May 17.

1007 Mniotilla varia (L.) V. ♀ May 26, 1876. H.F.
5 4/16, 8 4/16, 2 10/16, 2 1/16.
Irides dark. Bill & feet blackish.

1008 Dendroica blackburniae ♀ May 18, 1876. H.F.
5 5/16, 8 2/16, 2 10/16, 1 15/16.
Iris brown. Bill black, shading into horn-color at base of mandible. Legs & feet dark brown.

1009 Dendroica blackburniae (Gm.) Bd. ♂ May 13.
5 2/16, 8 10/16, 2 10½/16, 2.

1010 Dendroica castanea (Wils.) Bd. ♂ May 26/76.
H.F. 5 9/16, 9 1/16, 2 14/16, 2 1/16.
Iris brown. Bill black. Legs & feet brownish-blk.

1011 Dendroica castanea (Wils.) Bd. ♀ May 26/76.
H.F. 5 4/16, 8 10/16, 2 11/16, 1 15/16.
Iris brown. Bill blackish. Legs & feet lead-color.

1012 Dendroica maculosa (Gm.) Bd. ♂ May 16/76.
H.F. 5 3/16, 7 14/16, 2 8/16, 2.
Iris brown. Bill black. Legs & feet brownish-blk.

1013 Dendroica striata (Forst.) Bd. ♂ May 26/76.
H.F. 5 12/16, 9 4/16, 3 12/16, 2 1/16.

1014 Dendroica maculosa (Gm.) Bd. ♂ May 17, 1876.
H.F. 5 2/16, 7 10/16, 2 6/16, 2. Iris brown. Bill blk.
Legs & feet brownish-black.

No. 1015. Dendroica blackburniae (Gm.) Bd. ♂. May 17.
H.F. 5 7/16, 8 1/16, 2 12/16, 2 1/16.
Iris brown. Bill black, horn-color at base of mandible. Legs & feet brownish-black.

1016. Myiodioctes Canadensis (L.) And. ♂. May 23.
Long Pond. Orange Co. N. Y.

1017 Dendroica maculosa (Gm.) Bd. ♂. May 16.
H.F. 5 4/16, 7 12/16, 2 6 1/2/16, 2.
Iris brown. Bill black, bluish at base of mandible. Legs brownish-black.

1018 Dendroica blackburniae (Gm.) Bd. ♂. May 16.
Iris brown. Bill black, shading into horn-color at base of mandible, and along sides of bill cutmen. Legs & feet dark brown. 5 3/16, 8 2/16, 2 10/16, 1 13/16.

1019 Geothlypis trichas (L.) Cob. ♂. May 17. 1876.
H.F. 5 6/16, 7 2/16, 2 2/16, 2.
Iris brown. Bill blackish. Legs & feet brown.

1020 Dendroica virens (Gm.) Bd. ♂. May 18/76.
H.F. 5 4/16, 8 1/16, 2 9/16, 1 14/16.
Iris brown. Bill black. Legs & feet brownish-blk.

1021 Seiurus auricapillus (L.) Sw. ♀. May 12.

1022 Dendroica castanea (Wils.) Bd. ♂. May 25.
H.F. 5 11/16, 7 4/16, 3, 2 3/16.
Iris brown. Bill black. Legs & feet brownish-black.

1023 Myiodioctes Canadensis (L.) And. ♂. May 26.
H.F. 5 8/16, 7 15/16, 2 8/16, 2 3/16.
Iris brown. Bill with maxilla blk. mandible horn-color. Legs & feet yellow.

1024 Dendroica maculosa (Gm.) Bd. ♂. May 17.
H.F. 5 3/16, 7 10/16, 2 6/16, 2.
Iris brown. Bill black. Legs & feet brownish-black.

1025 Myiodioctes mitratus (Gm.) And. ♂. May 18.
Highland Falls, Orange Co. N. Y.
5 12/16, 8 8/16, 2 11/16, 2 3/16.
Bill black. Iris brown.
Legs & feet flesh-color.

No. 1026 Dendroica striata (Forst.) Bd. ♂. May 23. 1876.
H.F. 5 13/16, 9 8/16, 3, 2 3/16.

1027 Dendroica castanea (Wils.) Bd. May 23. 1876.
H.F. 5 10/16, 8 15/16, 2 14/16, 2 1/16.
Iris brown. Bill blackish. Legs & feet brownish-black.

1028 Dendroica castanea (Wils.) Bd. ♂. May 22. 1876.
H.F. 5 10/16, 8 15/16, 2 14/16, 2 1/16.
Iris brown. Bill black. Legs & feet brownish-black.

1029 Dendroica castanea (Wils.) Bd. ♂. May 26. 1876.
H.F. 5 13/16, 9 1/16, 2 15/16, 2 3/16.
Iris brown. Bill black. Legs & feet brownish-black.

1030 Dendroica castanea (Wils.) Bd. ♂. May 22. 1876.
H.F. 5 12/16, 9 3/16, 3, 2 2/16.
Iris brown. Bill black. Legs & feet brownish-black.

1031 Dendroica castanea (Wils.) Bd. ♀. May 25. 1876.
H.F. 5 10/16, 8 15/16, 2 14/16, 2.
Iris brown. Bill blackish. Legs & feet bluish.

1032 Icteria virens (L.) Bd. ♂. May 23. 1876.
Long Pond, Orange Co. N. Y.
7 8/16, 10 3/16, 3 1/16, 3 1/16.
Iris brown. Bill black. Legs & feet lead-color.

1033 Helmitherus vermivorus (Gm.) Bp. ♂. May 23.
H.F. 5 10/16, 9, 2 14/16, 2 1/16.
Iris brown. Bill with maxilla blackish, mandible, legs & feet flesh-color.

1034 Myiodioctes Canadensis (L.) And. ♂. May 23.
Orange Co. N. Y. 5 10/16, 8, 2 8/16, 2 4/16.
Iris brown. Bill with maxilla black mandible horn-color. Legs & feet light yellow ~~flesh color~~.

1035. Dendroica pennsylvanica (L.) Bd. ♀. May 22.
H.F. 5 5/16, 7 14/16, 2 7/16, 2.

1036 Dendroica blackburniae (Gm.) Bd. ♀. May 23.
H.F.

1037 Dendroica blackburniae (Gm.) Bd. ♂. May 18.
H.F. 5 2 1/2/16, 8 5/16, 2 12/16, 1 14/16.
Iris brown. Bill black, shading into horn-color at base of mandible. Legs & feet dark brown.

No. 1038 Seiurus auricapillus (L.) Sw. ♂ May 16.
H.F. 6 5/16, 10, 3 11/16, 2 4/16
Iris brown. Bill with maxilla brownish black.
Mandible, legs & feet flesh-color.
1039 Dendroica pennsylvanica (L.) Bd. ♂ May 12
1040 Dendroica striata (Forst.) Bd. ♀. May 22.
H.F. 5 10/16, 8 13/16, 2 12/16, 2.
Bill with maxilla blackish, mandible horn-color. Legs & feet yellowish brown.
1041 Dendroica striata (Forst.) Bd. ♂ May 25.
H.F. 5 9/16, 9 3/16, 3 1/16, 2 1/16.
1042. Dendroica castanea (Wils.) Bd. ♂ May 20.
H.F. 5 13/16, 9 4/16, 2 15/16, 2 3/16.
Iris dark brown. Bill black. Legs brownish black
1043 Dendroica blackburniae (Gm.) Bd. ♂ May 23.
H.F. 5 6/16, 8 11/16, 2 13/16, 2.
Iris brown. Bill blackish, horn-color at base of mandible. Legs & feet brownish-black
1044 Dendroica pennsylvanica (L.) Bd. ♀ May 20
H.F.
1045 Dendroica pennsylvanica (L.) Bd. ♀ May 23
H.F. 5 3/16, 7 12/16, 2 7/16, 1 15/16.
Iris brown. Bill black. Legs & feet brownish-blk.
1046 Dendroica aestiva (Gm.) Bd ♂ May 12 1876 H.F.
1047 " Castanea (Wils.) Bd. ♂ May 25. 1876.
1048 " " (Wils.) Bd. ♂ " 25. 1876
1049 Myiodioctes Canadensis (L.) And. ♂ May 25.
H.F. 5 11/16, 8 7/16, 2 10/16, 2 4/16.
Iris brown. Bill with maxilla black, mandible horn-color. Legs & feet brownish-yellow
1050 Dendroica caerulescens (L.) Bd ♂ May 20
1051 " Castanea (Wils.) Bd ♂ May 25.
1052 " Striata (Forst.) Bd ♀ May 23.
H.F. 5 11/16, 9, 2 13/16, 2 1/16.
1053 Myiodioctes Canadensis (L.) And ♂ May 18
H.F. 5 10/16, 8, 2 9/16, 2 3/16.

No. 1054. Dendroica Blackburniae (Gm.) Bd. ♂ May 18. 1876
H.F. 5 3/16, 8 7/16, 2 11 1/3/16, 1 13/16.
Iris brown. Bill black. Legs & feet dark brown
1055. Myiodioctes Canadensis (L.) And. ♂ May 22/76.
H.F. 5 11/16, 8 1/16, 2 8/16, 2 4/16.
Iris brown. Bill with maxilla and tip blackish, mandible fleshy.
1056. Setophaga ruticilla (L.) Sw ♂ May 26/76
H.F. 5 9/16, 8, 2 10/16, 2 5/16.
1057. Dendroica striata (Forst.) Bd. ♂ May 25/76.
H.F. 5 11/16, 9 4/16, 3, 2 3/16.
Iris brown. Bill black. Legs & feet yellow
1058 Dendroica maculosa (Gm.) Bd. ♀ May 25.
H.F. 5, 7 6/16, 2 5/16, 1 14/16.
Iris brown. Bill black. Legs & feet brownish-black.
1059 Dendroica blackburniae (Gm.) Bd. ♂ May 23/76
H.F. 5 6/16, 8 12/16, 2 14/16, 2.
Iris brown. Bill blackish, horn-color at base of mandible, legs & feet dark brown.
1060 Myiodioctes mitratus (Gm.) And. ♂ May 17/76.
H.F. 5 10/16, 8 6/16, 2 11/16, 2 4/16
Iris brown. Bill black. Legs & feet flesh-color.
1061 Icteria virens (L.) Bd. ♂ May 23. 1876
" " Orange Co. N.Y. 7 5/16, 9 13/16, 2 15/16, 3.
Iris brown. Bill black. Legs & feet lead-color.
1062 Dendroica Blackburniae (Gm.) Bd. ♀ May 25/76
1063 Seiurus noveboracensis (Gm.) Nutt. ♂ May 25.
6 3/16, 9 8/16, 3, 2 3/16.
1064 Geothlypis trichas (L.) Cap. ♀ May 19 1876.
1065 Myiodioctes mitratus (Gm.) And. ♂ May 17/76
H.F. 5 9/16, 8 5/16, 2 11/16, 2 4/16.
Iris brown. Bill black. Legs & feet flesh-color
1066 Seiurus noveboracensis (Gm.) Nutt. ♂ May 13.
H.F. 5 13/16, 9 8/16, 3, 2 2/16.
1067 Dendroica Castanea (Wils.) Bd. ♂ May 25
Highland Falls, Orange Co. N.Y.

No. 1068 Seiurus Indovicianus (V.) Bp ♀ May 18, 1876.
H. F. 6 5/16, 10 4/16, 3 3/16, 2 1/16.

1069 Helmitherus vermivorus (Gm.) Bp ♂ May 13/76.
H. F. 5 10/16, 7, 2 13/16, 2 1/16.
Iris brown. Bill above brownish black, mandible, legs & feet flesh color

1070 Dendroica Castanea (Wils.) Bd. ♀ May 26. 1876
H. F. 5 11/16, 8 15/16, 2 14/16, 2 2/16.
Iris brown. Bill blackish. Legs & feet brownish black.

1071 Seiurus auricapillus (L.) Sw ♂ May 5. 1876.
H. F. 6 2/16, 9 15/16, 3 1/2/16, 2 4/16.
Iris brown. Bill above brown, below flesh-color. Legs light brown.

1072. Geothlypis trichas (L.) Cab. ♂ May 8. 1876.
5 8/16, 7 5/16, 2 5/16, 2 2/16.

1073 Mniotilta varia (L.) V. ♂ May 5. 1876.
H. F. 5 2/16, 8 9/16, 2 12/16, 2.

1074 Helminthophaga ruficapilla (Wils.) Bd. ♂ May 8.
H. F. 4 13/16, 7 5/16, 2 3/16, 1 12/16.

1075. Parula americana (L.) Bp ♂ May 8. 1876.
H. F. 4 15/16, 7 11/16, 2 8/16, 1 12/16

1076. Dendroica Blackburniae (Gm.) Bd. ♂ May 9.
H. F. 5 3/16, 8 6/16, 2 12/16, 2, Tarsi 10 1/2/16.
Iris brown. Bill black, bluish at base of mandible. Legs & feet dark brown.

1077. Dendroica palmarum (Gm.) Bd. ♀ May 5.
H. F. 5 5/16, 8 3/16, 2 8/16, 2 1/16.

1078 Setophaga ruticilla (L.) Sw ♂ May 8. 1876
H. F. 5 8/16, 7 12/16, 2 7/16, 2 4/16.
Iris dark. Bill black, Legs & feet very dark brown.

1079 Dendroica virens (Gm.) Bd ♂ May 1.
H. F. 5 2/16, 7 10/16, 2 7/16, 2.
Iris brown. Bill & feet black.

1080 Dendroica coronata (L.) Sw ♀ May 3.
H. F. 5 9/16, 8 14/16, 2 13/16, 2 5/16.
Iris brown, Bill & feet black.

No. 1081 Dendroica Coronata (L.) Sw ♂ May 8. 1876
5 12/16, 9 2/16, 3, 2 6/16.

1082 Dendroica palmarum (Gm.) Bd ♀. May 3.
5 4/16, 8 3/16, 2 8 1/2/16, 2 2/16.
Iris brown. Bill blackish. Legs dark brown

1083. Mniotilta varia (L.) V. ♂ May 4. 1876. H. F.
5 3/16, 8 12/16, 2 14/16, 2 1/16.
Irides dark brown. Bill blue-black. Legs and feet brownish-black.

1084. Myiodioctes mitratus (Gm.) And. ♂ May 8. 1876
5 13/16, 8 9/16, 2 13/16, 2 6/16.

1085 Helminthophaga ruficapilla (Wils.) Bd. ♂ May 6.
5, 7 11/16, 2 7/16, 1 15/16.

1086 Dendroica virens (Gm.) Bd. ♂ May 6. 1876
5 5/16, 8 3/16, 2 8/16, 2.

1087 Dendroica caerulescens (L.) Bd. ♂ May 9
5 5/16, 8 3/16, 2 9/16, 2 2/16.
Irides dark brown. Bill black. Legs & feet dark brown

1088 Helminthophaga ruficapilla (Wils.) Bd ♂ May 6.
5 1/16, 7 11/16, 2 8/16, 1 15/16

1089 Dendroica maculosa (Gm.) Bd. ♂ May 16. 1876.
5 2/16, 7 11/16, 2 7/16, 2.
Iris brown. Bill blue-black. Legs & feet lead-color.

1090 Helminthophaga ruficapilla (Wils.) Bd. ♂ May 8
4 15/16, 7 12/16, 2 7/16, 1 14/16.

1091 Dendroica virens (Gm.) Bd. ♂ May 9 1876.
5 2/16, 7 13/16, 2 8/16, 2 1/16.
Iris dark brown. Bill black, Legs dark brown

1092 Seiurus auricapillus (L.) Sw ♂ May 8.
6 6/16, 10 1/16, 3 2/16, 2 3/16.

1093 Dendroica caerulescens (L.) Bd. ♂ May 9.
5 5/16, 8 4/16, 2 11/16, 2 3/16, Tarsi 11 3/4/16.
Irides dark. Bill black. Feet brown

1094 Dendroica virens (Gm.) Bd ♂ May 9. 1876
5 2/16, 7 13/16, 2 8/16, 2 1/16.
Irides, legs & feet dark brown
Bill black

c.1095. Helminthoeus carminosus (Ohm) Bch. & May 12.
5 12/16, 8 7/16, 2 13/16, 2 4/16.

1096. Dendroica caerulescens (L.) Bd. & May 12.
5 2/16, 7 7/16, 2 4/16, 1 13/16.

1097 Dendroica Castanea (Wils.) Bd. & May 16.
5 8/16, 7, 2 11/16, 2 3/16.
Bis brown. Bill black. Legs & feet lead-color.

1098. Seiurus Motacilla (L.) Cat. & May 9.
5 4/16, 7 3/16, 2 3/16, 2 4/16.
Bis brown. Bill black. Legs & feet flesh color.

1099 Dendroica Coronata (L.) Br. & May 16.
5 7/16, 8 8/16, 2 10/16, 2 4/16.

1100 Dendroica caerulescens (L.) Bd. & May 16.
5 2/16, 7 8/16, 2 7/16, 2 4/16.

1101 Dendroica Blackburniae (Gm.) Bd. & May 16.
5 4/16, 8 7/16, 2 12/16, 2.

1102. Helminthoeus vermivorus (Gm.) Bch. & May 9.
5 7/16, 8 10/16, 2 13/16, 2. Tarsi 10 5/16.
Sides black. Bill brownish flesh-color.
Legs & feet flesh-color.

1103. Dendroica blackburniae (Gm.) Bd. & May 16
5 3/16, 8 3/16, 2 12/16, 7 5/16.
Bis brown. Bill black. Legs & feet very dark brown.

1104 Dendroica Coronata (L.) Br. & May 16.
5 7/16, 8 8/16, 2 10/16, 2 4/16.

1105. Protonotaria citrea (Bodd.) Cab. & May 16.
5 2/16 7, 2 11 5/16, 1 14/16.
Bis brown. Bill dusky. Legs & feet flesh.

1106 Helminthoeus vermivorus (Gm.) Bch. & May 16.
5 8/16, 8 13/16, 2 12/16, 2 4/16.
Bill blackish above; mandible, legs & feet flesh-color.

1107 Myiodioctes mitratus (Gm.) Aud. & May 13.
5 13/16, 8 10/16, 2 12/16, 2 7/16.

1108 Dendroica Blackburniae (Gm.) Bd. & May 16.
5 5/16, 8 9/16, 2 12/16, 2.

No.1109. Myiodioctes Canadensis (L.) Aud & May 16.
5 12/16, 8 4/16, 2 10/16, 2 6/16.
Bis brown. Bill with maxilla blackish, mandible horn-color. Legs & feet

1110 Seiurus hudsonicanus (L.) Bch & May 13.
6 2/16, 10 4/16, 3 2/16, 2 2/16.

1111 Vireo solitarius (Wils.) V. & May 11. 1876 H.H.

1112 Sayornis fuscus (Gm.) Bd & May 16. 1876

1113 Myiozetetes socialis (Wils.) Bch & May 8. 1876
5 5/16, 8 13/16, 2 13/16, 2 5/16.

1114 Troglodytes aedon V. & May 3. 1876 H.H.
5 11/16, 6 12/16, 2, 1 11/16.
Bis. legs, and feet brown. Bill with max-illa and tip black, the rest horn-color

1115. Sialia Sialis (L.) Baldemann & fin May 25.
May 25. 1876. H. Falls 6, 11 4/16.

1116 Spizella (?) pusilla (Wils.) Bch & May 27. 1876
5 12/16, 8 3/16, 2 7/16, 2 7/16. Bis bill, and feet brown.

1117 Vireo solitarius (Wils.) V. & May 2. 1876 H.H.
5 8/16, 7 5/16, 2 5/16, 2 4/16. Tarsi 11 3/16.
Bis hazel. Bill blue-black. Legs and feet lead-color.

1118 Spizella socialis (Wils.) Bch. & May 1. 1876.
5 8/16, 8 10/16, 2 11/16, 2 4/16
Bis brown. Bill & feet. Legs brown

1119. Vireo flavifrons (V.) & May 22. 1876.
6, 9 12/16, 3 2/16, 2 4/16.
Bis hazel. Bill blue black. Legs and feet lead-color

1120 Chrysomitris tristis (L.) Bch. & May 2. 1876
5 5/16, 7 4/16, 2 5/16, 2 2/16.
Bis brown. Bill horn-yellow, tip dusky.
Legs & feet brown.

1121 Chrysomitris tristis (L.) Bch & May 2. 1876
4 11/16 & 4/16, 2 2/16, 1 13/16. Bis brown
Bill yellow, dusky on t/p. Legs brown.

No. 1122. Empidonax flaviventris Bd. ♀ May 23.
5 12/16, 8 14/16, 2 11½/16, 2 3/16.
Iris brown. Bill with maxilla blackish, mandible yellow. Legs and feet black.

1123. ~~Troglodytes aedon~~ W. ♂ May 18. 1876.
(Telmatodytes palustris (Wils) Cat. Conn. R. Id.

1124 Passer domesticus Lin. ♀ May 26. 1876
6 8/16, 7 11/16, 3, 2 4/16.
Iris legs and feet dark brown. Bill, with maxilla blackish, mandible horn-color.

1125 Troglodytes aedon V. ♂ May 3. 1876
5 3/16, 6 13/16, 2, 1 13/16.
Iris brown. Tip of bill, and maxilla black, the rest horn-color. Legs & feet brown.

1126 Minius Carolinensis L. Sw. ♀. May 8. 1876
8 14/16, 11 7/16, 3 7/16, 3 11/16.

1127. Antrostomus vociferus (Wils) Bp. ♀. May 12. 1876.
9 9/16, 18 3/16, 5 14/16, 4 9/16.
Iris very dark. Bill blackish. Legs reddish-brown.

1128 Tringoides macularius (L.) Sw. ♂ May 23. 1876.
7 9/16, 13 5/16, 4 1/16, 2 3/16. Iris brown.
Bill yellowish, tip black. Legs and feet muddy yellowish brown.

1129 Turdus mustelinus Sm. ♀. May 8. 1876.
Iris brown. 8 3/16, 13 4/16, 4 3/16, 2 12/16.
Bill black, fleshy at base. Legs & feet flesh-color.

1130 Turdus fuscescens Steph. ♀ May 8. 1876.
7 6/16, 11 12/16, 3 12/16, 2 13/16. Iris brown.
Bill brown above, mandible flesh-color. Legs and feet flesh-color.

1131 Tringoides macularius (L.) Sw. ♂ May 30. 1876
Saturlee's Point H.R. 7 11/16, 13 4/16, 4, 2 1/16.

1132 Colaptes auratus (L.) Sw. ♀. May 5. 1876.
11 13/16, 20, 6 1/16, 3 14/16. Iris dark red.
Bill bluish-black. Legs and feet lead-color.
Highland Falls, N.Y.

No. ~~1132~~ 1833. Icterus Baltimore (L.) Dandin ♂. May 18. 1876
7 12/16, 12, 3 11/16, 2 14/16. Iris dark.
Bill and feet lead-color.

1133 Pyranga rubra (L.) V. ♀ May 23. 1876
6 15/16, 11 15/16, 3 13/16, 2 12/16. Iris brown.
Bill greenish horn-color. Legs & feet lead color.

1134. Turdus mustelinus Sm. ♀ May 26. 1876
8 3/16, 13 10/16, 4 4/16, 3.

1135 Empidonax minimus Bd. ♀. May 23. 1876
5 7/16, 8 3/16, 2 9/16, 2 4/16.
Bill with maxilla black. mandible brownish. Legs and feet black.

1136. Empidonax minimus Bd. ♀ May 22. 1876
5 8/16, 8, 2 6/16, 2 2/16.
Irides dark brown. Bill with maxilla black, mandible yellowish brown. Legs and feet black.

1137 Empidonax flaviventris Bd. ♂. May 26. 1876.
5 10/16, 8 11/16, 2 12/16, 2 2/16.
Bill with maxilla black, mandible yellow. Legs and feet black.

1138. Empidonax flaviventris Bd. ♂ May 23. 1876
5 11/16, 8 12/16, 2 11½/16, 2 3/16.
Iris brown. Bill with maxilla brownish black. mandible yellow. Legs and feet black.

1139 Empidonax minimus Bd. ♂. May 20. 1876

1140 Empidonax minimus Bd ♀ May 8. 1876.
5 6/16, 8 2/16, 2 8/16, 2 4/16.

1141 Empidonax minimus Bd ♀ May 12. 1876.
5 9/16, 8 6/16, 2 10/16, 2 4/16.

1142 Empidonax traillii (Aud.) Bd. ♂ May 26. 1876
6, 9 3/16, 2 14/16, 2 5/16.
Iris brown. Bill with maxilla black, mandible yellow. Legs and feet black.

1143 Empidonax traillii (Aud.) Bd. ♂ May 27. 1876.
~~[illegible]~~ 6 4/16, 9 8/16, 2 14/16, 2 6/16.

♂No 1144. Empidonax minimus Bd. ♂ May 8. 1876
5 8/16, 8 5/16, 3 6 1/2/16, 2 3/16.
Iris brown. Bill brownish black, with yellow mandible. Legs black

1145 Empidonax flaviventris Bd. ♂ May 23. 1876.
Orange Co. N. Y. 5 11/16, 8 11/16, 2 12/16, 2 3/16.
Iris brown. Bill with maxilla black, mandible yellow. Legs black).

146 Ceryle alcyon (L.) Bd. ♂ May 5. 1876.
12 13/16, 22 13/16, 6 10/16, 3 7/16. ♂
Iris dark. Bill blue black. Legs brownish.

147 (Pipilo erythrophthalmus (L.) B. ♀ May 2. 1876.
8, 10 2/16, 3 2/16, 3 5/16. Iris red.
Bill black. Legs brown)

1148. Harporhynchus rufus (L.) Cab. ♂ May 8. 1876,
11 5/16, 13 10/16, 7 0/16, 3 4/16. Iris yellow.
Bill with maxilla blackish, mandible horn color. Legs & feet brown.

1149 Cyanurus cristatus (L.) Baird. ♂ May 2. 1876
West Point N. Y. 11 13/16, 17 6/16, 5 8/16, 5 5/16.
Irides brown. Bill and feet black).

1150 Coccyzus erythrophthalmus (Wils.) B. ♀ May 22/76
Iris hazel, Eyelid red. Bill with maxilla blackish, mandible, legs and feet lead-color.
6 12/4, 15 11/16, 5 3/16, 16 7/16.

1151 Zonotrichia albicollis (Gm.) Bp. ♂ May 20. 1876

1152. Agelaeus phoeniceus (L.) B. ♀ May 2, 1876
Orange Co. N. Y. 8 1/16, 12 14/16, 7 2/16, 3 3/16.
Iris dark. Bill blue black. Feet black)

1153. Turdus alicicae (Bd.) Cab. ♀ May 25. 1876
7 10/16, 12 2/16, 4 3/16, 3 1/16.
Iris brown. Bill black, flesh-color at base of mandible. Legs & feet dark brown

1154. ♂ Turdus Pallasi Cab. ♂ May 3. 1876
7, 11 2/16, 3 5/16, 2 11/16, Iris brown
Bill black, flesh-color at base of mandible
Legs nearly-brown

♂No. 1155 Pipilo erythrophthalmus (L.) B. ♂ May 27. 1876
8 5/16, 11 10/16, 3 7/16, 4 1/16.
Iris red. Bill black, legs & feet fleshy brown

1156 (Pipilo erythrophthalmus (L.) B. ♂ May 5. 1876
8 1/16, 11 1/16, 3 7/16, 3 7/16.
Iris red. Bill black. Legs brownish flesh-color)

1157 ♂ Agelaeus phoeniceus (L.) B. ♂ May 2 1876.
9 7/16, 15 12/16, 4 12/16, 3 12/16.
Iris dark. Legs and Bill black).

1158 Turdus fuscescens Steph. ♂ May 26. 1876
7 5/16, 11 12/16, 3 11 3/16, 2 10/16.
Iris brown. Bill blackish above, mandible & base-colored basal. Legs & feet brown

1159 Turdus Alicicae (Bd.) Cab ♂ May 25. 1876.
7 14/16, 13 2/16, 4 5/16, 3 2/16 Iris brown
Bill black, flesh-colored base of mandible
Legs and feet dark brown.

1160 ♂ Turdus Solitarius Wils. ♂ May 19. 1876
8 12/16, 19 6/16, 3 3/16, 2 6/16
Iris brown. Bill dead black Legs grayish brown.

1161 ♂ Agelaeus phoeniceus (L.) B. ♂. May 2. 1876.
9 8/16, 15 4/16, 4 12/16, 3 12/16.
Iris dark. Bill & legs black.)

1162. Turdus Swainsoni Cab. ♀. May 11. 1876.
7 2/16, 12 12/16, 4 3/16, 3.

1163. ♂ Tyrannus Carolinensis ♂. May 13. 1876.

1164 (Turdus Swainsoni Cab. ♂ May 13. 1876

1165 Turdus Swainsoni Cab ♂ May 25. 1876
7 7/16, 12 5/16, 4 1/16, 2 14/16.
Iris brown. Bill black, flesh color at base of mandible. Legs and feet light brown

1166 ♂ Agelaeus phoeniceus (L.) B. ♂ May 23. 1876
9 8/16, 15 5/16, 5 1/16, 3 4/16.
Iris brown. Bill & feet black).

1166 Dendroica coronata Aud. Sm. ♂ May 5/16
6 3/16, 7 12/16, 3 7/16, 2 2/16.
Iris brown. Bill brn color. Legs dark brown

1168 Zonotrichia albicollis (Gm) ♂ May 21 1876
6 13/16, 7 8/16, 2 14/16, 2 4/16.
Iris brown. Bill blackish. Legs brown.

1169 Sylvania rubra ♂ May 27, 1876.
6 5/16, 11 13/16, 3 12/16, 2 11/16.
Irides brown. Bill greenish horn-color
Legs and feet lead color.

1170 Coccothraustes ludovicianus ♂ Baltimore ♂ May 12,
8, 12 8/16, 3 13/16, 2 14/16.

1171 Myiarchus crinitus ♂ Cab ♂ May 13, 1876.
7 2/16, 13 8/16, 4 2/16, 2 1/16.

1172 Sylvania rubra ♂ ♂ May 25, 1876.
7 5/16, 11 12/16, 3 12/16, 2 11/16,
Iris brown. Bill greenish horn-color
Legs and feet lead-color.

1173 Sylvania rubra ♂ ♂ May 15, 1876.
7 3/16, 11 14/16, 3 13/16, 2 12/16.
Iris brown. Bill greenish horn-color
Legs & feet lead color

1174 Sylvania rubra ♂ ♂ May 23, 1876.
7 5/16, 11 11/16, 3 12/16, 2 12/16. Irides brown
Bill greenish horn-color. Legs & feet lead color

1175. Melothrus pecoris ♂ ♂ May 23, 1876.
7 4/16, 10 5/16, 3 3/16, 2. Iris brown
Bill & legs blue-black.

1176 Tringoides macularius ♂ Dr. ♀ May 23, 1876
Orange Co. N. Y. 8 2/16, 15 3/16, 4 5/16, 2 1/16.
Iris brown. Bill yellow, tip of maxilla blackish
Legs & feet yellowish brown

1177 Dendroica leucophrys ♂ (Forst.) ♂ Sav ♀ May 23, 1876
Orange Co N. Y. Tarsi 13 1/16, Middle toe
and its claw 13/16, 6 14/16, 9 12/16, 3 13/16, 2 14/16.
Iris brown. Bill brownish flesh-color
Legs & feet brown

1178 Dolichonyx oryzivorus ♂ Cab. ♂ May 23, 1876
Orange Co N. Y. 7 4/16, 12 5/16, 3 14/16, 2 2 4/16.
Iris brown. Bill black. Legs & feet brown.

1179. Melothrus Baltimore ♂ Dandin ♀ May 26, 1876
7 3/16, 11 3/16, 3 3/16, 2 13/16.

1180 Petrochelidon lunifrons (Say) Cab. ♀ May 23, 1876
Orange Co N. Y. 3 14/16, 12 12/16, 4 5/16, 2 2/16.

1181 Zonotrichia (Leucophrys) albicollis (Gmel) ♂ ♀ May 24, 1876
Orange Co N. Y. Middle toe & its claw 13/16, Tarsi 13 1/16
6 11/16, 9 11/16, 3 12/16, 2 14/16
Iris brown. Bill brownish flesh-color. Legs brown

1182 Sylvania rubra ♂ ♂ May 25, 1876

1183 Sylvania rubra ♂ ♂ May 23, 1876

1184 Sylvania rubra ♂ ♂ May 23, 1876
7 7/16, 12 2/16, 3 14/16, 2 13/16
Iris brown. Bill greenish horn-color. Legs lead-color

1185 Sylvania rubra ♂ ♂ May 23, 1876.
7 6/16, 12 2/16, 3 13/16 2 3/16. Iris brown
Bill greenish horn color. Legs & feet lead-color

1186 Sylvania rubra ♂ ♂ May 24, 1876,
7 3/16, 11 15/16, 3 12/16, 2 1/16. Iris brown
Bill greenish horn-color. Legs & feet lead-color

1187. Sylvania rubra ♂ ♂ May 16, 1876
6 15/16, 11 12/16, 3 13/16, 2 12/16. Iris brown
Bill horn-color. Legs & feet lead color

1188 Sylvania rubra ♂ ♂ May 23, 1876.
7 4/16 11 9/16, 3 9/16, 2 9/16, Iris brown.
Bill greenish horn-color. Legs & feet lead-color

1189 Turdus Swainsoni Cab. ♂ May 18, 1876
7 6/16, 12 11/16, 4 1/16, 2 3/16. Iris brown
Bill blackish, base of mandible flesh-color. Legs & feet brownish flesh-color

1190 Melothrus Baltimore ♂ Dandin ♂ May 11, 1876
7 4/16, 11 5/16, 3 7/16, 2 12/16,

No 1191 Pyranga rubra (L.) V. ♂. May 23. 1876.
7 3/16, 12, 3 13/16, 2 12/16. Iris brown.
Bill greenish horn-color. Legs & feet lead color.

1192 Pyranga rubra (L.) V. ♂ May 23. 1876.
7 3/16, 12, 3 15/16, 2 11/16. Iris brown.
Bill greenish horn-color. Legs & feet lead-color.

1193. Pyranga rubra (L.) V. ♀ May 23. 1876.
7 1/16, 11 7/16, 3 7/16, 2 10/16. Iris brown.
Bill greenish horn-color. Legs & feet lead-color.

1194 Turdus Swainsoni Cab. ♂ May 23. 1876.
7, 11 5/16, 3 10/16, 2 10/16. Iris brown.
Bill black, flesh-color at base of mandible. Leg and feet ~~brown~~ light brown.

1195 Agelaeus phoeniceus (L.) V. ♀ May 23. 1876.
Orange Co. N. Y. 8, 12 12/16, 3 14/16, ~~[illegible]~~ 3 2/16
Iris brown. Bill & feet blackish.

1196 Vireo flavifrons V. ♀ May 27. 1876

1197 Geomaphea ludoviciana (L.) Bowdich ♂
May 19. 1876. Highland Falls, N. Y.

1198 Pyranga rubra (L.) V. ♂ May 23. 1876.
7 1/16, 11 12/16, 3 10/16, 2 11/16. Iris brown.
Bill greenish horn-color. Legs lead-color.

1199 Pyranga rubra (L.) V. ♂ May 23. 1876
7 5/16, 12 2/16, 3 14/16, 2 12/16 Iris brown.
Bill greenish horn-color. Legs lead-color.

1200 Pyranga rubra (L.) V. ♂ May 18. 1876.

1201 Turdus fuscescens Steph ♂ May 5. 1876
7 9/16, 12 4/16, 4 1/16 ♂. Tarsi 1 1/16. Mid. toe & claw 14/16.
Iris brown. Bill horn-color at base and long culmen rest blackish. Legs & feet very dark brown.

1202 Geomaphea ludovicianus (L.) Bowdich ♀ May 19/76.
1203 do do do do ♂ May 19/76
1204 Icterus Baltimore (L.) Dandin ♂ May 18. 1876
7 12/16, 12, 3 11/16, 2 14/16.
Iris dark. Bill & feet lead-color

No 1205 Cotyle riparia (L.) Boie ♂ May 23. 1876.
5 3/16, 10 14/16, 4, 2 1/16. Iris dark brown.
Bill black. Legs brownish black.

1206 Vireo solitarius (Nils) V. ♂. May 18. 1876
5 13/16, 9 11/16, 3, 2 3/16. Iris hazel.
Bill blue black. Legs & feet lead-color

1207 Vireo solitarius (Nils.) V. ♂ May 7. 1876
5 12/16, 9 11/16, 3 1/16, 2 2/16. Iris hazel
Bill blue black. Legs & feet lead-color

1208. Vireo solitarius (Nils) V. ♂. May 11. 1876
5 11/16, 9 8/16, 2 14/16, 2 2/16. Iris hazel.
Bill blue black. Legs & feet lead-color

1209 Vireo solitarius (Nils.) V. ♀ May 7. 1876
5 10/16, 9 10/16, 3, 2 2/16. Tarsi 11 1/2/16.
Iris hazel. Bill blue black. Legs & feet lead color.

1210 Vireo flavifrons V. ♀ May 12. 1876 Pt. F.
1211 do do do ♂ May 13. 1876.
6, 9 11/16, 3 2/16, 2 2/16. Iris hazel.
Bill & feet lead-color.

1212 Vireo flavifrons V. ♂ May 8. 1876
5 15/16, 10, 3 3/16, 2 1/16. Iris hazel.
Bill blue black. Legs & feet lead color

1213. Vireo gilvus (V.) Bp. ♂ May 8. 1876
5 15/16, 9 4/16, 3, 2 3/16. Iris brown
Bill blue black. Legs lead color

1214 Vireo gilvus (V.) Bp ♂ May 18. 1876.
5 12/16, 8 15/16, 2 11/16, 2 1/16. Iris hazel.
Bill blue black. Legs & feet lead-color.

1215 Vireo gilvus (V.) Bp. ♂ May 18. 1876
5 12/16, 9 3/16, 2 14/16, 2 1/16. Iris hazel
Bill brownish black. mandible horn-color
Legs & feet lead-color.

1216 Vireo Olivaceus (L.) V. ♂. May 22. 1876
6 7/16, 10 5/16, 3 3/16, 2 4/16. Iris red.
Bill with maxilla blackish; mandible lead-color. Legs & feet lead-color.

No 1217 Vireo noveboracensis (Gm) Bp ♀ May 17. 1876.
5 5/16, 8, 2 8/16, 2. Iris white.
Bill blue black. Legs & feet lead-color

1218 Cyanospiza cyanea (L.) Bd ♂ May 22. 1876.
5 11/16, 8 13/16, 2 10/16, 2 1/16

1219 Cyanospiza cyanea (L.) Bd. ♀ May 27. 1876.
5 12/16, 8 8/16, 2 10/16, 2 2/16.
Iris brown. Bill bluish black. Legs brownish black

1220 Parus atricapillus ♂ May 5. 1876.
5 2/16, 7 13/16, 2 6/16, 2 6/16.
Irides dark. Bill & feet black.

1221 Troglodytes aedon V. ♂ May 3. 1876.
4 15/16, 7, 2, 1 11/16. Iris brown
Bill with tip & maxilla black, the rest
horn color. Legs brown.

1222 Halliaetus leucocephalus (L.) Savigny ♀.
June 2. 1876 Iris straw ~~yellow~~
Bill & tarsi ~~[illegible]~~ yellow. Claws bluish
black. 35 8/16, 89 4/16, 24, 12 4/16.

1223 Myiodioctes mitratus (Gm) Aud. ♀ June 7. 1876
Shot from her nest, which contained four fresh eggs

1224 Buteo pennsylvanicus (Wils) Bp. ♂ May 3. 1876
H. F. 15 11/16, 36 11/16, 10 13/16, 6 8/16 Tarsi 1 10/16.
Iris hazel. Cere greenish yellow. Legs and
feet yellow. Bill blue black. Claws dead black.

1225 Buteo Pennsylvanicus (Wils) Bp ♀ May 5/76
H. F. 17 8/16, 38 11/16, 11 8/16, 7 1/16 Tarsi 1 12/16
Iris hazel. Bill blue black. Cere greenish yellow
Legs yellow.

1226 Accipiter Cooperi Bp ♀ May 10. 1876
H. F. Shot on nest containing 4 fresh
eggs. 19 12/16, 35, 10 2/16, 8 12/16.
Cere yellowish green. Legs & feet
yellow. (Bill blue black.)
Iris hazel. Stomach contained Ruffed
Grouse (Bonasa umbellus).

No 1227 Mimotilta varia (L.) V. ♂ juv. July 26. 1876
H. F. 5 12/16, 8 14/16, 2 13/16, 2 2/16
Iris dark brown. Bill dusky bluish. Tarsi lead-color.
Toes yellowish; nails yellow.

1228 Seiurus auricapillus (L.) Sw. ♀ Aug 16. 1876.
H. F. 6 7/16, 9 13/16, 3, 2 4/16. Iris brown
Bill with maxilla bluish black; mandible
brownish flesh-color. Legs & feet light brown

1229 Buteo pennsylvanicus (Wils) Bp. ♂ juvenis
August 17. 1876. Highland Lake, Rockland
Co. N. Y. 16 6/16, 36 12/16, 11 5/16, 7.
Bill blue black. Iris hazel. Cere greenish
yellow. Tarsi and toes yellow

1230 Contopus virens (L.) Cab. ♀ juv. Aug 16. 1876
6 6/16, 10 6/16, 3 5/16, 2 10/16. Iris brown. Bill & ft. blk.

1231 Cotyle riparia (L.) Boie ♂ (?) Aug 17. Constitution Id. Hudson River. 5 1/16, 10 12/16, 4, 1 15/16.
Irides brown. Bill & feet black

1232 Halliaetus leucocephalus (L.) Savigny ♀ ad.
33, 81 8/16, 22, 11 8/16. Weight 10 lbs (Putnam Co. N. Y. Aug 17th.)
Iris yellow. Bill, cere, & legs yellow.
Moulting; Very small for a female.

1234 Icterus spurius (L.) Bp ♀ juv. Aug 21. 1876
Constitution Id. Hudson River N. Y.
7 8/16, 10 9/16, 3 4/16, 3. Iris brown. Bill with maxilla bluish black, mandible fleshy, shading into blkish at tip.

1235 Icterus spurius (L.) Bp ♂ juv. Aug 21. 1876
Constitution Id. Hudson River N. Y. Feet lead-color.
7 6/16, 10 4/16, 3 4/16, 2 15/16. Rest the same as above

1236 Dolichonyx oryzivorus (L.) Sw. ♂ ad. Aug 21. 1876
Constitution Id. Hudson River, N. Y.
7 8/16, 11 8/16, 3 10/16, 2 11/16. Iris dark brown
Bill brownish ~~black~~ flesh-color, tip of maxilla
blackish. Legs brown.

1237 Dolichonyx oryzivorus (L.) Sw. ♂ Aug 21. 1876
Constitution Id. Hudson River, N. Y.
7 5/16, 11 12/16, 3 12/16, 2 11/16. Rest the same as above

1248 Dolichonyx oryzivorus (S.H.W. ♂ Aug 21. 1876 7 9/16, 11 15/16, 3 12/16, 2 12/16 Rest the same as No. 1246.

1249 Dolichonyx oryzivorus (S.H.W. ♂ Aug 21. 1876. 7 11/16, 12, 3 14/16, 2 12/16 Rest the same as above.

August 31. 1876.

I have never seen a greater paucity of bird-life than there has been the last of this month, not even in winter, and such a drouth has never been known here. Almost every brook is quite dry.

This morning I took a long walk. After I left the fields, where a few Sparrows, Robins, Cedar Birds, Blue birds and Woodpeckers were, I saw in the open woods only the Wood Pewee & Chickadee, and the jolly little Dendroica virens were seen clinging to the tips of the branches, uttering a note that quite resembled one of the notes of the Parus atricapillus.

I walked around Pell's Pond, where there is only a little stagnant water remaining in the middle. The rest of the pond's basin was bare, soft, mud, in which every track was preserved with perfect fidelity. There were the tracks of the Musk Rat, and here is where some huge Snapping Turtle has dragged his mud covered body out of the stinking mire, to obtain a breath of pure air: here too are the delicate little footprints of the Spotted Sandpark, and of Night and Green Herons, and the singular tracks of the Crows have made; and here is the print of three enormous toes; they blonged to the Great Blue Heron.

The Woodcock, and other wading birds have left their foot prints, but not one single bird of any sort was visible at the time.

I was told by people who lived near the old Night Heronry on Constitution Id, that a few birds bred there (4 or 5 pairs) in 1875, and when I visited the spot as short time since I found abundant proof that many of them had bred there during the present summer. As I went into the swamp two Herons flew from the top of a tall maple tree. I walked round the tree several times but could not see anything, although the I knew they were present by the continual dropping; now and then one became alarmed at the noise I made and flew away. There proved to be as many as a dozen Herons on the tree, but they all flew away without allowing me a single shot at them.

Yesterday evening (Aug. 30.) one of these birds flew over the house, toward the River, uttering its loud quack.

Yesterday afternoon there were enormous flocks of Night-Hawks flying high in the air.

I shot a good specimen of the Seiurus noveboracensis in a willow-tree, in the marsh beside Cousook Island. (?)

Saw the first Osprey (Fish Hawk) today.

September 15. 1876

The Robins are feeding almost exclusively on the pepperage berries.

I have seen none of the Turdus mustelinus nor of the T. fuscescens since the middle of August.

I saw the first Swainson's Thrushes yesterday (Sept 12) They were feeding on the pepperage berries, as are also, the Catbirds.

The Brown Thrashers and Towhee Buntings are still abundant

I have seen none of the Brown Creepers since the early part of Summer.

I have seen no Red-bellied Nuthatches this year. The C. Carolinensis have been common since the first of Aug not

The House Wrens have probably returned South, and the Winter Wrens have not yet arrived from the North.

The Melodia varia have been abundant during the whole Summer, and are still plenty

The first Parula Americana was shot in a willow tree on Concord Island on Sep. 6th. They are now very abundant.

The Dendroica virens have been very plenty since the last of August.

Dendroica caerulescens first seen (Adult Male) on Sep 11.

Dendroica striata first seen on the 9th Sep.

I shot a Cape May Warbler (Young) on Concord Id. on the 7th. It was hopping about among the low bushes

by the river-side. I watched it a few moments but it was quite tame. I shot it from the top of a little tulip-tree.

I saw another one the same day sitting on a large low limb of a Red Cedar tree. It twisted around on its perch several times, and dressed its plumage, and then, before I could shoot it, it flew away through the cedars without a noise. I think I saw several others on the morning of the same day but am not quite certain

I shot a Golden-crowned Thrush several days since, which was the last seen

Will Osborn shot a Dendroica Pennsylvanica in the autumnal plumage, a few days since.

The D. Aestiva noveboracensis have been rather common since the 1st of September

I have seen no L. Ludovicianus for a long while past.

The Myiodioctes Canadensis first seen on the 9th of September.

I shot ~~a number~~ one of a number of Barn Swallows that were flying about the Salt Marsh, yesterday (12th), and I saw numbers of Petrochelidon lunifrons a few days since.

Chimney Swifts are still plenty

Will Osborn shot a Red-bellied Nuthatch yesterday Sep 12.

Test of Birds Seen (Sep 13th)

Turdus migratorius L.
Turdus Swainsoni Cab.
Mimus Carolinensis (L.) Sw.
Harporhynchus rufus (L.) Cab.
Sialia sialis (L.) Haldeman
Parus atricapillus L.
Telmatodytes palustris (Wils.) Cab.
Mniotilta varia (L.) V.
Parula americana (L.) Bp.
Dendroica virens (Gm.) Bd.
" caerulescens (L.) Bd.
Seiurus noveboracensis (Gm.) Nutt.
Geothlypis trichas (L.) Cab.
Setophaga ruticilla (L.) Sw.
Pyranga rubra (L.) V.
Hampelis cedorum (V.) Bd.
Vireo olivaceus (L.) V.
Carpodacus purpureus (Gm.) Sw.
Chrysomitris tristis (L.) Bp.
Pooecetes gramineus (Gm.) Bd.
Melospiza melodia (Wils.) Bd.
" lincolni (Aud.) Bd.
" palustris (Wils.) Bd.
Spizella socialis (Wils.) Bp.
" pusilla (Wils.) Bp.
Passer domesticus Linn.
Pipilo erythrophthalmus (L.) V.
Agelaeus phoeniceus (L.) V.
Corvus americanus Aud.
Cyanurus cristatus (L.) Sw.
Sayornis fuscus (Gm.) Bd.
Centopus virens (L.) Cab.
Antrostomus vociferus (Wils.) Bp.
Chordeiles virginianus (Briss.) Bp.
Chaetura pelasgia (L.) Steph.
Trochilus colubris L.

Ceryle alcyon (L.) Boie.
Colaptes auratus (L.) Sw.
Ectopistes migratorius (L.) Sw.
Bonasa umbellus (L.) Steph.
Totanus solitarius (Wils.)
Ardea virescens L.

I shot a ~~Melospiza~~ Passerculus savanna ~~lincolni~~ ~~(Aud.)~~ ~~Bd.~~ There were several of them, but I only succeeded in shooting one of them. This was Sep. 12th.

Sep. 14. (Birds Seen.)

Mimus carolinensis (L.) Sw.
Troglodytes aedon V.
Telmatodytes palustris (Wils.) Cab.
Mniotilta varia (L.) V.
Parula americana (L.) Bp. (Very abundant)
Dendroica pennsylvanica (L.) Bd. (Young)
Seiurus noveboracensis (Gm.) Nutt.
Setophaga ruticilla (L.) Sw.
Pyranga rubra (L.) V.
Pipilo erythrophthalmus (L.) V.

September 15. (Birds Seen.)

Contopus borealis
Chordeiles virginianus (Briss.) Bp.
Seiurus noveboracensis (Gm.) Nutt.

Sep. 16. (Birds Seen)

Turdus mustelinus Gm.
Harporhynchus rufus (L.) Cab.
Mniotilta varia (L.) V.
Parula americana (L.) Bp.
Dendroica virens (Gm.) Bd.
do Striata

Dendroica caerulescens
Helminthophaga rufficapilla
Seiurus noveboracensis (Gm.) Nutt.
Geothlypis trichas (L.) Cab.
Solanus solitarius Vieil.
Ardea virescens L.

September

Helminthophaga peregrina

Late date.

October 8th 1876

1 Turdus migratorius L. Abundant; feeding on the berries of the dog-wood and huckleberage.
5 Turdus Swainsoni Cab. do.
9 Mimus Carolinensis L. Sfr. Still present.
10 Harporhynchus rufus (L.) Cab. do
16 Zylocichla alicia Bd.
21 Regulus calendula (L.) Licht
22 Regulus Sabrapa Licht.
31 Parus atricapillus L.
32 Sylvia Townsendi Aud.
38 Sylvia Carolinensis Bon.
51 Dendroica tigrina (Gml.) Gr. Exceedingly abundant
58 Sylvia americana (L.) Bp.
71 Dendroica virens (Gml.) Bd.
76 Dendroica caerulescens (L.) Bd.
78 Dendroica coronata (L.) Gr.
107 Pyranga rubra (L.) D.
139 Carpodacus purpureus (Gml.) Br.
149 Chrysomitris tristis (L.) Bp.
169 Melospiza melodia (Wils.) Bd.
174 Junco hyemalis (L.) Scl.
179 Struzella passerina (Wils.) Bp.

182 Zonotrichia albicollis (Gml.) Bp.
187 Passer domesticus (L.)
204 Vireo crassirostris (Sw.)
228 Agrius americanus (Aud.)
234 Tyrannus crinitus (L.) Kn.
252 Sayornis fuscus (Gml.) Bd.
276 Empidonax pusillus (Sw.) Bd.
299 Picus pubescens L.
309 Melanerpes varius (L.) Bd. Very abundant.
312 Colaptes auratus (L.) Kn. abundant.
318 Scops asio (L.) R. seen
344 Falco columbarius L. seen
383 Bonasa umbellus (L.) Steph.
412 Philohela minor (Gml.) Gr.

I leave for Philadelphia to night, and most of the migratory species will have passed through by the time I will have returned.

(14)

October 14th.

I took a walk in the woods to day, and quite contrary to my expectations found that several of our more delicate birds remained. I found a Swainson's Thrush that had, in some inexplicable manner, gotten its leg fast between two large stones in the side of the road. I saw it fluttering and hastened to release it; though at first I thought that to end its life at once, might be the most humane course, on second thought it occured to me that if myself left the alternative I should certainly choose to have my life with only one leg, than not at all: so I ~~released it~~ plunged my hand and swept it over fluttering wretches that if not indicative of joy, certainly indicated pleasure at being freed to fly again and at having its grievous suffering partly relieved.

List of Birds (Seen)

Turdus Swainsoni Cab.
Sialia sialis (L.) Waldeman
Regulus calendula (L.) Licht
Regulus Satrapa Licht.
Parus atricapillus L.
Sitta carolinensis Tm.
Certhia familiaris L.
Anorthura hyemalis (Vils) Cs.
Minotilta varia (L.) V.
Dendroica virens (Tm.) Bd.
Dendroica caerulescens (L.) Bd.
Dendroica coronata (L.) Tr.
Dendroica striata (Forst.) Bd.
Carpodacus purpureus (Tm.) Tr.
Junco hyemalis (L.) Sct.
Spizella socialis (Vils) Bp.
Zonotrichia albicollis
Passer domesticus L.
Corvus americanus Aud.
Cyanurus cristatus (L.) Sus
Ceryle alcyon (L.) Boie
Picus pubescens L.
Sphyrapicus varius (L.) Bd.

October 15th, 1876.

This morning the ground is covered with snow several inches deep. A more remarkable freak of this climate I have never known.

The apple trees, loaded with their beautiful fruit and dark green foliage, were bent low down under a weight of snow; away in the fields grown up with laurel and sweet-fern it was real winter; but, on glancing up at the mountains one was almost startled by the brilliancy of the blended autumnal tints of

foliage, and the snow. This combination of autumn and mid-winter is exquisitely beautiful and I never saw anything like it before.

Many of our summer Warblers came flocking about the house, and at breakfast there were numbers of them on the piazza and the roses by the window. There were lots of Yellow-rumps and one very pretty little Black-throated Blue which after hopping about the rose bush, spreading its wings and tail, flew down onto the piazza and meant to fly right into the room, but the glass prevented it, and it was so frighted that it flew away and did not return. The Ruby-crowned Kinglets have also paid us a visit, together with the snow-birds.

I took a walk after breakfast to see how the birds liked this snow and these cold winds. The Thrushes were demure; the Snow-birds were delighted, flying among the branches and covering themselves with snow; the Woodpeckers, Nothatches and Brown Creepers, as usual, were too busily engaged in climbing on the tree-trunks & eating up unfortunate bugs of different sorts, to know, or care much whether it snowed, rained, or was fair weather. The Warblers were if possible more nimble and vivacious than ever, flying among the apple branches and shaking down large falls of snow over themselves so as to nearly bury themselves, and then looking up so cutely and surprised as if they did not know

List of Birds Seen

Turdus migratorius L.
Turdus fallasi Cab.
Sialia sialis (L.) Hyldeman
Regulus calendula (L.) Licht.
Regulus satrapa Licht.
Parus atricapillus L.
Sitta carolinensis Lin.
Anorthura hyemalis (Vieil.) Coues
Cistothorus stellaris (Licht.) Cab.
Troglodytes aedon Vieill.
Certhia familiaris L.
Anorthura hyemalis (Vieil.) Coues
Parula americana (L.) Bp.
Dendroica virens (Gm.) Bd.
Dendroica caerulescens (L.) Bd.
Dendroica coronata (L.) Sw.
Seiurus aurocapillus (L.) Sw.
Geothlypis trichas (L.) Bp.
Melospiza palustris (Wils.) Bd.
Melospiza melodia (Wils.) Baird.
Junco hyemalis (L.) Sel.
Spizella socialis (Wils.) Bp.
Zonotrichia albicollis (Gm.) Bp.
Passer domesticus Flem.
Corvus americanus Aud.
Quiscalus quiscula (L.) Sw.
Molothrus pecoris (Gm.) Bp.
Agelaius phoeniceus (L.) Vieill.
Icterus spurius (L.) Bp.
Icterus galbula (L.) Bp.
Spinus tristis (L.) Bp.
Poocetes gramineus (Gm.) Bd.
Melospiza fasciata (Gm.) Bd.
Melospiza palustris (Wils.) Bd.
Zonotrichia albicollis (Gm.) Bp.
Passerella iliaca (Merr.) Sw.
Pipilo erythrophthalmus (L.) Vieill.
Cyanospiza cyanea (L.) Baird.
Progne subis (L.) Baird.
Hirundo erythrogastra Bodd.
Ampelis cedrorum (Vieill.) Baird.
Lanius borealis Vieill.
Vireo olivaceus (L.) Bp.
Mniotilta varia (L.) Bp.
Helminthophaga celata (Say) Bd.
Helminthophaga ruficapilla (Wils.) Bd.
Dendroica maculosa (Gm.) Baird.
Dendroica coronata (L.) Sw.
Dendroica virens (Gm.) Bd.
Dendroica caerulescens (L.) Bd.
Dendroica pensylvanica (L.) Bd.
Dendroica castanea (Wils.) Bd.
Dendroica blackburniae (Gm.) Bd.
Dendroica tigrina (Gm.) Bd.
Dendroica aestiva (Gm.) Bd.
Setophaga ruticilla (L.) Sw.
Seiurus aurocapillus (L.) Sw.
Seiurus noveboracensis (Gm.) Nutt.
Seiurus motacilla (Vieill.) Cab.
Geothlypis trichas (L.) Bp.
Sylvania mitrata (Gm.) Bp.
Sylvania canadensis (L.) Bp.
Anthus pensylvanicus (Lath.) Bp.
Mimus polyglottos (L.) Boie
Galeoscoptes carolinensis (L.) Cab.
Harporhynchus rufus (L.) Cab.
Troglodytes aedon Vieill.
Certhia familiaris L.
Anorthura hyemalis (Vieil.) Coues
Parula americana (L.) Bp.
Dendroica virens (Gm.) Bd.
Dendroica caerulescens (L.) Bd.
Dendroica coronata (L.) Sw.
Seiurus aurocapillus (L.) Sw.
Geothlypis trichas (L.) Bp.
Melospiza palustris (Wils.) Bd.
Melospiza melodia (Wils.) Baird.
Junco hyemalis (L.) Sel.
Spizella socialis (Wils.) Bp.
Zonotrichia albicollis (Gm.) Bp.
Passer domesticus Flem.
Corvus americanus Aud.
Quiscalus quiscula (L.) Sw.
Pipilo erythrophthalmus (L.) Vieill.
Icterus spurius (L.) Bp.
Spinus tristis (L.) Bp.
Melospiza fasciata (Gm.) Bd.
Passerella iliaca (Merr.) Sw.
Cyanospiza cyanea (L.) Baird.

October 16th.

Turdus migratorius L.
Turdus fallasi Cab.
Turdus swainsoni Cab.
Sialia sialis (L.) Hyldeman
Progne subis (L.) Baird.
Sitta carolinensis Lin.
Regulus calendula (L.) Licht.
Regulus satrapa Licht.

Turdus aedon V. (Cuv. & Journ. 2nd ed.) 269
L. 269
Certhia familiaris L.
Anorthura hyemalis (Vieil.) Coues
Parula americana (L.) Bp.
Dendroica virens (Gm.) Bd.
Dendroica caerulescens (L.) Bd.
Dendroica coronata (L.) Sw.
Seiurus aurocapillus (L.) Sw.
Geothlypis trichas (L.) Bp.
Melospiza palustris (Wils.) Bd.
Melospiza melodia (Wils.) Bd.
Junco hyemalis (L.) Sel.
Spizella socialis (Wils.) Bp.
Zonotrichia albicollis (Gm.) Bp.
Passer domesticus Flem.
Corvus americanus Aud.
Quiscalus quiscula (L.) Sw.
Pipilo erythrophthalmus (L.) Vieill.
Icterus spurius (L.) Bp.
Spinus tristis (L.) Bp.
Melospiza fasciata (Gm.) Bd.
Passerella iliaca (Merr.) Sw.
Cyanospiza cyanea (L.) Baird.

The Wilsons' Snipe were the first I have ever seen alive. I put up the first one on the salt marsh by the edge of the river and fired at it with both barrels, hitting it each time but still it flew only that after a little it flew slower and then flew straight up in the air, when it fell flapping into the reeds, where, after a long search I found it. A few minutes afterward I shot two more in the same marsh, (At Comsock Id.) the first of which flew away several rods before it fell. They all uttered a singular squacking noise when they first flew up.

These three birds are all I have ever seen but some are shot by the sportsmen every spring and fall.

October 17th.

1 Turdus minor Gm. L.
Turdus Wallasi Cat.
Regulus Swainsoni Cab.
Turdus aliciae (Bd.) Bd.
Zonotrichia leucophrys (Forst.) Bd.
Zonotrichia querula (Nutt.) Bd.
Regulus calendula (L.) Licht.
Regulus Sahrapa Licht.
Regulus cristatus L.
Certhia familiaris L.
Anthus ludovicianus (Gm.) Bd.
Dendroica coronata (L.) Bd.
Dendroica caerulescens (L.) Bd.
Dendroica virens (Gm.) Bd.
Chrysomitris tristis (L.) Bd.
Melospiza melodia (Wils.) Bd.
Melospiza fasciata (Gm.) Bd.
Fringilla socialis (Wils.) Bd.
Fringilla passerina Bp.
Zonotrichia albicollis (Gm.) Bd.
Passer domesticus Linn.
Colurus americanus (Gm.) Bd.
Cyanurus cristatus (L.) Swn.
Hylocichla fuscescens Steph. Bd.
Picus pubescens L.
Sphyrapicus varius (L.) Bd.
Dendragapus canadensis (L.) Bd.
Callipepla californica (Shaw) Bd.
Callipepla squamata (Vig.) Bd.
Meleagris gallopavo L.
Ectopistes migratorius (L.) Bd.
Columba fasciata Say Bd.
Columba leucocephala L.
Columba flavirostris Wagl.
Columba passerina L.
Columba inca Less.
Columba montana Scl. & Salv.
Columba speciosa Gm.
Columba rufina Temm.
Columba maculosa Temm.
Columba corensis Gm.
Columba cayennensis Gm.
Columba plumbea Vieill.
Columba carolinensis Linn.
Ectopistes migratorius (Linn.) Bd.
Zenaida amabilis Bp.
Zenaida graysoni (Lawr.) Bd.
Zenaida zenaida (Bonap.) Bd.
Melopelia leucoptera (Gm.) Bd.
Chaemepelia passerina (L.) Bd.
Chaemepelia rufipennis (Bp.) Bd.
Columbigallina talpacoti (Temm.) Bd.
Columbigallina minuta (L.) Bd.
Columbigallina passerina (L.) Bd.
Columbigallina pallescens (Baird) Bd.
Columbigallina cruziana (Lafr.) Bd.
Columbigallina buckleyi Bd.
Columbigallina picui (Temm

Sp. ictericaefillus L.
Helia canadensis Wm.
Xanthia flavirubris L.
Cryptolitha lugens (Wlk) Gn.
Dendroica coronata (L) Wm.
Dendroica virens (Gm) Wm.
Thryomanes bewickii (Aud) Bp.
Melospiza palustris (Wils) Bd.
Melospiza melodia (Wils) Bd.
Fringilla socialis (Wils) Bp.
Fringilla fusilla (Wils) Bp.
Spizella pusilla (Wils) Bp.
Spizella monticola albicollis (Gm) Bp.
Passer domesticus Linn
Corvus americanus Aud.
Cyanurus cristatus (L) Vieil.
Picus pubescens L.
Sphyrapicus varius (L) Bd.
Dryobates villosus (Linn) Bp.

I have seen no Kingfisher for several weeks. It is not time for them to have returned South, yet.

Labels of Specimens

No. 1250 Coccothraustes vespertinus Cass. Sep 5. 1876. H.F.
Iris brown. Bill black, brownish at base of mandible. Legs and feet black.
7 3/16, 12 4/16, 4, 2 8/16.

1251 Seiurus noveboracensis (Gm.) Nutt. ♀ Aug. 31.
Cedrock Sd. Huds. Riv. N.Y. 6, 1 4/16, 2 15/16, 2 3/16.

1252 Pezana carolina (L) Vieil. ♂ juv. Sep. 6. H.F.
Iris brown. Bill greenish yellow. Legs and feet yellow. 9 12/16, 15 4/16, 4 10/16, 2 2/16.

1253 Helmitis vermivorus (L) Gr. ♂ juv. Sep. 8. Orange Co. Iris reddish brown. Bill, legs & feet black
9, 11 12/16, 3 10/16, 2 11/16.

1254 Dendroica dominica (L) Vieil. ♀ Sep 12. H.F.
Iris brown. Bill greenish horn color. Legs & feet lead-color. 7 6/16, 11 11/16, 3 3/16, 2 13/16.

1255 Setophaga ruticilla (L) Sw. ♂ Sep. 11. H.F.
Iris brown; bill greenish black; legs & feet greenish black. 8 3/16, 16, 5 2/16, 2 3/16.

1256 Dendroica virens (Gm) Cab. ♀ Sep. 14. H.F.
Iris brown. Bill black, yellow at base of mandible. Legs and feet ~~yellow~~ black
6 3/16, 10 8/16, 3 3/16, 2 10/16.

1257 Seiurus noveboracensis (Gm.) Nutt. ♀ Sep. 11. H.F. Bill greenish black. Legs and feet brownish. Iris brown
5 15/16, 9 4/16, 3, 2 1/16. Sarsi 14/16

1258 Hirundo horreorum Barton. ♂ juv. Sep. 12. Cornwall Sd. Huds. Riv. N.Y. Iris dark; bill and feet blackish.
6 4/16, 12 2/16, 4 9 2/16, 2 8/16.

1259 Sphyrapicus ~~varius~~ ruber (Gm) Bd. ♀ Sep. 11. H.F. Iris brown; bill with maxilla brownish-black; mandible, legs and feet yellow.
5 8/16, 9 2/16, 2 2/16.

1260 Dendroica ~~coronata~~ maculosa (Gm.) Vieil. ♀ Sep. 12. Cornwall Sd. Hudson River, N.Y.
Iris brn.; bill brownish, flesh color, on mandible, legs and feet flesh color.
5 13/16, 9 3/16, 2 14/16, 2 5/16. Sarsi 12/16. Bill 7/16.

1261 Dendroica pennsylvanica (L) Bd. ♂ juv. Sep. 14th. H.F. Iris ~~—~~; Bill with maxilla blackish, mandible lead color. Legs feet lead color
5 1/16, 7 12/16, 2 7/16, 1 15/16.

1262 Seiurus ~~noveboracensis~~ maculatus (Gm.) Bd. ♀ juv. Sep. 14. Cornwall Sd. Hudson River N.Y.
7 13/16, 13 12/16, 4 5/16, 2 4/16.

1263 Vireo olivaceus (L) Vieil. ♀ Sep 8. H.F.
Iris reddish brown.; bill Mouse black; legs & feet lead-color 6 3/16, 10 6/16, 3 4/16, 2 2/16

No. 1264. Dendroica maculosa (Gm.) Bd. ♀ jiv. Sep 11. H.F. Iris brown; bill with maxilla brownish black, mandible yellow, tipped blackish. Tarsi brownish black; toes brownish yellow.
5, 7 9/16, 2 6½/16, 1 15/16.

1265 Dendroica virens (Gm.) Bd. # Sep 12. H.F. Iris brown. Bill and feet blackish.
5 3/16, 7 13/16, 2 8/16, 2. (6 3/16, 10 6/16, 3 4/16, 2 2/16.

1266 Vireo olivaceous (L.) V. ♀ jiv. Sep 8. H.F. Iris brown; bill bluish black; legs & feet lead-color.

1267 Parula americana (L.) Bp. ♂ jiv. Sep 11. H.F. Iris brown; bill with maxilla black; mandible yellow; legs brownish black; soles of feet yellow. 4 13/16, 7 10/16, 2 6/16, 1 12/16.

1268. Mniotilla varia (L.) V. ♀ Sep 15. H.F. Iris brown; bill blue black.
5 2/16, 8 2/16, 2 9/16, 1 14/16.

1269 Vireo olivaceous (L.) V. ♂ jiv. Sep 11. H.F. Iris brown; bill with maxilla blackish, mandible bluish white; legs & feet lead color.
6 2/16, 10 3/16, 3 4½/16, 2 3/16.

1270 Chrysomitris tristis (L.) Bp. ♂ ad. Sep 12. Consook Id. Huds. Riv. Iris brown; bill brownish yellow; legs & feet brown.
5, 9, 2 15/16, 1 15/16.

1271 Dendroica virens (Gm.) Bd. ♀ (?) Sep 11. H.F. Iris brown; bill brownish black; legs and feet blackish, soles of feet yellow.
5, 7 10/16, 2 8/16, 2 1/16.

1272 Parula americana (L.) Bp. ♂ jiv. Sep 8. H.F. Iris brown; bill above brown, below yellow; legs brownish yellow. 4 4/16, 7 7/16, 2 5/16, 1 12/16.

1273 Dendroica virens (Gm.) Bd. # Sep 6. H.F.
5, 7 5/16, 2 6/16, 1 15/16.

1274 Troglodytes aedon V. ♂. Sep 14. H.F. Iris brown; bill above blackish; bill W horn-color. Legs & feet brownish flesh-color. 5 3/16, 6 11/16, 2 1/16, 1 14/16.

No. 1275 Perriglossola ligrina (Gm.) Bd # Sep 8. 1876. Consook Id. Hudson River N. Y. Iris brown; bill and feet black.
5 3½/16, 8 5/16, 2 11/16, 2.

1276. Dendroica castanea (Wils.) Bd ♀ jiv Sep. 18. H.F. Consook Id. Huds. Riv. N.Y. Iris brown; bill with maxilla blackish, mandible yellow at base; tipped dusky. 5 6/16, 8 5/16, 2 10/16, 1 14/16.

1277 Helminthophaga ruficapilla (Wils.) Bd. ♂ Sep. 16. H.F. Iris brown; bill brownish, yellow at base of mandible. Legs and feet brownish yellow.
4 12/16, 7 6/16, 2 6/16, 1 12/16.

1278 Telmatodytes palustris (Wils.) Cab. ♀ jiv. Sep. 18. Consook Id. Huds. Riv. N.Y. Iris brown; bill above black, below horn-color, legs and feet brown. 4 12/16, 6, 1 14/16, 1 8/16.

1279 Helminthophaga peregrina (Wils.) Cab. ♂ jiv. Sep. 20. 1876. Iona Id. Huds. Riv. N.Y. Iris brown; Bill blackish, base of mandible horn-color; Legs and feet blackish.
5, 7 11/16, 2 8/16, 1 11/16.

1280 Dendroica virens (Gm.) Bd. ♂ jiv. Sep 29. Put. Co. N.Y. Iris brown. Bill and feet blackish.
5 3/16, 7 13/16, 2 9/16, 2 1/16.

1281 Dendroica pennsylvanica (L.) Bd. jiv. Sep. 29. Putnam Co. N.Y. Iris brown; bill black on maxilla; mandible, legs and feet lead-color.
4 15/16, 7 8/16, 2 7/16, 1 14/16.

1282 Sphyrapicus varius (L.) Bd. ♂ jiv. Sep 29. H.F. Iris dark brown; bill greenish; legs & feet lead-color.
8, 14 8/16, 4 10/16, 2 14/16.

1283. Zonotrichia albicollis (Gm.) Bp. ♂ Sep 29. Put. Co. N.Y. Iris brown; bill horn-color at base of mandible, resedeiw dusky; Legs & feet flesh-color.
6 7/16, 9, 2 14/16, 2 11/16.

1284 Parus atricapillus L. ♂ Sep 29. Putnam Co. N.Y. Iris dark; bill bluish black; legs & feet lead-color.
5 10/16, 8 4/16, 2 12/16, 2 10/16.

No. 1285. Vireo solitarius (Wils.) V. ♀ jiv. Sep 29. Put. Co. N.Y. Iris brown; bill blue black; legs and feet lead-color. 5 12/16, 9 6/16, 3, 2 3/16.

1286 Parula americana (L.) Bp. ♂ jiv. Sep 29. 1876. Putnam. Co. N.Y. Bill with maxilla black, mandible yellow; legs & feet yellowish brown; Iris brown. 4 15/16, 7 12/16, 2 8 1/2/16, 1 14/16.

1287 Dendroica caerulescens (L.) Bd. ♂ ad. Sep 29. H.F. Iris brown; bill blackish; legs & feet yellowish brown. 5 7/16, 8 2/16, 2 10/16, 2 4/16.

1288 Spizella pusilla (Wils.) Bp. ♂ Sep 29. H.F. Iris brown; bill, legs & feet reddish brown. 5 11/16, 8 2/16, 2 9/16, 2 8/16.

1289 Helminthophaga peregrina (Wils.) Cab. ♀ jiv. Sep 30. 1876. Consook Id. Huds. Riv. N.Y. Iris hazel; bill blackish, horn color on base of mandible; legs & feet lead-color, soles of feet yellow. 4 11 1/2/16, 7 4/16, 2 6/16, 1 10/16.

1290 Dendroica blackburniae (Jm.) Bd. ♂ jiv. Sep. 30. H.F. Iris hazel; bill above blackish, horn color on base of mandible. Legs & feet yellowish brown. 5, 8 4/16, 2 11/16, 1 15/16.

1291 Dendroica blackburniae (Jm.) Bd. ♀ ad. Sep 30. H.F. Iris hazel; bill above blackish, horn color on base of mandible; legs & feet yellowish brown. 5 6 1/2/16, 8 6/16, 2 12/16, 2.

1292 Sphyrapicus varius (L.) Bd. ♂ jiv. Sep 30. H.F. Iris dark brown; bill blackish horn-color; Legs & feet lead color. 8 13/16, 15 8/16, 5, 3.

1293 Melospiza palustris (Wils.) Bd. ♀ jiv. Sep 30. Consook Id. Huds. Riv. N.Y. Iris brown; bill dusky; legs & feet brown. 5 13/16, 7 6/16, 2 3/16, 2 5/16.

1294 Melospiza palustris (Wils.) Bd. ♂ jiv. Sep 30. Consook Id. Huds. Riv. N.Y. Iris brown; bill dusky; legs & feet brown. 6 1/16, 7 14/16, 2 7/16, 2 6/16.

No. 1295 Harporhynchus rufus (L.) Cab. ♂ jiv. October 3. H.F. Iris yellow; bill black, with basal half of mandible horn color. 11 4/16, 12 11/16, 4 2/16, 5 1/16.

1296 Sphyrapicus varius (L.) Bd. ♀ ad. Oct 3. H.F. Iris hazel; bill dusky; legs & feet lead color. 8 10/16, 15 12/16, 5 2/16, 3 7/16.

1297 Turdus Swainsoni Cab. ♀ October 3. 1876. H.F. Iris brown; bill black, with base of mandible horn-color; legs and feet fleshy brown. 7 2/16, 11 11/16, 3 14/16, 2 12/16.

1298 Dendroica maculosa (Jm.) Bd. ♀ ad. Oct 3. H.F. Iris hazel; maxilla black; mandible flesh-color; legs & feet dark brown. 5 3/16, 7 9/16, 2 6/16, 2.

1299 Dendroica castanea (Wils.) Bd. ♂ jiv. October 3. H.F. Iris brown; bill blackish, flesh color on mandible; legs and feet blackish brown. 5 11/16, 9, 2 15/16, 2 3/16.

1300 Dendroica caerulescens (L.) Bd. ♂ ad. Oct. 3. H.F. Iris hazel; bill blackish; legs & feet yellowish brown. 5 4/16, 7 12/16, 2 7/16, 2.

1301 Dendroica virens (Jm.) Bd. ♀ October 3rd. H.F. 5 1/16, 7 8/16, 2 6 1/2/16, 2.

1302 Regulus Satrapa Licht. ♂ ad. Oct 3. H.F. Iris dark brown; bill black; legs and feet brownish black. 4 7/16, 7 11/16, 2 7/16, 1 15/16.

1303 Regulus Satrapa Licht. ♀ ad. Oct 3. H.F. Iris dark brown; bill black; legs & feet brownish black; feet yellowish brown. 4 3/16, 6 10/16, 2 4/16, 1 12/16.

1304 Sphyrapicus varius (L.) Bd. ♀ ad. Oct. 4. Cornwall On the Hudson. N.Y. Iris dark brown; bill bluish blk; Legs lead color. 8 11/16, 15 8/16, 5 2/16, 3 6/16.

1305 Sphyrapicus varius (L.) Bd. ♂ jiv. Oct. 4 Cornwall On the Hudson N.Y. (Colors of parts like No. 1304.) 8 7/16, 15, 5, 3 2/16.

1306 Junco hyemalis (L.) Scl. ♂ ad. Oct 4. Cornwall on the Hudson, N.Y. Iris brown; bill with maxilla blackish, tinged with flesh color; mandible flesh-color. Legs & feet brown. 6 4/16, 9 14/16, 3 3/16, 2 12/16.

No. 1307 Porzana carolina (L.) V. ♀ juv. Oct 4. Consook. Id. Huds. Riv. N.Y. Iris red; bill greenish olive; legs & feet green 8 12/16, 14, 4 5/16, 2.

1308 Anorthura hyemalis (Vhls.) Cs. juv. Oct. 4. Cornwall on the Hudson N.Y. Iris brown; bill black on maxilla; mandible flesh-color; legs & feet brown.
4 1/16, 6, 1 14/16, 1 2/16.

1309 Dendroica maculosa (Sm.) Bd. ♂ juv. Oct 5th. ~~Cornwall on the~~ H.F. N.Y. Iris brown; bill with maxilla blackish, mandible horn-color at base; legs and feet brownish black
5 1/16, 7 7/16, 2 5/16, 1 14/16.

1310 Dendroica caerulescens (L.) Bd. ♂ ad. Oct. 5th. H.F. Iris brown; bill blackish; legs & feet light brown
5 4/16, 7 15/16, 2 9/16, 2.

1311 Certhia familiaris L. ♀ Oct 5. H.F. Iris brown; bill with maxilla black, mandible flesh-color, legs & feet brown.
5 10/16, 7 12/16, 2 9/16, 2 9/16.

1312 Gallinago wilsoni (Temm.) Bp. ♂ ad. Oct. 16. Consook. Id. Hudson Riv. N.Y. Iris brown; bill brownish at base, blackish at tip; legs and feet greenish. (Mounted)
11 2/16, 17 4/16, 5 5/16, 2 8/16. Bill 2 8 1/2/16.

1313 Gallinago wilsoni (Temm.) Bp. ♂ juv. Oct 16. Consook. Id. Huds. Riv. N.Y. (Colors of parts the same as No. 1312. 10 8/16, 16 2/16, 5, 2 4/16, Bill 2 7/16.

1314 Carpodacus purpureus (Sm.) Gr. ♂ ad. Oct 6. H.F. Iris brown; Bill dusky; legs & feet brown
6 2/16, 10 7/16, 3 7/16, 2 6/16.

1315. Troglodytes aedon V. ♀ Oct. 16th. H.F. Iris brown; bill with maxilla black; mandible horn color; legs dusky
4 13/16, 6 6/16, 2, 1 11/16.

1316 Dendroica caerulescens (L.) Bd. ♂ ad. Oct 14. H.F. Iris brown; bill black, legs & feet blackish
5 5/16, 7 14/16, 2 9/16, 2 1/16.

No. 1317 Minotilla varia (L.) V. ♀ ad. Oct. 14th. H.F. Iris brown; bill with maxilla black, mandible horn-color; legs and feet yellowish brown.
5 8/16, 8 9/16, 2 12 1/2/16, 2 1/16

1318 Regulus calendula (L.) Licht ♂ ad. Oct. 14th. H.F.

1319 Turdus aliciae (Bd.) Cs ♂ Oct. 17th. H.F. Iris brown; bill black, flesh-color at base of mandible; legs and feet dusky 8 4/16, 13, 4 4/16, 3 2/16.

1320 Colaptes auratus (L.) Sw ♂ ad. Oct. 18th. H.F. Iris reddish brown; bill black; legs & feet lead-color.
13, 20 13/16, 6 3/16, 4 12/16.

1321 Sialia sialis (L.) Haldeman ♂ ad. Oct. 18th. H.F. Iris brown; bill and feet black.
7, 12 5/16, 4 1/2/16, 2 10/16.

1322 Turdus pallasi Cab. ♂. Oct. 18th. H.F. Iris brown; bill black, base of mandible flesh-color; legs and feet light brown.
7 3/16, 11 9/16, 3 11 1/2/16, 2 13/16.

1323 Turdus pallasi Cab. ♀. Oct. 18th. H.F. (Colors of parts as in No. 1322) 6 15/16, 11, 3 8/16, 2 9/16.

1324 Bubo virginianus (Sm.) Bp. ♂ juv. Oct 17th. 1876 Orange Co. N.Y. Iris yellow, bill and claws bluish black. 21 14/16, 55 4/16, 14 6/16, 8 10/16.

1325 Gallinago wilsoni (Temm.) Bp. ♂ ad. Oct 19th. Consook. Id. Huds. Riv. N.Y. Iris brown; bill blackish; legs and feet yellowish green.
11, 17 3/16, 5 2/16, 2 4/16. Bill 2 7/16

October 23rd.

Turdus migratorius L.
Turdus pallasi Cab.
Sialia sialis (L.) Haldeman
Regulus calendula (L.) Licht.
Regulus satrapa Licht.
Parus atricapillus L.
Sitta carolinensis Sm.

♂ Seiú. haga ruticilla (L) Sw.
Ceothlypis familiaris L.
♂ Anorthura hyemalis (Vieil.) Cab.
Dendroica virens (Gm.) Bd.
Dendroica coronata (L.) Sw.
Dendroica palmarum (Gm.) Bd.
Chrysomitris tristis (L.) Bp.
Melospiza palustris (Wils.) Bd.
Melospiza melodia (Wils.) Bd.
Junco hyemalis (L.) Scl.
♂ Spizella socialis (Wils.) Bp.
Zonotrichia albicollis (Gm.) Bp.
Zaitzelius dumesticus Linn.
Pipilo erythrophthalmus (L.) V.
Corvus americanus Aud.
Cyanurus cristatus (L.) Sw.
♂ Sayornis fuscus (Gm.) Bd.
Picus pubescens L.
♂ Ghrysomitris varius (L.) Bd.
Colaptes auratus (L.) Sw.
♂ Syrnium nebulosum (Forst.) Gr. Linn
Buteo borealis (Gm.) V.
♂ Ag. Sparsa (L.) Bosc.
Lurgnedula carolinensis (Gm.)

October 25th.

The only Warblers present here were the ubiquitous Yellow-rumps. I do not expect to see many other warblers this year. The Chippies are still with us. The Snowbirds are in large flocks; so are the Yellowbirds, and the Brown Creepers and White headed Nuthatches are very numerous.

I went to Pell's Pond this evening and I shouted very loud for the sake of the Echo, and twice immediately answered from the opposite side of the pond, by the sweet note of the Towhee Bunting, probably the last I will hear this year.

No. 1326 ♂ Ag. sparsa (L.) Bosc ♂. October 23. 1876. ~~Eagle Valley~~, ~~Orange Co. N. Y.~~ Echo Lake, Orange Co. N. Y. ♂ Iris brown; eyelid red; bill with base of maxilla orange – then red – thence sides white – ridge and tip, also mandible, black. Legs and feet muddy yellowish brown – webs black.
16 2/16, 27 7/16, 8 7/16, 7 7/16.

1327 ♂ Chrysomitris varius (L.) Bd. ♂ ad. Oct. 21. H.T. Iris dark brown; bill blackish; legs and feet lead-color. 8 14/16, 15 9/16, 4 15/16, 3 7/16.

1328 ♂ Syrnium nebulosum (Forst.) Gr. ♀. Oct. 23. Eagle Valley, Orange Co. N. Y. ♂ Irides blk; soles of feet yellow; Bill very light greenish yellow. Claws blueish black
19 4/16, 44 12/16, 12, 8 14/16.

October 28th. 1876

List of Birds Seen to-day (in Putnam Co.)

Turdus migratorius L.
Turdus fallasii Cab.
Sialia sialis (L.) Waldeman
Regulus calendula (L.) Licht
Regulus satrapa Licht.
Parus atricapillus L.
♂ Sitta carolinensis Gm.
♂ Anorthura hyemalis (Vieil.) Cab.
Certhia familiaris L.
Dendroica virens (Gm.) Bd.
Dendroica coronata (L.) Sw.
Carpodacus purpureus (Gm.) Bd.
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Wils.) Bd.
♂ Spizella socialis (Wils.) Bp.
Zonotrichia albicollis (Gm.) Bp.
Junco hyemalis (L.) Scl.
Passerella iliaca (Merrem) Sw.
Passer domesticus Linn.

Icterophagus ferrugineus (Gm.) Sw.
Corvus americanus Aud.
Cyanurus cristatus (L.) Sw.
Ceryle alcyon (L.) Boie.
Picus pubescens L.
Bonasa umbellus (L.) Steph.
Ortyx virginianus (L.) Bp.
Vix sponsa (L.) Boie

Notes Oct 29th 1876.

Ampelis cedorum (V.) Bd. — I have seen none lately.
Spizella socialis (Wils.) Bp. — Growing quite scarce.
Passerella iliaca (Merrem) Sw. — First seen on the 27th.
Pipilo erythrophthalmus (L.) V. — Yesterday (28th) I heard the notes of a Chewink in a marsh opposite to Constitution Id, and after a search I discovered the bird among the reeds. It had been disabled and thus prevented from migrating as usual; so I did not include it in the list of bds. seen on that day. The bird was a fine adult male.

October 30th 1876.

Yesterday (Sunday) afternoon I took a long ramble through the woods to Cranberry Pond, thence by the old wood-road, back of Fort Montgomery, and across fields to the Poplar Creek; down the creek to the bridge; to Highland Lake and around it; and home.
The only birds I saw worth noting were the Spizella monticola (Tree Sparrow); the first I have seen this autumn.

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1876-77

No. 1339 Scolopax sp. (L.) Bp. ♀ December 27. 1876. H.F.
19 3/16, 2 2 11/16, 6 9/16, 3 3/16. Iris yellow. Bill greenish yellow. Soles of feet greenish flesh-color. Claws horn-color shading into blackish at tip.
Was caught in the street in front of the Post Office, where it was flying about in the day-time.

Finis ends the year 1876.

Nyctea nivea — A snowy owl was shot in the western part of this County, about Jan 20. 1877. Its alar extent was 65 in.

January. 31. Up to this date all the birds have been extremely scarce, and no unusual ones have appeared.
The Picus pubescens L. have been abundant
do villosus L. do (all winter) occasional.
Ampelis cedrorum — have not been seen.
Sialia sialis (L.) Baldeman — seen first today
Colluris borealis — has not been seen
Fondus migratorius L. not seen this winter
Scops asio (L.) & Haliaetus leucocephalus (L.) have
Occasionally seen.

Feb. 12, 1877 List of Birds seen
Sialia sialis L. Baldeman
Parus atricapillus L.
Sitta canadensis L.
Carpodacus purpureus

Colluris borealis (1877) A.J. Bd. — Once seen & shot.

~~No. 1340 Sialia sialis (L.) ♂ ♀ Dec 2~~
Butio lineatus (Gm.) Jardine.
Picus pubescens L.
Bonasa umbellus (L.) Steph.
Corvus americanus Aud.
Haliaetus leucocephalus (L.) Sav.
Larus argentatus (L.) Brunn.
Strix stridula (Linn.) Bori ?

No. 1340 Colluris borealis (L.) Bd. Fad. Feb 12. 1877.
Constitution Island. — Marshes. Tarsi 14/16. Bill 11 3/4/16. 10 1/16, 14, 4 6/16, 4 3/16. Irides dark hazel; bill blue-black, with base of mandible flesh-color. Legs & feet black.

February 16.
The Regulus satrapa, Junco hyemalis, and Spizella monticola have all been rather scarce this winter — especially the first. So have the Certhia familiaris Ampelis cedrorum. Seen this morning for the first time this winter.
Sitta sialis — rather abundant.
Haliaetus leucocephalus — very numerous.

A. List of Birds seen Off Fort Miller, Washington Co. N.Y., from Feb. 26. — Mar 1. 77
Parus atricapillus L.
Sitta carolinensis Gm.
Certhia familiaris L.
Loxia americana (Wils) Bp. (Large flocks)
Corvus americanus Aud.
Lophanus cristatus (L.) Bon.
Picus villosus L.
Bonasa umbellus (L.) Steph.
Pastor domesticus L.
Astur atricapillus (Wils) Bp.
1st — March 3. (Highland Falls)
Sialia sialis (L.) Baldeman
Parus atricapillus L.

Chrysomitris tristis (L.) Bp.
Melospiza melodia (There present all winter)
Junco hyemalis (L.) Scl.
Corvus americanus Aud.
Cyanurus cristatus (L.) Sw.
Picus pubescens L.
Halidetus leucocephalus (L.) Sw. (at once Counted 12.
Larus argentatus (L.) Brunn.
Bucephala albeola (L.) Bd.

March 7.

Turdus migratorius L. First seen since last autumn
Chrysomitris tristis (L.) Bp. – Feeding on seed of White Birch

March 12.

Turdus migratorius L.
Chrysomitris tristis (L.) Bp.
Junco hyemalis (L.) Scl.
Corvus americanus Aud.

No. 1341 Fuligula vallisneria, (Vhls.) Steph. ♂ ad.
Hudson Riv. at Cornwall (Josh Ward)
Length to end of tail 22 5/16 | Extent 35 2/16
do wings 20 4/16 | Wing 9 4/16
do claws 26 8/16 | Tail 2 10/16
Tarsus 1 12/16. Bill along the back 2 15/16; Lower mandible along the edge 2 9/16. (Mounted)
Bill black, with small patches of faint orange showing through, on mandible. Irides bright carmine. Feet grayish blue, tinged with ~~orange~~ yellow, webs blackish.

March 23rd 1877

1342 Fuligula vallisneria, (Vhls.) Steph. ♂ ad.
Locality, colors &c the same as above (1341).
Length to end of tail, 22 5/16 | Extent, 34 12/16.
do wings, 20 4/16 | Wing, 9 2/16.
do claws, 25 8/16 | Tail, 2 9/16.
Tarsus 1 12/16, Bill, along back, 2 15/16; Lower mandible along edge 2 10/16.

1343 Mergus merganser, L. ♂ ad. March 23rd 1877.
Hudson River at Cornwall. (Josh Ward)
Length to end of tail, 26 65/100, 37, 10 30/100, 4 75/100.
do claws 27 30/100 Bill along ridge 2 73/100

Bill along edge of mandible 2 75/100. Tarsi 1 92/100
1st toe & claw 1 72/100. 2nd (inner) toe & claw 2 38/100.
3rd do 3. 4th (outer) do 2 72/100
Legs and feet rich orange-yellow. Bill bright vermilion, with ridge of maxilla, black; also tip of mandible, except a small spot of horn-color. Irides carmine

1344 Mergus merganser, L. ♀ ad. Mch. 23. 1877.
Hudson River at Cornwall (Josh Ward)
Length to end of tail 24 30/100; 34, 9 45/100, 3 95/100.
do claws 25. Tarsi 1 80/100
1st toe & its claw 72/100. 2nd toe & its claw 2 30/100
3rd do 2 80/100. 4th do 2 70/100.
Irides hazel. Bill & feet like male; bill with whitish tip

March 23.

To day arrived the first Passerella iliaca and Sayornis fuscus.
Turdus migratorius L.
Sialia sialis (L.) Haldeman
Larus atricapillus L.
Ampelis cedorum (V.) Bd.
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Vhls.) Bd.
Junco hyemalis (L.) Scl.
Spizella monticola (Gm.) Bd.
Passerella iliaca (Merrem) Sw.
Passer domesticus L.
Corvus americanus Aud.
Picus pubescens L.
Picus villosus L.
Bonasa umbellus (L.) Steph.

March 27.

Shot two males of Ectopistes migratorius (L.) Sw. The first seen
Multitudes of the Melospiza melodia are singing so sweetly everywhere.
Turdus migratorius L. abundant & singing
Chrysomitris tristis (L.) Bp. Feeding on the seeds of the white birch – singing

Junco hyemalis (L.) Scl. very abundant; singing.
Spizella monticola (Gm) Bd. scarce; not yet singing.
Passerella iliaca (Merrem) Sw. Abundant. Not heard singing, yet.
Corvus americanus Aud. Exceedingly abundant; mating; noisy; rather gentle

March 28, 1877.

To day, as I stood before the window, I heard a shriek outside, and looking saw some object coming toward the window. It dashed against the window with such force that it was heard by the ladies on the floor above. It was a bird, probably a Robin, pursued by a Shrike. The latter wheeled about, and allighted upon a small pear tree, near the window, where it remained a little while; then it flew farther off and settled for an instant on extreme summit of a tall pear-tree; then flew to the foot of the garden and allighted on a tall chestnut.

March 30

To-night I took a walk. It was bright moonlight, about 11 o'clock, when I heard two "Hoot-Owls," ~~when I heard two~~ on either side of one on either side of the road. Soon I heard Wild Geese, and soon saw a long flock of them flying low, wheeling, and veering in various directions, keeping up a constant croaking. At last they ~~settled~~ flew toward the pond, and then all was quiet. So I think they spent the night there, but they were not there early the next ~~[illegible]~~ morning.
The Spizella monticola are singing an exceedingly pleasant song

April 2

Colaptes auratus (L.) Sw. First seen this year. Went shooting with Will. Osborn. On the salt Marsh we saw a Meadow Lark

(Sturnella magna) (L.) Sw. It was perched upon the summit of a hay-pole, spreading its wings and tail, and ruffling up its feathers; then it flew (without our allarming it) across the River.
Two others were afterward seen at the north end of the marsh. They were flying up in the air and then dropping, fluttering into the meadow, again. They were very shy; flew away, and allighted on the top of a tall tulip-tree. None of these birds was heard to utter its usual note.
I have never seen more than a single Meadowlark near here, before, on this side of the river. On the opposite side of the river, and at Cornwall they are not rare.

?Strix flammea (?) April 3, 1877

As I was walking among the cedars, at the foot of a ravine, a large white Hawk (?) arose, from the side of a ledge, or from the ground, close to me. The cedars were very thick so that it was difficult to see the bird. I fired both barrels. The first was a miss, and the second only wounded the bird, knocking off a lot of feathers. Still the Hawk (?) held fast the prey it had been eating, and flew heavily across the woods, over a hill. I loaded my gun, and again came up with about half a mile from the there. The bird arose from the ground a long way before me and flew with difficulty over a high wall and was lost to sight. It was pure white, except some dusky bars across the back and wings

I first thought that it was a Hyp-falcus but afterward concluded that it must have been some rare albinistic form of the Accipiter cooperi Bp. or Astur atricapillus. I shall never know, I suppose. Some large feathers afterward picked up at the place where first seen, were pure white, one of them barely marked with two stripes of dusky.

April 4

Five Buteo pennsylvanicus were seen flying together. The first seen this year.

Buteo lineatus - First seen this year

Ardea virescens - do

April 5

Spizella monticola - Still abundant

Pandion carolinensis. First noticed today

Catch of Specimens in Coll. of Wm. Astor.

Dendroica tigrina ♂ ad. W. Lewis, Cold. Spring May 20. 1875. $4\frac{3}{4}$, $7\frac{1}{2}$, $2\frac{9}{16}$, ~~$\frac{7}{8}$~~ $\frac{7}{8}$.
Iris hazel; bill & feet black.

Falco sparverius ♂ Apr. 3. 1875. Fred Astor Harrisons N.Y.

List of Birds Seen At Fairfield Conn. Apr. 7. 1877

Tardus migratorius L.
Sialia sialis (L.) Hald.
Melospiza melodia (Wils.) Bd.
Junco hyemalis (L.) Sel.
Poecetes gramineus Bd. - First seen.
Agelaeus phoeniceus (L.) Vieill.
Molothrus pecoris (Gm.) Sw.
Corvus americanus Aud.
Passer domesticus L.
Hirundo horreorum (Bartr.) Cass. First seen; abundant.
Pandion haliaetus
Circus hudsonius

Zonotrichia albicollis (Gm.) Bp.
Melospiza fasciata (Gm.) Bd.
Melospiza lincolni (Aud.) Bd.
Melospiza georgiana (Lath.) Bd.
Spizella monticola (Gm.) Bp.
Junco hyemalis (L.) Scl.
Passerella iliaca (Merrem) Lawr.
Passerella megarhyncha (Baird) Coues.
Melospiza palustris (Wils.) Bd.
Melospiza fasciata (Gm.) Bd.
Melospiza lincolni (Aud.) Bd.
Melospiza georgiana (Lath.) Bd.
Zonotrichia albicollis (Gm.) Bp

Chrysomitris tristis (L.) Bp.
Turdus migratorius L.
Sialia sialis (L.) Hald.
Regulus calendula — First seen —
Parus atricapillus L. I noticed a Chickadee flying overhead uttering its peculiar note of tee de while on wing.
Poecetes gramineus — first seen here
Spizella monticola (Gm.) Bd.
Melospiza melodia (Wils.) Bd.
Picus pubescens L.
Ectopistes migratorius (L.) Sw.
Junco hyemalis (L.) Scl.
Corvus americanus And.

April 16.

Turdus migratorius L.
Sialia sialis (L.) Hald.
Dendroica pinus, (Wils.) Bd. — First seen
Dendroica palmarum (Gm.) Bd. do.
Certhia familiaris L.
Chrysomitris tristis (L.) Bp.
Poecetes gramineus, (Gm.) Bd. Exceedingly abundant, but so dull in color that a field may be swarming with them when none are visible to the ordinary observer, except when flying whe the white outer tail-feathers are rather conspicuous
Melospiza melodia (Wils.) Bd.
Junco hyemalis, (L.) Scl. Not very plenty
Spizella pusilla, (Wils.) Bp. First seen
Spizella socialis, (Wils.) Bp. do
Passer domesticus L.
Corvus americanus And.
Sayornis fuscus, (Gm.) Bd.
Picus pubescens L.
Colaptes auratus (L.) Sw.
Bonasa umbellus (L.) Steph.

Quiscalus perpureus One seen; seemed restless, sat in a tree spreading its tail and uttering a singular not, resembly both the Cat Bird and Blue Jay.
Molothrus pecoris (Gm.) Sw — abundant in Mr. Kinsley's meadows. I was much amused by the manners of two pairs — two males & two females — that were disporting themselves on the meadow-grass, near where I stood, leaning [illegible].
They ran very swiftly, and gracefully, not hopping. As they ran about in search of food their necks were so much arched and decurved that their bills nearly touched the ground, and this made them look very queer. Sometimes a male would approach a female, running very swiftly, and when he came near her would pitch forward until his bill touched the ground, as if in salutation. This they did very often; and, sometimes, the males would spread their wings, and ruff up all their feathers, draging their expanded tails upon the ground, and so strut up to the side of a female and there stop short.

April 17.

No Warblers or Kinglets were seen today
Fuligula marila (L.) Steph. Three were feeding on the salt-marsh flats.

April 18, 1877.

Turdus pallasi Cab — Not seen this year.
Sialia sialis (L.) Haldeman — Building nests.
Anothura hyemalis. (Wils.) Cs. Not seen this year
Ampelis cedrum (V.) Bd — None present just now.
No Swallows have appeared here.
Passerella iliaca (Merrem) Sw — has disappeared some time since. They always pass through very rapidly

April 20. 1877

I saw females of Icteria virens (L.) Hdl. in the swamp below. Melospiza fasciata, and Spizella socialis are abundant. The Spizella monticola leave Apl 23rd. cased.

April 23.

The Turdus pallasi, Cab. were first seen yesterday.

List of Birds seen —

Turdus migratorius L.
Sialia sialis (L.) Haldeman —
Regulus calendulus (L.) Licht.
Parus atricapillus L.
Dendroica palmarum (Gm.) Bd.
Seiurus Ludovicianus (W.) Bp. First Seen
Hirundo horreorum Barton — First Seen
Vireo solitarius (Wils.) First " —
Carpodacus purpureus (Gm.) Bp.
Poocetes gramineus (Gm.) Bd.
Melospiza melodia (Wils.) Bd.
Spizella socialis (Wils.) Bp.
Spizella (Wils.) Bp. — Singing.
Passer domesticus " —
Molothrus pecoris (Gm.) Sw.
Corvus americanus Aud.
Tyrannus cristatus (L.) Sw.
Sayornis fuscus (Gm.) Bd — resting
Chrysomitris tristis (L.) Bp. — Moulting
Picus pubescens L.
Colaptes auratus (L.) Sw.
Accipiter cooperi Bp.
Pandion haliaetus (L.) Savigny. A Fish Hawk has been seen at the Lake for several days. I saw it there today, and a man told me that it had perched on a tree close by his house and was quite gentle. He also stated that he

saw it dive into the water, disappearing entirely from sight. It presently emerged with apparent difficulty, bearing with it a large Eel, with which it at first flew heavily along the surface of the lake, then rose, and after a little it flew high up in the air until it became a mere speck; then it let the Eel drop from that great height, upon the rocks below. The bird now closed its wings and descended so swiftly as almost to reach the earth as soon as the fish.

I was greatly surprised to find the specimen of Vireo solitarius, which I shot here, so early.

The Carpodacus purpureus, is singing most exquisitely. I heard one just outside the church window, while attending service, yesterday.

I saw some Yellow birds greatly resembling the Spizella socialis with white, and yellow, upon the darker, plumage.

April 24.

Turdus migratorius L. - Commencing to build.
Sialia sialis (L.) Haldeman —
Regulus calendula (L.) Licht - Not singing
Regulus Satrapa Licht. - First Seen —
Parus atricapillus L.
Dendroica palmarum (Gm.) Bd.
Dendroica tenera (Wils.) Bd. Shot a fine adult male, that was skipping about in the most lively manner, amongst the higher branches of a tall birch-tree
Seiurus Ludovicianus (L.) Bp.
Carpodacus purpureus (Gm.) Sw.
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Wils.) "
Junco hyemalis (L.) Sel.

Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Zonotrichia albicollis (Gm.) Bp. First Seen Apr. 2.
Passer domesticus L.
Sayornis fuscus (Gm.) Bd.
Corvus americanus Aud.
Colaptes auratus (L.) Sw.
Picus pubescens L.
Buteo borealis (Gm.) V. ?

April 25.

Tyrdus migratorius L. – [illegible].
Sialia sialis (L.) Haldeman
Parus atricapillus L.
Seiurus ludovicianus (V.) Bp.
Hirundo horreorum Barton.
Tachycineta bicolor (V.) Cass. First Seen here
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Wils.) Bd.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Passer domesticus Linn.
Corvus americanus Aud.
Sayornis fuscus (Gm.) Bd.
Ceryle alcyon (L.) Boie.
Colaptes auratus (L.) Sw.
Buteo pennsylvanicus (Wils.) Bp.
Falco sparverius

As I was walking along near the mouth of the creek, near Ponsook Id., I saw a small Hawk flying northward, I watched it until it settled gracefully with a long sweep, upon the top of a hay-pole near the locks. I thought it must be a Sparrow Hawk, altho' I had never seen that bird alive, & could not then see its colours.

I was right. It was the first Sparrow Hawk I have ever seen here, altho' Mr. Frederick Osborn collected a fine male at his residence, at Garrisons, April 3. 1875; and my friend Mr. Thos. Wilson has seen one on Constitution Id., in the winter of 1874-5. I waded across the creek, and slowly approached. He seemed very restless – let me get rather near, when he flew in the direction of the Island and alighted on an other hay-pole. This he accomplished by a singularly elegant and graceful movement, passing the perch a good way, and then wheeling suddenly, and making a single sweep, alighted with the most exquisite ease, without a flutter of a single feather. I made up my mind the bird was no fool, so I quietly seated myself upon a log and watched him. He kept a vigilant watch for his prey, while I hoped every moment that he would seize one of the Swallows that were flying over the marsh. Suddenly with nearly closed wings, he descended to the marsh, and stretching down his legs, alighted. He remained on the grass a few minutes engaged in examining something of interest, and then flew away to the north part of the marsh, again alighting on a hay-poll, where I again tried to approach near enough for a shot. Soon he flew down to the grass again, in the same manner as before, then rising to a considerable height, hovered like a King bird or King fisher, and then turned & perched upon the top of the pole. I had now got quite close, and he began to fidget uneasily upon his perch, and then flew off in a circle, when a sharp

gust of wind brought him around toward me, and then I fired, making an elegant shot, which brought the bird to the grass; not dead, but mortally wounded. As I picked him up, by the wing-tips, he uttered that peculiar cry which all of the falcons produce under similar circumstances, but which it is impossible to describe. He offered no resistance, but I think his brain had bee affected by the shot which grazed the skull. This bird was an adult male. I saw another one on my way home.

Ampelis cedrorum No Cedar birds have been seen lately.

April 26.

Turdus migratorius L.
[illegible] (L.) Hald.
Regulus calendula (L.) Licht.
Regulus satrapa Licht.
Parus atricapillus L.
Hirundo-horreorum Barton.
Tachycineta bicolor (V.) Cs.
Seiurus ludovicianus (V.) Bp.
Carpodacus perpureus (Gm.) Gr.
Melospiza melodia (Wils.) Bd.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Passer domesticus L.
Corvus americanus Aud.
Sayornis fuscus (Gm.) Bd.
Picus pubescens L.
Sphyrapicus varius (L.) Bd. I shot one adult female, the first seen this year. It was wounded badly, but uttered loud cries and endeavored

to ascend the tree trunk, from which I had shot it. It erected the red feather on its head.
Colaptes auratus (L.) Sw.
Bortio pennsylvanicus (Wils.) Bp. three were seen soaring together.
Falco sparverius. One seen
Chrysomitris tristis (L.) Bp.
Chaetura pelasgia (L.) Steph. - First seen

April 27.

Turdus migratorius L.
Turdus pallasi Cab. - One seen
Sialia sialis (L.) Haldeman
Parus atricapillus L.
Certhia familiaris L. - Uttered a weak chipping note resembling that of R. satrapa besides its usual prolonged note.
Seiurus ludovicianus (V.) Bp.
Passer domesticus L.
Chaetura pelasgia (L.) Steph.
Carpodacus perpureus (Gm.) Gr.
Chrysomitris tristis (L.) Bp. - Has assumed nearly its complete summer plumage.
Melospiza melodia (Wils.) Bd.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Junco hyemalis (L.) Scl.
Corvus americanus Aud.
Sayornis fuscus (Gm.) Bd.
Picus pubescens L.
Colaptes auratus (L.) Sw.
Bortio pennsylvanicus (Wils.) Bp.
Pandion halliaetus (L.) Savigny.
Ceryle alcyon (L.) Boie.
Antrostomus vociferus (Wils.) Bp. - First heard (at Garrisons)

Dendroica tigrina ♀ ad. May 15. 1876. Garrisons.

Putnam Co. N.Y. collected by Wm. Osborn.

April 28.

Turdus migratorius L.
Sialia sialis (L.) Haldeman.
Parus atricapillus L.
Senirus ludovicianus (V.) Bp.
Carpodacus purpureus (Gm.) Gr.
Pooecetes gramineus (Gm.) Bd.
Melospiza melodia (Wils.) Bd.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Corvus americanus Aud.
Sayornis fuscus (Gm.) Bd.
Picus pubescens L.
Colaptes auratus (L.) Sw.
Ceryle alcyon (L.) Boie.
Chaetura pelasgia (L.) Steph.
Sturnella magna (L.) Sw. Two seen & heard.
Molothrus pecoris (Gm.) Sw.
Accipitur fuscus
Accipitur cooperi Bp.
Astur atricapillus
Haliaetus leucocephalus (L.) Savigny
No. 1349 Accipitur fuscus (Gm.) Bp. ♂ ad. Apr. 28. 1877.
Parison's, Putnam Co. N.Y. (W. Osborn)
Irides bright carmine; cere & eyelids, yellow. Tarsi & toes yellow; bill blue, tipped with blackish
$11\frac{4}{16}$, $20\frac{12}{16}$, $6\frac{10}{16}$, $5\frac{4}{16}$.
Falco sparverius seen by W. Osborn, at Garrisons, Apr. 14. 1877.

April 30.

Among the birds noticed yesterday were the Turdus pallasi Cab.
Certhia familiaris L.
Senirus ludovicianus (V.) Cp.

Molothrus pecoris (Gm.) Sw.
Pandion carolinensis (L.) Savigny.
Picus villosus L.
Antrostomus vociferus (Wils.) Bp.

Measurements

Spizella monticola Apr. 10. 1877. H.F.
$6\frac{6}{16}$, $9\frac{12}{16}$, $2\frac{14\frac{1}{2}}{16}$, $2\frac{12}{16}$.
Junco hyemalis (L.) Scl. ♂ ad. Apr. 10. 1877. H.F.
$6\frac{5}{16}$, $9\frac{12}{16}$, $2\frac{15}{16}$, $2\frac{12}{16}$.
Pooecetes gramineus (Gm.) Bd. ♀ ad. Apr. 21. 1877.
Consook Id. H. Riv. Irides, legs & feet brown, with base of mandible flesh-color. $6\frac{6}{100}$, $10\frac{5}{100}$, $2\frac{95}{100}$, $2\frac{27}{100}$.
Regulus satrapa Licht. ♀ ad. Apr. 24. H. F.
Irides dark hazel; bill black; legs & feet brownish yellow.
$4\frac{6}{100}$, $6\frac{70}{100}$, $2\frac{20}{100}$, $1\frac{65}{100}$, $\frac{60}{100}$, $\frac{30}{100}$.
Zonotrichia albicollis (Gm.) Bp. ♀ ad. Apr. 24. H.F.
Iris dark hazel; Bill with maxilla dusky; mandible greenish horn-color. Legs & feet brownish flesh-color.
$6\frac{75}{100}$, $9\frac{65}{100}$, 3, $2\frac{90}{100}$, $\frac{86}{100}$, $\frac{48}{100}$.
No. 1350 Colaptes auratus (L.) Sw. ♂ ad. Apr. 21. 1877. H.F.
Iris reddish hazel; Bill dead black. Legs & feet lead-color.
$12\frac{73}{100}$, $20\frac{20}{100}$, $6\frac{25}{100}$, $4\frac{75}{100}$, $\frac{96}{100}$, $1\frac{41}{100}$, 3rd toe & its claw $1\frac{23}{100}$.
1351 Vireo solitarius (Wils.) V. ♀. Apr. 23. 1877. H.F.
Iris hazel; Tarsi and toes lead-color. Bill lead-color, blackish on maxilla.
$5\frac{50}{100}$, $9\frac{7}{100}$, $2\frac{85}{100}$, $2\frac{4}{100}$, $\frac{70}{100}$, $\frac{43}{100}$.
1352 Dendroica pinus (Wils.) Bd. ♂ ad. Apr. 24. 1877. H.F.
Iris hazel; Bill dusky. Legs & feet yellowish brown; insides of toes, yellow.
$5\frac{50}{100}$, $8\frac{90}{100}$, $2\frac{85}{100}$, $2\frac{13}{100}$, $\frac{70}{100}$, $\frac{45}{100}$.
1353 Senirus ludovicianus (V.) Bp. ♂ ad. Apr. 24. H.F.
Iris hazel; bill dusky; legs & feet flesh-color.
$6\frac{20}{100}$, $10\frac{28}{100}$, 3, $\frac{21}{100}$, $2\frac{57}{100}$, $\frac{87}{100}$, $\frac{60}{100}$.
1354 Regulus calendula (L.) Licht ♂ ad. Apr. 24. H.F.
Iris dark hazel; bill blk.; legs & feet blackish; toes yellow inside.
$4\frac{50}{100}$, $6\frac{80}{100}$, $2\frac{27}{100}$, $1\frac{68}{100}$, $\frac{67}{100}$, $\frac{29}{100}$.

No. 1355 Falco Sparverius L. ♂ ad. Apr. 25. 1877. Concord. Ireland, Hudson Riv. N.Y. Iris brown; Bill bluish; tip of maxilla blackish. Bare space around eye, eyelid, cere, tarsi & toes orange yellow. Claws bluish black. — 10 42/100, 2 2 38/100, 7 37/100, 4 85/100. 1st toe & its claw, 75/100. — 2nd " 84/100. — 3rd " 1 21/100. — 4th " 83/100. Bill from cere to point 45/100; along gape, 70/100. Tip of bill to eye 80/100.

List of Bird Skins.

Strix nigrotaeniata L.
Sialia sialis (L.) Haldeman
Parus atricapillus L.
Minotilta varia (L.) V. First seen to-day; not singing a feeble feel, first and long.
Dendroica coronata (L.) Sw.
Seiurus ludovicianus (V.) Bp.
Hirundo horreorum Barton. The swallows have not congregated at Fells Pond as usual, this year; indeed I have not seen more than all of any species.
Carpodacus purpureus (Gm.) Ay.
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Wils.) Bd.
Melospiza palustris (Wils.) Bd.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Zonotrichia albicollis (Gm.) Bp.
~~Lagenoleipa vespera (L.) Bd.~~ First seen (2)
Molothrus pecoris Gm. Sw.
Agelaeus phoeniceus (L.) V.
Corvus americanus Aud. — Found a nest in a pine tree containing five eggs, on which the female was sitting.
Sayornis fuscus Gm. Bd.
Picus pubescens L.
Colaptes auratus (L.) Sw.
~~Dryocopus pileatus~~

Antrostomus vociferus (Wils.) Bp.
Strix acadica (Gm.) Sab. First seen.

May 1st.

Hydrochelidon nigra surinamensis (L.)
Hesperiphona vespertina (Cass.) First seen
Sialia sialis (L.) Haldeman.
Regulus calendula (L.) Licht. Singing delightfully
Picoides hirsutus (L.) Lath.
Parus atricapillus L.
Vireosylva olivacea (L.) V.
Dendroica palmarum (Gm.) Bd.
Dendroica coronata (L.) Sw.
Seiurus ludovicianus (V.) Bp.
Hirundo horreorum Barton.
Vireo solitarius (Wils.) V.
Carpodacus purpureus (Gm.) Sw.
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Wils.) Bd.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Zonotrichia albicollis (Gm.) Bp.
Molothrus pecoris (Gm.) Sw.
Agelaeus phoeniceus (L.) V.
Sayornis fuscus (Gm.) Bd.
Antrostomus vociferus (Wils.) Bp.
Picus pubescens L.
Colaptes auratus (L.) Sw.
Accipiter fuscus (Gm.) Bd.

May 2.

Today is very cold and windy. Nothing unusual was observed. Birds are very scarce and silent. The Antrostomus vociferus are crying on the woods this evening. The Surnia pallasi Cab. are abundant.

May 3rd 1877.

Turdus migratorius L.
Sialia sialis (L.) Haldeman.
Regulus calendula (L.) Licht.
Regulus satrapa Licht.
Parus atricapillus L.
Certhia familiaris L. - very at dawn.
Troglodytes aedon Vieill.
Salpinctes obsoletus (Say) Bd.
Polioptila caerulea (L.) Sclat. - flying in circles after insects.
Vireo solitarius (Wils.) L. - singing.
Dendroica coronata (L.) Gr.
Dendroica aestiva (Gm.) Bd.
Dendroica virens (Gm.) Bd.
Helminthophaga celata (Say) Bd. - Shot a adult male on a tree-trunk. Head completely concealed, even when turned its head round as far backwards as being extended, but its claws were so firmly fixed into the tree, that it did not fall to the ground.
Sitta carolinensis Lath. - singing.
Sialia sialis (L.) Haldeman.
Regulus satrapa Licht.
Parus atricapillus L.
Certhia familiaris L.
Troglodytes aedon Vieill.
Salpinctes obsoletus (Say) Bd.
Turdus migratorius L.
Merula nigra (L.) Sw. - singing.
Sialia sialis (L.) Haldeman.
Regulus satrapa Licht.
Parus atricapillus L.
Certhia familiaris L.
Troglodytes aedon Vieill.
Salpinctes obsoletus (Say) Bd.
Harporhynchus rufus (L.) Bp.
Vireo solitarius (Wils.) L.
Dendroica virens (Gm.) Bd.
Helminthophaga celata (Say) Bd.
Sitta carolinensis Lath.
Sialia sialis (L.) Haldeman.
Regulus satrapa Licht.
Parus atricapillus L.
Certhia familiaris L.
Troglodytes aedon Vieill.
Salpinctes obsoletus (Say) Bd.
Harporhynchus rufus (L.) Bp.
Vireo solitarius (Wils.) L.
Dendroica virens (Gm.) Bd.
Helminthophaga celata (Say) Bd.
Sitta carolinensis Lath.
Merula migratoria L.
Turdus mustelinus Gm.
Sialia sialis (L.) Haldeman.
Regulus satrapa Licht.
Parus atricapillus L.
Certhia familiaris L.
Troglodytes aedon Vieill.
Salpinctes obsoletus (Say) Bd.
Harporhynchus rufus (L.) Bp.
Vireo solitarius (Wils.) L.
Dendroica virens (Gm.) Bd.
Helminthophaga celata (Say) Bd.
Sitta carolinensis Lath.
Merula migratoria L.
Turdus mustelinus Gm.
Sialia sialis (L.) Haldeman.
Regulus satrapa Licht.
Parus atricapillus L.
Certhia familiaris L.
Troglodytes aedon Vieill.
Salpinctes obsoletus (Say) Bd.
Harporhynchus rufus (L.) Bp.
Vireo solitarius (Wils.) L.
Dendroica virens (Gm.) Bd.
Helminthophaga celata (Say) Bd.
Sitta carolinensis Lath.

Turdus fuscescens Steph. has been scarce and irregular, occurrence.
Regulus satrapa Licht. was scarce at winter.
Sitta carolinensis Gm. not seen this year.
Anorthura hyemalis (Vieill.) Coues. has not appeared lately, and I am not sure that I have seen it this year.
Certhia familiaris (L.) Bd. not seen since early in the spring.
Troglodytes aedon Vieill. singing and feeding on the young birds.
Regulus calendula (L.) Bp. scarcely ever seen.
Bonasa umbellus (L.) Steph. (Apr. 6th) - a female nest two weeks ago, with 14 eggs.

May 4th 1877.

Turdus fuscescens Steph. - Same as the last, one of which was pursued by a Crow.

May 5th 1877.

Robinella mustelina (Gm.) Bp.
Regulus calendula (L.) Licht.
Regulus satrapa Licht.
Parus atricapillus L.
Certhia familiaris L. - very at dawn.
Dendroica coronata (L.) Gr.
Dendroica aestiva (Gm.) Bd.
Dendroica virens (Gm.) Bd.
Helminthophaga celata (Say) Bd.
Vireo solitarius (Wils.) L. - singing.
Sitta carolinensis Lath. - Shot a adult male on a tree-trunk. Head completely concealed, even when turned its head round as far backwards as being extended, but its claws were so firmly fixed into the tree, that it did not fall to the ground.
Sialia sialis (L.) Haldeman. - singing.

May 7.

Turdus migratorius L.
Turdus mustelinus Gm. - singing.
Sialia sialis (L.) Haldeman.
Regulus satrapa Licht.
Parus atricapillus L.
Certhia familiaris L.
Troglodytes aedon Vieill.
Salpinctes obsoletus (Say) Bd.
Harporhynchus rufus (L.) Bp.
Vireo solitarius (Wils.) L.
Dendroica virens (Gm.) Bd.
Helminthophaga celata (Say) Bd.
Sitta carolinensis Lath.

Sp. Della Beata (Wils. Sp.
Sp. Helvola albivilla (Wils. Sp.
Sp. Wilsoni fasciata (Wils. Sp.
Clubiona Canadensis L.
Lycosa Americana Linn.
Lycosa ostiofrangens Walk. (Or I have up
to the time my attention was particularly attracted to the very singular actions
of the species that had it in its mouth the
whole of the latter part of the day. It was
a yellow female with quite differ-
ent markings to the American
species I know of to be only an
extreme variety of some undescribed
strong character — perhaps it has
a parasite, this latter I had
spoiled, not far from five, several
days previously. Accepting this con-
clusion, I walked on, but the fly
flew ahead of me and alighted
upon a bee, far over on the other
side of the highway, where it cracked
most heinously. When I had arrived
at the spider, before clambering over
the stone-wall I noticed that the spider
had again taken flight and as it
was coming towards me in my direc-
tion I concluded to kneel behind the
wall and perhaps thus obtain a shot.
After waiting a few moments, I noticed
it was out, and saw the bird flying
in a circle not far off. Soon it stopped from
me, but very high up. When he was
just over my head I fired. At least
three shot must have struck his head,
and one more through the body. The struggle
was pitiful, as one of his limbs were

all the way to the ground — reeling and tumbling
around and striking in all shapes. He fell
close to me and when I reached him I
found a fine example of the Fish Crow.
Sterna antillarum (Less.) Lawr. — First heard.
Sterna hirundo (Linn.) Sol.
Empidonax minimus Bd. — First seen.
Tyrannus pubescens L.
Sayornis fuscus (Linn.) Sol.
Contopus virens (Linn.) Cab. — First seen.
Dendroica coronata (L.) Sw.
Seiurus noveboracensis (Gm.) Bp.
Geothlypis trichas (L.) Cab. — First seen, uttering
its usual single chuck, note
Vireo solitarius (Wils.)
Melospiza melodia (Wils.) Bd.
Melospiza palustris (Wils.) Bd.
Melospiza fasciata (Wils.) Bp.
Passerculus princeps Ridgw.

May 8th. 1877.

Rana sylvatica LeC.
Bufo lentiginosus Shaw. — Sciurus carolinensis
Gm. — First heard. Sciurus hudsonius Pall. — First
heard. Scalops aquaticus (L.) Houton.
Condylura cristata (L.) Illig. — Mus decumanus
Pall. — First seen. Arvicola riparius Ord.
Arvicola pennsylvanicus Ord. — First seen.

Sambucus canadensis (L.) Sm.
Pinus strobus (L.) L.
Agelaius phoeniceus (L.) L.
Corvus ossifragus Wils.
Dryonicteris noveboracensis (Gm.) Bp.
Cistothorus palustris (Wils.) Bp.
Colaptes auratus (L.) Sw.
Pandion haliaetus (L.) Savigny.
Empidonax minimus Bd.
Melospiza melodia (Wils.) Bp.
Turdus migratorius L. First Sum Singing
Molothrus ater (Gm.) B.
Sayornis fuscus (Gm.) Bp.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Pedioecetes phasianellus (L.) Bp.
Zonotrichia albicollis (Gm.) Bp.
Melospiza fasciata (Gm.) Bp.
Corvus americanus Aud.
Dendroica aestiva (Gm.) Bd.
Geothlypis trichas (L.) Cab. First Sum Singing
Passerella iliaca (Merr.) Sw.
Dendroica maculosa (Gm.) Bd.
Dendroica coronata (L.) Sw.
Sialia sialis (L.) Lawr.
Regulus calendula (L.) Licht.
Anthus pensylvanicus (Lath.) Bp.
Sayornis phoebe (Lath.) Bp.
Melospiza lincolni (Aud.) Bd.
Dendroica virens (Gm.) Bd.
Dendroica castanea (Wils.) Bp.
Dendroica pensylvanica (L.) Sw.
Dendroica striata (Forst.) Bd.
Vireo olivaceus (L.) Sw.
Vireo gilvus (Vieill.) Bp.
Carpodacus purpureus (Gm.) Bd.
Chrysomitris tristis (L.) Bp.
Spizella pusilla (Wils.) Bp.
Pedioecetes phasianellus (L.) Bp.

May 4th 1877

Turdus migratorius L. Singing
Melospiza melodia (Wils.) Bp. Singing
Regulus calendula (L.) Licht. Singing
Sialia sialis (L.) Haldeman
Parus atricapillus L.
Geothlypis trichas (L.) Sw. First Sum Singing
Viola sp.
Sayornis phoebe (Lath.) Bp.
Melospiza fasciata (Gm.) Bp.
Melospiza lincolni (Aud.) Bd.
Molothrus ater (Gm.) B. Singing
Vireo solitarius (Wils.) V.
Vireo gilvus (Vieill.) Bp. First Sum
Carpodacus purpureus (Gm.) Bd. Singing
Chrysomitris tristis (L.) Bp.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Pedioecetes phasianellus (L.) Bp.

Zonotrichia albicollis (Gm.) Bp.
Agelaius phoeniceus (L.) L.
Corvus americanus Aud.
Sayornis fuscus (Gm.) Bp.
Empidonax minimus Bd.
Certhia alcyon (L.) Brè.
Cistothorus palustris (Wils.) Bp.
Colaptes auratus (L.) Sw.
Buteo pennsylvanicus (Wils.) Bp.

I heard its well known whistle, and something low, I paid no approaching. As it passed me I fired and wounded it. It tumbled all in a heap at first, then recovering, balanced a moment, and then flew away over the tree-tops.

Pandion haliaetus (L.) Savigny. One flew, late this evening, over the house, to the mountain side.

Passer montanus (L.) Joseph Brunning

Mniotilta varia (L.) L. Curtains very much like, but twice as large as middle window curtain - reached from top of sash to floor - of white cotton flannel - with a border of red and blue cross upon them - trimmed with a fringe as it was at the

Dendroica virens (Gm.) Bd. window

Nov 10. 1877

Labels of Skins

No. 1556 Carpodacus purpureus (Gm.) Bd. ♂ ad. April 28. 1877. Larrowe, Putnam Co. N.Y. Bill, legs & feet horn, bill brownish black-color 6 25/100, 10 20/100, 3 26/100, 2 27/100.

1877

No. 1357 Pipilo fuscus ♀ U. S. Fort Wingate, N.M. Feb. 4th
Iris dark hazel. Bill blackish black. Feet and legs dull grayish brown - claws blackish. Wt. — oz.
5 30/100, 8 70/100, 2 87/100, 2 7/100. Bill 47/100. Gape 61/100. Tarsi 65/100. 1st toe & claw, 59/100. — 2nd " 53/100. — 3rd " 70/100. — 4th " 45/100.

1358 Pipilo fuscus ♂ U. S. Fort Wingate, N.M. May 5. 1877
Iris dark brown. Bill black. Feet and legs and feet dark reddish-color. 8 62/100, 15 50/100, 4 83/100, 3. Bill 55/100. Along gape 1/100. Tarsi 75/100.

1359 Pipilo fuscus ♀ U. S. Fort Wingate, N.M. May 5. 1877. Iris
5 34/100, 8 52/100, 2 69/100, 2 2/100.

1360 Corvus obliquus ♀ Fort Wingate, N.M. May 7. 1877.
Irides dark brown. Bill, feet & claws, 16, 33 20/100, 10 54/100, 6 20/100. Bill, 1 37/100. Height of bill, 61/100. - gape, 1 65/100. Tarsi, 1 85/100 (Measured from first joint) 1st toe, 75/100. Its claw, 63/100. — 2nd toe, 1 5/100. Its claw, 44/100. — 3rd toe, 1 30/100; its claw, 47/100. — 4th toe, 25/100; its claw, 35/100. Hundred of tail, 87/100. Middle and longest three toes — 3rd — 2nd; first shortest; decreasing to — 4th, to last.

1361 Junco hyemalis ♂ U. S. Fort Wingate, N.M. May 8. 1877. Cañon del Muerto, Arizona. Bill yellowish flesh-color, ridge, brownish — tips of both mandibles, black. Legs and feet flesh-color, tinged with gray — nails dusky. 7 75/100, 13 55/100, 4 22/100, 2 9/100. Bill, 99/100, along gape, 1 8/100. Occiput, from end of bill, 1 85/100. Left of bill to eye, 1 34/100. Tarsi, from true joint, 1 93/100. Bare part of tibia, to true joint, 44/100. Middle toe, 46/100; its claw 11/100. — 2nd toe, 57/100; its claw, 14/100. 3rd toe, 85/100; its claw, 19/100. 4th toe, 65/100; its claw 13/100. (A web connects 3rd & 4th toes, which measured from midway between toes to junction of toes, 1 2, 20/100. Tail from end of bill to end of tail, 3 [illegible]

1362 Pipilo fuscus ♂ U. S. Fort Wingate, N.M. May 5. 1877. Cañon del Muerto, Arizona. Iris very dark. Bill black. Tarsi & toes brownish flesh-color — nails brownish — 5 42/100, 7 30/100, 2 33/100, 2 16/100. Bill, 43/100, - along gape, 54/100, occiput, 1 12/100. Tarsi, 81/100, 1st toe, 25/100; its claw, 25/100. — 2nd toe, 31/100; its claw, 14/100. — 3rd toe, 50/100; its claw, 19/100. — 4th toe, 36/100; its claw, 16/100. Third and fourth toes united for a distance of 2/100 of an inch

1363 Vireo solitarius ♂ U. S. Fort Wingate, N.M. May 8. 1877. Irides dark reddish brown, Bill black — basal half of mandible, blue. Legs & toes, lead-color. 5 50/100, 9 25/100, 2 94/100, 2 6/100. Bill, 42/100 - along gape, 62/100. Tarsi, 70/100. Middle toe & its claw, 65/100.

1364 Pipilo fuscus ♂ Cat. U. S. Fort Wingate, N.M. May 6. Cañon del Muerto, Arizona Territory. (2 skins) Iris very dark. Bill black. Tarsi & toes brownish flesh-color — nails brownish — 5 42/100, 7 30/100, 2 33/100, 2 16/100. Bill, 43/100, - along gape, 54/100, occiput, 1 12/100. Tarsi, 81/100, 1st toe, 25/100; its claw, 25/100. — 2nd toe, 31/100; its claw, 14/100. — 3rd toe, 50/100; its claw, 19/100. — 4th toe, 36/100; its claw, 16/100. Third and fourth toes united for a distance of 2/100 of an inch

1365 Spizella pusilla ♂ U. S. Fort Wingate, N.M. May 9. 1877. Irides very dark brown. Bill black, Legs & feet brownish black —
5 35/100, 8, 2 62/100, 2 30/100. Bill, 35/100 - along gape, 50/100 - width at base, 20/100, - depth, 11/100. occiput, 110/100. Tarsi, 68/100, - 1st toe, 21 100; its claw, 15/100. 2nd toe, 23/100; its claw, 12/100. — 3rd toe, 34/100; its claw, 11/100. — 4th toe, 27/100; its claw, 11/100.

List of Birds collected by Lieut. [illegible] Stricklen, 9th Cavalry, Fort Wingate, N.M.

Carduelis elegans Steph. (L.) Cab.
Alauda arvensis L. Haldemann.
Passer domesticus Briss. L.
Motacilla familiaris L.
Troglodytes aedon V. Migrant.
Hirundo rustica (L.) V.
Sylvicola striatus (L.) Cab.
Vireosylvia olivacea (L.) Bd.
Mniotilta varia (L.) V.
Seiurus noveboracensis (Gm.) Baird — scarce.
Geothlypis trichas (L.) Cab.
Setophaga ruticilla (L.) Bd.
Passerella iliaca (Merr.) Bp.
Melospiza melodia (Wils.) Bd.
Zonotrichia leucophrys (Forst.) Bp.
Zonotrichia querula (Nutt.) Bp.
Pipilo erythrophthalmus (L.) V.
Agelaius phoeniceus (L.) V.
Corvus americanus Aud.
Lagonus hyemalis (Wils.) Bd.
Astragalinus tristis (L.) Bp.
Passer domesticus (L.) Bp.
Poecile hudsonica (Forst.) Bd. on board.
Coccothraustes vespertina Cooper.
Accipiter fuscus (Gmel.) Bp.
Bonasa umbellus (L.) Steph.
Colymbus torquatus Brunn. I heard it's loud barking cry very distinctly, several times repeated, and at last espied the bird at an immense height flying about irregularly in large circles, often changing its direction until it at last disappeared.

To-day I visited and examined very carefully the whole cliff below Cro' Nest in search of the nest of a Duck Hawk. I shouted and called out loudly from the base of the huge cliff, so as to disturb the Hawk, should

she be sitting on her eggs; and after a favorable looking place, I even fired a charge of shot up against the ledges — then listened to hear them rattle down again — I believe there is no nest on that cliff this year.

I visited the summit of Cro' Nest & fire has raged there. The blackened ground shows the remains of thousands of scorched snails — Helix, and doubtless the Bonasa umbellus have had many of their eggs destroyed. The birds themselves have collected in the valley (beneath the cliff) below.

Upon the shoulder of Cro' Nest — Northeast of the summit is a deep hollow, with a round swampy basin, from which great trees — hemlocks, birches &c — are growing, and in nearly everyone of which a large old nest is fixed. These nests may have been Crow's nests — hence the name! This swamp is a very picturesque place. Huge trees trunks are gilded & bedecked, carried with beautiful mosses and lichens. The Lizards are the largest I have ever seen in this neighbourhood. A single pair of Crows are nesting there this season. Last season, a pair of Buteo borealis made their boudoir, at this season. And I found the Turdus fallaxii there very often, but had disappeared elsewhere on their northward journey.

May 11th 1877

Turdus migratorius L. - Laying.
Turdus obsoletus Bon. - Abundant.
Dendroica coronata (L.) Cat.
Wilsonia canadensis (L.) Bd. First Sum.
Icteria virens (L.) Baldeman
Parus atricapillus L.
Certhia familiaris L.
Troglodytes aedon V.
Vireo olivaceus (L.) V. Very abundant; singing.
Parula americana (L.) Bp. - First Sum
As I stood by the side of a brook I heard one singing its rattling notes with great energy. This queer song is rather pleasant, as it strikes the ear, but altogether, the birds sing ~~as a rule~~ possessed little merit.
Seiurus aurocapillus (L.) Sw. Abundant.
Seiurus ludovicianus (L.) Bp. do
Geothlypis trichas (L.) Cab.
Setophaga ruticilla (L.) Sw. Singing.
Vireo solitarius (Wils.) V.
Melospiza melodia (Wils.) Bd.
Spizella socialis (Wils.) Bp. - singing.
Junco hyemalis (Wils.) Bp. do
Pipilo erythrophthalmus (L.) V. Singing its sweet little song from the tree tops.
Chrysomitris tristis (L.) Bp.
Molothrus pecoris Gm. Sw.
Agelaius phoeniceus (L.) Sw.
Sturnus vulgaris L.
Quiscalus quiscula (L.) Sw.
Scolecophagus cyanocephalus (Wagl.) Bp.
Corvus americanus Aud.
Colaptes auratus (L.) Sw.
Zenaidura macroura

May 12

Turdus migratorius L.
Turdus obsoletus (Bon.)
Turdus pallasii Cab. - One L.+D.
Hesperocichla nevia (L.) Cab.
Regulus calendula (L.) Bp.
Parus atricapillus L.
Troglodytes aedon V.
Vireo gilva (L.) V. - very abundant.
Parula americana (L.) Bp. - abundant.
Dendroica virens (Gm.) Bd. First Sum.; abundant.
Dendroica caerulescens (L.) Bd. First Sum.
Dendroica coronata (L.) Sw. Scarce.
Seiurus aurocapillus (L.) Sw. very abundant
Seiurus ludovicianus (L.) Bp.
Geothlypis trichas (L.) Cab.
Setophaga ruticilla (L.) Sw. abundant. It sang rapidly (the) that of Miviotilla varia.
Herodias egretta (Gm.) Ridgw.
Ardea herodias Bartram.
Vireo solitarius (Wils.) V.
Vireo gilvus (V.) Bp.
Vireo flavifrons V. - First Sum
Empidonax (minimus) Bon. Sw.
Empidonax pusillus (Swains.) Bp.
Sayornis fuscus (Gm.) Bd.
Contopus virens (L.) Cab.
Pipilo erythrophthalmus (L.) V.
Cyclaspis phoeniceus (L.) V. The reeds at the lower end, above Harrisons, were swarming with them. The jingling melody, produced by hundreds of voices, was something indescribable.

Corvus americanus Aud. Found a nest containing four eggs. It was one of three that I found and examined just as they were about completed. The others had both hen deserted.
Hyporis fuscus (Jam.) Bd.
Empidonax minimus Bd.
Chaetura pelasgica (L.) Steph.
Ceryle alcyon (L.) Boie.
Asio otus wilsonianus (Less.) Bp.
Picus pubescens L.
Colaptes auratus (L.) Swn.
Bonasa umbellus (L.) Steph. drumming loudly in the Night Hermitage, on Constitution Island.
Zenaidura carolinensis (L.) Bp. Wilson shot a beautiful male from the R.R. track above Pabsen — in the corner of Fort
Nyctiardea nævia (Boddt.) Allen —
Late this afternoon I visited the Night Heronry, on Constitution Island. We found quite a large number of birds there, busily engaged carrying sticks for their nests. I found the rather shy. I shot one very handsome specimen for my friend, Mr Wm. Ostrom, who accompanied me to the Heronry. The bird lodged in a tree top where he clung fast and soon balanced himself and looked as if he was all right, but suddenly fell off his perch - dead. I again noticed the longitudinal, serrated middle claw, and speculated as to its use —

Ardea virescens L. Several were seen in the Night Heronry

Thorybius solitarius L. First Seen —
Cinclus mexicanus Sw. Bd. First Seen —
Dec. 1 Cay. 14. (and 13th Inst.)
Yesterday (Sunday) I visited the
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
Passer domesticus L.
[illegible]
[illegible]
[illegible] Finished
[illegible]
Passerella iliaca (Merr.) Sw. First Seen
Pipilo erythrophthalmus (L.)
Spizella pusilla (Wils.) Bp.
Melospiza melodia (Wils.) Bd.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Junco hyemalis (L.) Scl.
Passer domesticus L.
Piranga rubra (L.) Bp.
Dendroica coronata (L.) Bp.
Setophaga ruticilla (L.) Bp.
Vireosylva olivacea (L.) Bp.
Helminthophaga pinus (Wils.) Bd. First Seen
Dendroica coronata (L.) Bp.
Seiurus aurocapillus (L.)
Geothlypis trichas (L.) Cab.
Icteria virens (L.) Bp.
Helminthophaga pinus (Wils.) Bd. First Seen
Harporhynchus rufus (L.) Bp.
Thryothorus ludovicianus (Lath.) Bp.
Troglodytes aedon Vieill.
Certhia familiaris americana Bonap.
Sitta carolinensis Lath.
Parus atricapillus L.
Parus bicolor L.
Sialia sialis (L.) Lawr.
Turdus migratorius L.
Merula fuscescens (Steph.) Cab.
Hylocichla mustelina (Gm.) Bp.
Hylocichla fuscescens (Steph.) Cab.
Hylocichla aliciæ (Baird) Coues.
Hylocichla ustulata (Nutt.) Coues.
Regulus calendula (L.) Licht.
Polioptila cærulea (L.) Sclater.
Sialia sialis (L.) Lawr.
Turdus migratorius L.
Merula fuscescens (Steph.) Cab.
Hylocichla mustelina (Gm.) Bp.
Hylocichla fuscescens (Steph.) Cab.
Hylocichla aliciæ (Baird) Coues.
Hylocichla ustulata (Nutt.) Coues.
Regulus calendula (L.) Licht.
Polioptila cærulea (L.) Sclater.
Ampelis cedrorum (Vieill.) Bp.
Lanius borealis Vieill.
Vireosylva olivacea (L.) Bp.
Lanius ludovicianus L.
Helminthophaga pinus (Wils.) Bd. First Seen
Dendroica coronata (L.) Bp.
Seiurus aurocapillus (L.)
Geothlypis trichas (L.) Cab.
Icteria virens (L.) Bp.
Helminthophaga pinus (Wils.) Bd. First Seen
Harporhynchus rufus (L.) Bp.
Thryothorus ludovicianus (Lath.) Bp.
Troglodytes aedon Vieill.
Certhia familiaris americana Bonap.
Sitta carolinensis Lath.
Parus atricapillus L.
Parus bicolor L

[illegible] [illegible] [illegible]
[illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [

Strands, in the late season afternoon
Shies long exposed, and is very sweet
and quite varied.

May 15

Erythrina crista-galli L.
Erodium moschatum L'Her.
Erodium botrys (Cav.) Bert. first seen; abundant.
Erodium cicutarium (L.) L'Hérit. first seen; abundant.
Hedysarum coronarium L. Vast.
Trifolium resupinatum L. Vast.
Trifolium scabrum L. Fl.
Trifolium stellatum L. Fl.
Trifolium arvense L. Fl.
Vicia sativa L. Fl.
Vicia villosa Roth. Fl.
Vicia sativa L. var. angustifolia (L.) Koch. Fl.
Vicia hirsuta (L.) S. F. Gray. Fl.
Vicia tetrasperma (L.) Moench. Fl.
Vicia lathyroides L. Fl.
Lathyrus hirsutus L. Fl.
Lathyrus tingitanus L. Fl.
Lathyrus odoratus L. Fl.
Lathyrus latifolius L. Fl.
Lathyrus sylvestris L. Fl.
Lathyrus pratensis L. Fl.
Lathyrus clymenum L. Fl.
Lathyrus ochrus (L.) DC. Fl.
Lathyrus cicera L. Fl.
Lathyrus sativus

[illegible] (L.) [illegible]
[illegible] (L.) [illegible]
Troglodytes aedon (L.)
Mimotilla varia (L.)
Parula americana (L.) Bp.
Helminthophaga ruficapilla (Wils.) Bd.
Dendroica virens (Gm.) Bd. Abundant
Dendroica caerulescens (L.) Bd. do
Dendroica coronata (L.) Bp. do
Dendroica blackburniae (Gm.) Bd. do
Dendroica pennsylvanica (L.) Bd. do
Dendroica maculosa (Gm.) Bd. do
Seiurus auricapillus (L.) Sw. do
Geothlypis trichas (L.) Cab. do
Setophaga ruticilla (L.) Sw. do
Pyranga rubra (L.) V.
Hirundo [illegible]
Vireo olivaceus (L.) V. First Sen.
Chrysomitris tristis (L.) Bp.
Spizella pusilla (Wils.) Bp.
Spizella [illegible] (Wils.) Bp.
Zonotrichia albicollis (Gm.) Bp. Abundant
Zonia phea [illegible] (L.) Bowdich. First Sen.
Cyanospiza cyanea (L.) Bd. Abundant.
Pipilo erythrophthalmus (L.) V.
Icterus baltimore (L.) Bonap.
Icterus spurius (L.) Bp.
Corvus americanus Aud.
Tyrannus carolinensis (L.) Bd.
Empidonax minimus Bd.
Androstomus vociferus (Wils.) Bp.
Chaetura pelasgica (L.) Steph.
Coccyzus erythrophthalmus (Wils.) Bd.
Haliaetus leucocephalus (L.) Savigny
An adult bird seen —

May 17th 1877

List of Birds Seen

Turdus migratorius L.
Turdus mustelinus Gm.
Turdus swainsoni Cab. Very abundant; utters a note sounding like the bursting of air bubbles rising to the surface of fluid.
Turdus fuscescens (L.) Steph. Abundant.
Harporhynchus rufus (L.) Cab.
Thryothorus carolinensis (L.) Gr.
Sialia sialis (L.) Huldeman.
Troglodytes aed. — V.
Mimotilla varia (L.) V.
Helminthophaga pinus (L.) Bd. I shot a female that was skipping about among the low limbs of a small oak-tree by the side of a swampy brook, opposite a thick
Helminthophaga ruficapilla (Wils.) Bd.
Dendroica aestiva (Gm.) Bd. First Sen.
Dendroica virens (Gm.) Bd. Abundant.
Dendroica caerulescens (L.) Bd. Females abundant
Dendroica coronata (L.) Gr.
Dendroica pennsylvanica (L.) Bd.
Dendroica maculosa (Gm.) Bd. Abundant.
Seiurus auricapillus (L.) Sw. Very abundant.
Seiurus noveboracensis (Gm.) Nutt. Quite mute.
Geothlypis trichas (L.) Cab. Very abundant. Some of them are paired, and run along the ground under the thickest bushes, constantly answering each other's sharp clicking call-note.
Icterus virens (L.) Bd.
Myiodioctes mitratus (Gm.) Aud. Abundant. I saw many females without any black on the top of their heads. They have a sharp metallic note

May 19th 1877

I found very little bird in the woods. The thermometer was marked at one eighty for four days.

May 21st 1877

Pyrrhula vulgaris L.
(Lyrdus) inhabiting the
Canadian Provinces (N. Scotia
Prince Edward Island (Mr. Lee.
Hylocichla fuscescens Steph
Parus atricapillus L.
" carolinensis (Gray
Haematopus palliatus Temm (Mr Cole
Picoides americanus Brehm
Sciurus hudsonius Pall Mr. Lee.

Pyrrhula vulgaris (Gray
P. dominica Steph (Mr. Lee
Myiodioctes pusillus Bonaparte
Hylocichla mustelina (Gray Aud.
Hesperiphona vespertina (Cooper
Setophaga ruticilla Linn
Dryocopus pileatus (Linn
Accipiter fuscus (Gmel
Falco sparverius Linn
Falco columbarius Linn (Female)
Turdus fuscescens Steph (Mr. Lee
Empidonax pusillus (Swains
Vireo flavifrons Vieill
Vireo solitarius (Female)
Vireo olivaceus (Linn
Vireo flavifrons Vieill
Vireo solitarius (Female)
Empidonax minimus (Baird
Hylocichla fuscescens Steph (Mr. Lee
Pipilo erythrophthalmus (Linn
Dendroica coronata (Linn
Dendroica virens (Gmel
Dendroica maculosa (Gmel
Dendroica caerulescens (Gmel
Dendroica striata (Forst)
Mniotilta varia (Vieill
Seiurus aurocapillus (Linn
Geothlypis trichas (Linn
Sylvania pusilla (Pall
Setophaga ruticilla (Linn
Anthus ludovicianus (Gmel
Galeoscoptes carolinensis (Female)
Harporhynchus rufus (Female)
Troglodytes aedon Vieill
Troglodytes hiemalis (Vieill
Certhia familiaris Linn
Sitta canadensis Linn
Parus atricapillus L.
" carolinensis (Gray
Regulus satrapa Licht
Regulus calendula (Linn
Polioptila caerulea (Linn
Turdus migratorius L.
Merula migratoria Swains
Sialia sialis (Linn
Hylocichla mustelina (Gmel
Hylocichla fuscescens Steph (Mr. Lee
Hylocichla aliciae (Baird
Hylocichla guttata (Pall
Turdus nanus Aud. Bd.
Merula migratoria Swains
Sialia sialis (Linn
Ampelis cedrorum (Vieill
Vireo olivaceus (Linn
Vireo flavifrons Vieill
Vireo solitarius (Female)
Lanius borealis Vieill (Female)
Lanius ludovicianus Linn (Female)
Collurio virescens (Gmel
Myiarchus crinitus (Linn
Sayornis fuscus (Gmel
Contopus virens (Linn
Empidonax pusillus (Swains
Empidonax minimus (Baird
Tyrannus carolinensis (Female)
Myiodioctes pusillus Bonaparte
Hylocichla mustelina (Gmel
Hesperiphona vespertina (Cooper
Setophaga ruticilla Linn
Dryocopus pileatus (Linn
Accipiter fuscus (Gmel
Falco sparverius Linn
Falco columbarius Linn (Female)
Falco peregrinus Linn
Falco anatum Bp
Falco islandus Brünn (Female)
Falco rusticolus Linn (Female)
Falco islandus Brünn (Female)
Falco rusticolus Linn (Female)
Falco peregrinus Linn
Falco anatum Bp
Falco columbarius Linn (Female)
Falco sparverius Linn
Accipiter fuscus (Gmel
Dryocopus pileatus (Linn
Picoides arcticus Swains
Picoides americanus Brehm
Sphyrapicus varius (Linn
Colaptes auratus (Linn
Ceryle alcyon (Linn
Coccyzus erythrophthalmus (Wils
Coccyzus americanus (Female)
Ectopistes migratorius (Female)
Columba fasciata Say
Zenaidura macroura (Linn
Bonasa umbellus (Linn
Colinus virginianus (Linn
Ardea herodias Linn
Botaurus lentiginosus (Rackett
Botaurus exilis (Gmel
Ardea virescens Linn
Nycticorax nycticorax (Linn
Ardea egretta Gmel
Ardea candidissima Gmel
Ardea caerulea Linn
Rallus virginianus Linn
Porzana carolina (Linn
Fulica americana Gmel
Gallinula galeata (Licht
Grus americana (Female)
Charadrius dominicus Müll
Aegialitis vocifera (Linn
Aegialitis semipalmata Bonap
Aegialitis meloda (Ord
Aegialitis vocifera (Linn
Oxyechus vociferus (Linn
Squatarola helvetica (Linn
Gallinago wilsonii Temm
Macrorhamphus griseus (Female)
Macrorhamphus griseus (Female)
Gallinago wilsonii Temm
Totanus melanoleucus (Gmel
Totanus flavipes (Gmel
Totanus solitarius (Wils
Totanus macularius (Linn
Totanus vociferus (Linn
Totanus semipalmatus Bonap

[illegible] Hawk, Rio Vista
[illegible] Lactaria fulvigula Cal Stephs.
[illegible] and Rio Vista Cal Steph.
[illegible] [illegible] Mus fulvitelum Wilson Bd.
Circus Hudsonius, Marsh Hawk Wilson
[illegible] fulva Dekay Dr. Brewer
Falco sparverius Cal Ridgway Sacramento
Ceryle alcyon Cal Baird
Ardea herodias L. One fifty wingspread.

SINGULAR FLIGHT OF BIRDS.

Boston, May 17, 1877

Captain Bearse, of the steamer Glaucus, relates a curious incident of his last trip from New York. While passing through Long Island Sound, on Tuesday night, the sky being thick with smoke from the forest fires to the southward, it was observed, after nine o'clock, that the air was full of birds, apparently bewildered and in search of a resting place. Attracted by the glare of the ship's lights they steered their flight toward the vessel, and, striking against the masts or the house, fell dead upon the deck. A few of them were found to be alive. About 200 in all were picked up on the deck, representing thirteen different kinds of forest birds. During five hours they continued to drop on the vessel, she going at the time full twelve knots per hour, and multitudes of the poor creatures must have perished in the water. It is probable that the birds were driven from Long Island by the extensive forest fires and were flying over the Sound for shelter.

May 24th 1877

Today I dissected the [illegible] Hawk. Their stomachs contained large quantities of pebbly gravel with bones, scales & the female pocket two gophers & one rat, and the bill of the latter had been shattered by the blow which dispatched it and traveled the time of [illegible] skipping the bone dish.

Migrants arrived very early
Dendroica Striata

May 25th 1877

Vireo migratorius L.
Dendroica maculosa Gm.
Dendroica pensylvanica Cab Steph.
Vireus canadensis Cab Gr.
Hylocichla mustelina Cab Ord.
Sialia sialis Cab Haldeman
Troglodytes [illegible] Cab
Melospiza fasciata Cab. Two pairs were seen that from their actions seemed to be resting.
Turdus migratorius Gm. Bill yellow. Breast red. Tail [illegible] edged [illegible] white. [illegible] Female [illegible] Male [illegible] and made its appearance [illegible] in song.
Dendroica Striata Cab. [illegible] dissected [illegible]
Dendroica Carbonata Cab. [illegible]
Sturnus vulgaris Gmel. [illegible]
Icterus bullocki Cab.
Colaptes auratus Cab.
Myiodioctes [illegible]
Vireo Gilvus Bonaparte Cab
Melospiza melodia Cab.
Zonotrichia [illegible]
[illegible] coronata Cab.
[illegible] [illegible]
[illegible] in social Flocks Cab.
[illegible] [illegible]
[illegible] [illegible]
Sialia Arctica Cab.
[illegible] [illegible]
[illegible]

[illegible]

[illegible] pinioned (2.) Male. Very plenty
and very noisy. (1 pair) were
engaged in gathering a wood-
-pecker's nest, but the hollow
was made too small for the
[illegible]
to enlarge it. I shot one and wounded it. It
flew high up in the air in narrow
circles, & flapping its left wing all
the time, & at last, seizing hold
[illegible] with its claws, [illegible]
[illegible] & I saw that the left leg it
[illegible] & me, & was trying to kill
it. It pecked most fiercely at its head.

[illegible] (Not yet [illegible]
[illegible] (Not yet [illegible]
[illegible] (2) Male
[illegible] (2) Male
[illegible] were [illegible] about some tall trees
[illegible] they chased each other with loud
[illegible] cries and flapping, & occa-
-sionally settling on the tops
[illegible] the tallest
[illegible] & [illegible] slightest noise
[illegible] & [illegible]

[illegible] erythrocephalus (Not yet [illegible]
[illegible] auratus (2) Male
Pica [illegible] (Male) Shot a
magpie in search of a nest, many
[illegible] the year. It built a curious
[illegible] some weeks. After
a long search as I watched
[illegible] the summit of a tall
[illegible] deep, [illegible] ravine,
I saw a bird flying [illegible]

[illegible] it. He flew a little way and
[illegible] alighted, when I instantly shot
him, but deftly repelled it, a moment
after when I discovered that the nest
sitting close beside me [illegible] which in a few days would have con-
-tained eggs, and probably both adult
birds might then have been procured. I
think the bird I shot was the male, in
which case the female may possibly
occupy the nest yet.

May 26th 1877

[illegible]
[illegible]
[illegible] (2) Male
[illegible] (2) Male
[illegible] (2) Male

Nov 31st 1877

Turdus fuscescens (L) & Steph. One seen yesterday
Mniotilta varia (L) V. I have searched among rocks and roots, and watched the parents, trying to discover the nest of this species, which is quite abundant, but all my efforts are in vain.
Helminthurus vermivorus (Gm) Bp. A number of pairs are breeding near here, but all my efforts to discover the nests have hitherto been futile.
Dendroica pennsylvanica (L) Bd. Breeding quite abundantly. This is the only Dendroica I have seen for several days past.
Seiurus auricapillus (L) Sw. Breeding very abundantly
Seiurus ludovicianus (V) Bp. These birds are breeding here, but, owing to the artful manner in which their nests are always concealed, I have not taken any of their eggs, this year
Scolophagus trichas (L) Cab. Breeding very abundantly
Icteria virens (L) Bd.
Mimodioctes mitratus (Gm) And. This species is nesting very abundantly. The males always sing very sweetly
Setophaga ruticilla (L) Sw. Nesting abundant
Pyranga rubra (L) V.
Ampelis cedorum (L) Bd. Abundant in large flocks
Vireo olivaceus (L) V. Breeding very abundantly
Chrysomitris tristis (Wils) Bp.
Cyanospiza cyanea (L) Bd. Breeds abundantly
Pipilo erythrophthalmus (L) V. do
Poterus spurius (L) Bp. Breeding abundantly
Cyanurus cristatus (L) Sw.
Myiarchus crinitus (L) Cab. Abundant.

[illegible] Bd. Breeding
[illegible] (L) Cab. Nesting
Antrostomus vociferus (Wils) Bp. [illegible] abundant
Chordeiles virginianus (Gmel) Bp. do
Tachyra pelasgia (L) & Steph. [illegible]
Trochilus colubris L.
B[illegible] (L) Steph. [illegible] stumbled upon an old hen-[illegible] with the young. The mother drew herself along the ground with a loud squealing noise as of hair, and threw herself at my feet while the young scampered off through the [illegible] most of them crawling under a edge close by, but I caught one just at the edge of the rock, and afterwards found [illegible] other one hid under the leaves which I also secured. I put them in my pocket and afterwards turned them loose in my room. I put the afternoon in my room, blowing eggs, and one of them became quite gentle, trotting out from [illegible] box every minute and running close up to me and then turned and ran swiftly back. They called loudly all night, uttering four loud squealing notes, alternated with a series of chips, swiftly uttered. Both were found dead next morning

June 4th 1877

Dendroica [illegible] ♀ ad. Killed [illegible] caught a female sitting on two eggs.

Dendroica tigrina (Gm.) Cab. ♂ male with [illegible] of head and throat, [illegible] to show its markings by the enlarged edge left marsh [illegible] (Cab.) and Very abundant

Pipilo [illegible] ♀ ad. Iris

Myiarchus crinitus (L.) Cab.

Ant-ostomus vociferus (Wils.) Cab.

Sturnella [illegible] ♂ ad. Bill Black

Turdus [illegible] do

June 7. 1877

[illegible] Dendroica [illegible]

Cab. [illegible] ♂ adult [illegible] with W. H. H.

Blue-eyed Yellow-throat. Recognized by its [illegible] - Bill always [illegible] itself. Part of an obstacle 7 [illegible] saw it.

June 8. 1877

Cyanocitta cristata (L.) Cab. ♂ ad. Mixed [illegible] watched on their nest screech a screw and whistle, but did not [illegible]

Corvus corax sinuatus (Wied) Cab.

Cyanocitta cristata (L.) Cab.

Toxostoma [illegible] (Wied) Cab.

Labels of Specimens

No. 1366 Vireo solitarius (Wils.) ♂ ad. May 7. 1877. H.H. Irides dark reddish brown. Bill blue-black. Legs and feet dusky lead-color. — 5 50/100, 7 62/100, 3, 2 5/100, Bill 37/100. Tarsi 73/100.

1367 Vireo gilvus (Vieill.) ♂ ad. May 7. 1877. H.H. Irides deep brown. Bill with maxilla brown, mandible [illegible] — 5 86/100, 7 42/100, 2 85/100, 2 25/100. Bill 46/100. Gape, 68/100. Tarsi, 72/100.

1368. Seiurus aurocapillus (L.) Sw. ♂ ad. May 7. 1877. H.H. Iris hazel. Bill with maxilla brownish black; mandible flesh color. Legs & feet flesh-color. 5 26/100, 7 54/100, 2 28/100, 2 15/100

1369 Seiurus aurocapillus (L.) Sw. ♂ ad. May 7. 1877. H.H. Colors of parts the same as No. 1368. 5 25/100, 7 80/100, 3 5/100, 2 25/100. Bill 47/100. Gape, 60/100. Tarsi, 20/100.

1370 Dendroica albicollis (Gm.) Wils. ♂ ad. May 7. 1877. H.H. Iris brown. Bill dusky. Legs and feet light brown. 7, 2 60/100, 2 87/100, 2 90/100. Tarsi 22/100, Bill 46/100.

1371 Dendroica [illegible] (Wils.) ♂ ad. May 11. 1877. Orange Co. N. Y. Iris dark brown 7 10/16, 12 8/16, 3 13/16, 2 12/16.

1372 Mniotilta varia (Vieill.) ♂ ad. May 11. 1877. Orange Co. N. Y. Iris deep brown. Bill blackish. Legs & feet dusky. 5 4/16, 8, 2 2/16, 2.

1373 Setophaga ruticilla (L.) ♂ ad. May 11. 1877 Orange Co. N. Y. 5 7/16, 7 13/16, 2 8/16, 2 3/16.

1374 Pipilo erythrophthalmus (L.) ♂ ad. May 12. 1877 Orange Co. N.Y. Iris red. Bill black. Legs and feet light brown. 8 50/100, 11 48/100, 3 45/100, 3 66/100. Bill, 55/100. Gape, 70/100. Tips of bill to eye, 76/100. Tarsi, from Knee joint (All of these measurements are taken), 1 12/100. Hallux, 43/100; its claw, 32/100. Inner toe 44/100; its claw, 25/100. Middle toe, 73/100; its claw, 31/100. Outer toe, 50/100; its claw, 25/100. Graduation of tail, 40/100. 3 & 4 toe joined at base for a distance of 13/100 of an inch.

No. 1375 Hirundo horreorum Barton Fad. May 12. 1877 Shot over the R. R. near Constitution. Fd. by Wm Osborn. Irides very deep brown. Bill and feet black. 6 24/100, 12 53/100, 4 60/100, 3 14/100. Scapicaine of tail, 1 25/100. Bill 35/100. Width of gape, 49/100, Gape, 60/100, Tarsus 45/100. 1st toe, 23/100; its claw 20/100. 2nd toe, 30/100; its claw, 15/100. 3rd toe, 48/100, its claw, 20/100. 4th toe, 34/100; its claw, 15/100.

1376 Ictinia carolinensis (L.) Ord. Fad. May 11. 1877. H.F. Iris brown. Bill black. Legs & feet brownish black. 8 15/16, 11 8/16, 3 2/16, 3 15/16.

1378 Chrysomitris tristis (L.) Bp. Fad. May 11. 1877 H.F. 5 4/16, 7 1/16, 2 14/16, 2 4/16.

1379 Sciurus ludovicianus (L.) Bp. Fad. May 11. 11. F. Rails. Pond. 6 5/16, 10 3/16, 3 3/16, 2 2/16.

1377 Spizella pusilla (Wils.) Fad. May 12, 18, 77 H.F. Iris brown. Bill and feet black. 5 50/100, 8 35/100, 2 71/100, 9 23/100.

1380 Sturnus vulgaris (L.) Fad. May 12. 1877 H.F. 6 2/100, 9 75/100, 3 1/100, 2 25/100.

1381 Fringilla americana (L.) Bp. Fad. May 12. 1877. H.F. 5, 7 63/100, 2 35/100, 1 75/100.

1382 Seotothrus Nuttalli (L.) Coab. Fad. May 12. 1877 H.F. 5 4/16, 7 3/16, 2 4/16, 2.

1383 Fringilla americana (L.) Bp. Fad. May 12. 1877. H.F. 4 13/16, 7 10/16, 2 6/16, 1 12/16.

1384 Ant estomus vociferus (Wils.) Bp. Fad. May 14. 1877 H.F. 9 21/100, 18 70/100, 6 25/100, 4 50/100. Bill 37/100. Gape, 1 37/100. Width of gape, 1 17/100. Tip of maxilla to eye, 1 13/100. Length of nostril, 1 45/100, Tarsi 75/100. 1st toe, 25/100; its claw, 15/100. 2nd toe, 32/100; its claw, 16/100. 3rd toe, 55/100; its claw, 25/100. The middle claw (3rd) is serrated, somewhat as in the Night Herons. (H) 4th toe, 12/100; its claw, 15/100. 2nd & 3rd, and 3rd & 4th toes, connected by webs. Webbed portion of each is 17/100. Tip of tail to occiput 1. 73/100. Graduation of tail, 57/100. Quills 2-3-1-4, Tips regularly decreasing

in width filled with bristles, from the large. May Beetle in size, to minute. A band of many different species.

1385 Picus villosus L. Fad. May 14. 1877. Highland Falls. Iris red brown. Bill blue-black. Legs and feet dark. 9, 15 12/100, 4 61/100, 3 4/100. Bill 1/100. Gape 1 15/100, Tarsus 64/100. 1st toe 25/100; its claw, 14/100. 2nd toe, 46/100; its claw, 33/100. 3rd toe, 55/100; its claw. 37/100; 4th toe, 61/100; its claw, 38/100. Graduation of tail 75/100. Occiput. 1 5/100. Stomach full of insects.

1386 Harporhynchus rufus (L.) Coab. May 14. 1877. W.F. Iris yellow. Bill blackish, base of mandible pink. Legs & feet flesh brown. 11 25/100, 12 75/100, 3 26/100, 4 81/100. Bill 98/100; Gape, 1 28/100. Tarsus 1 38/100.

1387 Zonotrichia albicollis (Gml.) Bp. Fad. May 14. 1877. W.F. Iris brown. Bill blackish. Legs & feet brown 6 87/100, 9 52/100, 2 85/100, 2 20/100. Bill 48/100, Gape, 130/100. Tarsi 1.

1388 Zonotrichia albicollis (Gml.) Bp. Fad. May. 14. 1877 W.F. Iris brown. Bill blackish. Tarsi & toes, brown. 6 80/100. 9, 2 80/100, 2 80/100. Contained a nearly full clutch of fresh eggs.

1389 Dendroica caerulescens (L.) Bd. Fad. May 14. W.F. Iris brown. Bill black. Legs & feet yellowish brown. 5 35/100, 8, 2 55/100, 2 [illegible]/100.

1390 Tolanus solitarius Wils. May 15. 1877. H.F. Echo Lake. Iris brown. Bill blackish. Legs & feet greenish, 8 53/100. 16 45/100, 5 32/100, 2 26/100. Bill 1 11/100. Gape, 1 20/100. Tip of bill to eye, 1 51/100. Tarsi 1 18/100. Bare part of tibia, 77/100. Middle toe 97/100 its claw 20/100

1391 Cyanospiza cyanea (L.) Bd. Fad. May 15, 1877. H.F. Iris brown. Bill blue-black. Legs & feet black. 5 50/100, 8 61/100, 2 61/100, 2 4/100. Bill 37/100, Gape, 42/100; Tarsi, 67/100. Middle toe, 47/100; its claw, 47/100.

1392 Seiurus noveboracensis (Gm.) Nutt. Fad May 15, 1877. H.F. Iris [illegible]; bill brownish black. Legs & feet light brown, 6, 9 75/100, 3 8/100, 2 7/100. Bill 47/100. Gape 67/100, Tarsus, 85/100 Middle toe, 55/100; its claw, 14/100

No. 1393 Dendroica palmarum (Gm.) Bd. ♂ ad. Apr. 16. 1877
H. F. Iris brown. Bill blackish; base of mandible horn-color. Legs & feet dark brown.
5 63/100, 8 75/100, 2 78/100, 2 25/100, Tarsi 78/100, Bill, 43/100.

1394 Dendroica palmarum (Gm.) Bd. ♂ ad. April 16. 1877
H. F. Iris brown. Bill blackish; base of mandible horn color. 5 50/100, 8 77/100, 2 76/100, 2 26/100.
Tarsi, 74/100. Middle toe & its claw, 67/100. Bill, 40/100.

1395 Sayornis fuscus (Gm.) Bd. (♀?) March 26. 1877
H. F. Iris dark hazel. Bill black, with base of mandible brownish. Tarsi & toes black.
7 1/16, 11 2/16, 3 6/16, 2 15/16. Tarsi 11/16, Mid. toe & claw, 9 1/2/16. Bill 9 1/2/16. Gape 13/16.

1396 Ectopistes migratorius (L.) Sw. ♂ ad. March 26. 1877
H. F. Irides, tarsi & toes red. Bill black.
16 12/16, 24 5/16, 7 14/16, 7 10/16, Tarsi 1 3/16, Mid. toe & claw, 1 8/16.

1397 Turdus mustelinus Gm. May 15. 1877.
H. F. Iris brown. Bill brownish blk. on maxilla; base of mandible pinkish flesh-color. Claws brownish white. 8 50/100, 14 13/100, 4 50/100, 3 8/100. Bill, 71/100. gape, 1. Tarsi 1 30/100, Middle toe, 72/100; its claw 25/100.

1398 Turdus swainsoni Cab. May 15. 1877. H. F.
Iris brown. Bill with maxilla and tip of mand. blackish; mandible pinky-white at base. Legs & feet brown. 7 39/100, 12 39/100, 4 8/100, 2 90/100.
Bill, 50/100, gape, 79/100, Tip of bill to eye, 84/100. Occiput 1 4/100
Tarsi 1 17/100, Middle toe 62/100; its claw, 22/100.

1399 Turdus fuscescens (L.) Steph. ♂ May 15. 1877. H. F.
Iris brown. Bill with maxilla brownish-black; mandible light yellow, shadow int. dusky at tip. Legs & feet flesh-color. 7 75/100, 12, 3 93/100, 3. Bill, 52/100. gape, 86/100. Tip of bill to eye, 91/100. Occiput, 1 4/100. Tarsi 1 35/100. Middle toe, 69/100; its claw. 22/100.

1400 Harporhynchus rufus (L.) Cab. May 15. 1877
H. F. Iris yellow. Bill blackish; horn-color at base of mandible. Legs & feet brown.
11 25/100, 13 24/100, 4, 4 85/100. Bill, 95/100. gape, 1 34/100. Tip of bill to eye, 1 34/100. Occiput, 1 25/100 Tarsi, 1 35/100. Middle toe, 90/100; its claw, 31/100.

No. 1401 Pipilo erythrophthalmus (L.) V. ♂ ad. May 15. 1877
H. F. Irides red. Bill black. Legs & feet brown.
8 50/100, 11 41/100, 3 43/100, 3 67/100. Bill 53/100; gape, 73/100, Occiput, 1 4/100. Tarsi 1 10/100. Middle toe 73/100; its claw, 29/100.

1402 Turdus fuscescens (L.) Steph. ♀ ad. May 15. 1877. H. F.
Iris brown. Bill with maxilla brownish blk.; mandible yellow at base; dusky at tip. Legs and feet fleshy brown. 7 60/100, 12, 3 75/100, 2 90/100.
Bill, 54/100. gape, 83/100. Tarsi, 1 17/100. Middle toe, 67/100; its claw, 21/100.

1403 Pyranga rubra (L.) V. ♀ ad. May 15. 1877. H. F.
Iris brown. Bill lead-color. Legs and feet bluish horn-color. 7 38/100, 12, 3 79/100, 2 68/100. Bill 61/100. gape 77/100; to eye, 90/100; Occiput, 96/100. Tarsi, 79/100. Middle toe, 56/100; its claw, 25/100.

1404 Dendroica maculosa (Gm.) Bd. ♂ ad. May 15. 1877
H. F. Iris brown. Bill and feet black.
5 11/100, 7 88/100, 2 47/100, 1 97/100. Bill, 41/100; gape, 54/100; to eye, 65/100. Occiput, 75/100, Tarsus, 78/100. Middle toe, 37/100; its claw, 15/100.

1405 Dendroica blackburniae (Gm.) Bd. ♂ ad. May 15, 1877. H. F. Iris hazel. Bill blackish, with base of mandible horn-color. Legs and feet yellowish brown. 5 38/100, 8 40/100, 2 67/100, 2. Bill, 44/100; gape, 55/100. Occiput, 78/100. Tarsus, 70/100. Middle toe, 40/100; its claw, 16/100.

1406 Dendroica pennsylvanica (L.) Bd. ♂ ad. May 15. 1877. H. F. Iris brown. Bill and feet bluish blk. 5 34/100, 7 81/100, 2 45/100, 1 94/100. Bill, 40/100; gape, 54/100. Occiput, 75/100, Middle toe, 40/100; its claw, 16/100. Tarsus, 70/100.

1407 Dendroica caerulescens (L.) Bd. ♂ ad. May 15. 1877. H. F. Iris brown. Bill & feet blackish
5 40/100, 7 99/100, 2 48/100, 2 13/100, Bill 40/100; gape, 54/100. Occiput, 76/100. Tarsi, 72/100, Middle toe, 44/100; its claw, 19/100.

1408 Parula americana (L.) Bp. ♂ ad. May 15. 1877
H. F. Iris brown. Bill with maxilla black; mandible, yellow. Legs & feet yellow-black-brown.
5 82/100, 7 50/100, 2 37/100, 1 68/100.

NO. 1409 Dendroica blackburniae (Gm.) Bd. ♀ ad. May 16. 1877. Iris brown. Bill blk. Legs & feet flesh-black, brown. Wing 3.25/100. Tail 2.64/100. 2nd 2.75/100. 3rd 2.98/100. Bill, .44/100; gape, .56/100. Occiput, .72/100. Sup. of bill to eye .65/100. Tarsus, .73/100. Middle toe, .38/100; its claw, .18/100.

1410 Dendroica blackburniae (Gm.) Bd. ♂ ad. May 16. 1877. N.T.F. Colors of parts a little less dark than No. 1409. Wing 3.40/100, Tail 2.48/100, 2nd 2.72/100, 3rd .

1411 Dendroica caerulescens (L.) Bd. ♀ May 16. 1877. N.T.F. Iris brown. Bill dead black. Legs & feet brown. Wing 2.30/100. Tail 2.62/100, 2nd 2.45/100, 3rd 2.8/100, Bill, .42/100; gape, .55/100. Occiput .78/100. Tarsus, .75/100. Middle toe, .45/100. its claw .17/100

1412 Dendroica caerulescens (L.) Bd. ♂ ad. May 16. 1877. N.T.F. Iris brown. Bill black. Legs & feet blackish brown. Wing 2.32/100, Tail 2.25/100, 2nd 2.63/100, 3rd 2.13/100.

1413 Vireo olivaceus (L.) V. ♂ ad. May 16. 1877. H.T.F. Iris red. Bill with maxilla nearly black; mandible, white, shading into lead-color at tip. Legs & feet lead-color. Wing 2.39/100, Tail 2.25/100, 2nd 2.18/100, 3rd 2.20/100. Bill, .53/100. Occiput .58/100; gape, .76/100. Tarsus, .70/100. Middle toe, .40/100; its claw, .20/100.

1414 Icterus baltimore (L.) Daudin ♂ ad. May 16. 1877. H.T.F. Wing 3.50/100, Tail 2.96/100, 2nd 3.67/100, 3rd 2.84/100.

1415 Helminthophaga pinus (L.) Bd. ♀ ad. May 17. 1877. N.T.F. Near Bell's Pond. Iris hazel. Bill blackish, lighter on edges of mandibles. Legs & feet, deep brown. Claws light yellow. Wing 2.80/100, Tail 2.24/100, 2nd 2.25/100, 3rd 1.77/100. Bill, .49/100; gape, .55/100. Occiput, .65/100. Sup. of bill to eye, .63/100. Tarsus, .68/100 Middle toe, .38/100. its claw .15/100.

1416 Myiodioctes mitrata (Wils.) Bp. ♂ ad. May 17. 1877. H.T.F. Iris hazel. Bill with maxilla deep brown; mandible flesh-color at base, shading into brown at tip. Legs & feet brown. Wing 2.50/100, Tail 2.66/100, 2nd 2.17/100, 3rd 2. Bill .35/100. culmen .46/100. Sup. of bill to eye, .55/100. Occiput, .70/100. Tarsus, .70/100. Middle toe .44/100; its claw, .18/100. Hallux, .25/100; its claw, .20/100.

NO. 1417 Dendroica aestiva (Gm.) Bd. ♂ ad. May 17. 1877. N.T.F. Iris brown. Bill blue-black. Legs & feet yellow. Wing 2.18/100. Tail 2.87/100, 2nd 2.54/100, 3rd 2.81/100. Bill, .40/100. Tarsus, .74/100.

1418 Icterus spurius (L.) Bp. ♂ ad. May 17. 1877. N.T.F. Iris brown. Bill black, linear basal maxillule. Legs & feet blue. Wing 3.35/100, Tail 2.50/100, 2nd 2.22/100, 3rd 3.2/100, Bill .66/100; gape, .73/100. Occiput .83/100, Tarsus .82/100 Middle toe, .57/100; its claw, .26/100.

1419 Icterus spurius (L.) Bp. ♀ ad. May 17. 1877. N.T.F. Colors like No. 1418. Wing 3.50/100, Tail 3.36/100, 2nd 3.21/100, 3rd . Bill, .64/100; gape .70/100, Occiput, .84/100, Tarsus .92/100 (too far nicked. Longer than above) Mid toe, .58/100; its claw .26/100

1420 Seiurus ludovicianus (L.) Bonaparte ♂ May 17. 1877. N.T.F. Iris brown. Bill white. Legs & feet lead-color. Wing 3.25/100, Tail 2.84/100, 2nd 3.25/100, 3rd 4.24/100, 4th . Bill .65/100; gape .75/100. Occiput, .66/100. Tarsus .87/100. Middle toe, .66/100. Its claw, .26/100.

1421 Seiurus ludovicianus (L.) Bonaparte ♂ May 17. 1877. N.T.F. Iris brown. Bill white. Legs & feet lead-color. Wing 3.39/100, Tail 3.20/100, 2nd 2.97/100. Bill .73/100. Gape .77/100. Occiput, .66/100. Tarsus .84/100. Middle toe .66/100, its claw, .26/100. (These measurements were very carefully taken. The bill much more robust than in No. 1420).

1422 Piranga rubra (L.) ♂ ad. May 17. 1877. N.T.F. Iris hazel-pupil very small. Bill light greenish olive. Tarsi & toes, dusky lead-color. Wing 2.25/100, Tail 2.88/100, 2nd 2.65/100, 3rd 2.75/100. Bill .60/100; gape, .76/100. Sup. of bill to eye, .80/100. Tarsi .70/100. Middle toe, .57/100; its claw, .25/100.

1423 Icterus spurius (L.) Bp. ♂ ad. May 17. 1877. N.T.F. Iris brown. Bill with maxilla blue-black, mandible white at base, shading through light blue to blue-black at tip. Legs & feet blue. Wing 3.14/100, Tail 2.98/100, 2nd 3.14/100, 3rd 2.98/100. Bill .64/100, Gape, .75/100. Occiput, .67/100. Tarsus, .92/100. Middle toe, .54/100 its claw .25/100.

No. 1424 Dendroica blackburniae (Sh. Mel.) ♂ad. May 17, 1877 H. ♂. Iris brown. Bill & feet dusky. 5-$\frac{32}{100}$, 8-$\frac{32}{100}$, 8-$\frac{34}{100}$, 2-$\frac{72}{100}$, 1-$\frac{94}{100}$.

1425 Dendroica blackburniae (Gmel.) Bd. ♂ad. May 17, 1877 H. ♂. Iris brown. Bill & feet dusky. 5-$\frac{26}{100}$, 8-$\frac{78}{100}$, 2-$\frac{75}{100}$, 1-$\frac{28}{100}$.

1426 Myiodioctes mitratus (Gmel.) Ad. ♂ad. May 17, 1877. H. ♂. Iris hazel. Bill blackish. Legs & feet yellowish (white). 5-$\frac{75}{100}$, 7-$\frac{96}{100}$, 2-$\frac{50}{100}$, 2-$\frac{23}{100}$. Bill $\frac{43}{100}$. gape, $\frac{57}{100}$. Occiput, ~~$\frac{79}{100}$~~ $\frac{79}{100}$. Tarsus $\frac{77}{100}$. Middle toe, $\frac{45}{100}$; its claw, $\frac{18}{100}$.

1427 Myiodioctes mitratus (Gmel.) Ad. ♀ May 17, 1877 H. ♂. Colors like No. 1426. 5-$\frac{70}{100}$, 7-$\frac{75}{100}$, 2-$\frac{50}{100}$, 2-$\frac{25}{100}$.

1428 Myiodioctes mitratus (Gmel.) Ad. ♀ May 17, 1877 H. ♂. Colors like above. 5-$\frac{65}{100}$, 8-$\frac{55}{100}$, 2-$\frac{26}{100}$.

1429 Dendroica blackburniae (Gmel.) Bd. ♂ad. H. ♂. May 18, 1877. 5-$\frac{35}{100}$, 8-$\frac{40}{100}$, 2-$\frac{74}{100}$, 2.

1430 Myiodioctes canadensis (L.) Ad. ♂ May 18, 1877 H. ♂. Iris brown. Bill with maxilla blackish; mandible, yellow. Legs & feet yellow. 5-$\frac{52}{100}$, 8-$\frac{23}{100}$, 2-$\frac{60}{100}$, 2-$\frac{26}{100}$. Bill, $\frac{44}{100}$.

1431 Pyranga rubra (L.) Ad. ♂ May 18, 1877. H. ♂. Iris brown. Bill light olive. Legs and feet brownish lead-color. 7-$\frac{33}{100}$, 11-$\frac{72}{100}$, 3-$\frac{75}{100}$, 2-$\frac{80}{100}$.

1432 Pyranga rubra (L.) Ad. ♂. May 18, 1877. H. ♂. Colors like above – 1431 – 7-$\frac{50}{100}$, 11-$\frac{96}{100}$, 3-$\frac{75}{100}$, 2-$\frac{82}{100}$.

1433 Dendroica virens (Gmel.) Bd. ♀ May 18, 1877 H. ♂. Iris brown. Bill black. Legs & feet brownish black. 5-$\frac{14}{100}$. 7-$\frac{65}{100}$, 2-$\frac{43}{100}$, 1-$\frac{95}{100}$. Bill $\frac{44}{100}$; gape, $\frac{55}{100}$. Occiput, $\frac{78}{100}$. Tarsi $\frac{70}{100}$. Middle toe, $\frac{40}{100}$; its claw, $\frac{16}{100}$.

1434 Myiodioctes canadensis (L.) Ad. ♂ May 18, 1877. H. ♂. Iris brown. Bill with maxilla blackish; mandible yellow. Legs & feet yellow. 5-$\frac{62}{100}$, 7-$\frac{55}{100}$, 2-$\frac{49}{100}$, 2-$\frac{27}{100}$.

No. 1435 Myiodioctes canadensis (L.) Ad. ♂. May 16, 1877. H. ♂. Iris brown. Bill with maxilla blackish; mandible, yellow. Legs & feet, yellow. 5-$\frac{65}{100}$, 8-$\frac{7}{100}$, 2-$\frac{60}{100}$, 2-$\frac{28}{100}$.

1436 Seiurus aliciae (Bd.) ♂ad. May 19, 1877 H. ♂. Iris brown. Bill blackish; yellow at base of mandible. Legs & feet brown. 7-$\frac{75}{100}$, 13, 4-$\frac{14}{100}$, 3-$\frac{5}{100}$. Bill $\frac{55}{100}$; gape, $\frac{82}{100}$. Occiput, $\frac{99}{100}$. Tarsus, 1-$\frac{25}{100}$. Middle toe $\frac{65}{100}$, its claw, $\frac{35}{100}$.

1437 Dendroica pennsylvanica (L.) Bd. ♂ May 19, 1877 H. ♂. Iris brown. Bill & feet dusky, 5-$\frac{4}{100}$, 7-$\frac{33}{100}$, 2-$\frac{31}{100}$, 1-$\frac{86}{100}$.

1438 Myiodioctes canadensis (L.) Ad. ♂ May 19, 1877 H. ♂. 5-$\frac{38}{100}$, 7-$\frac{75}{100}$, 2-$\frac{36}{100}$, 2-$\frac{8}{100}$.

1439 Dendroica castanea (Wils.) Bd. ♂ May 19, 1877 H. ♂. Iris brown. Bill and feet dusky. 5-$\frac{78}{100}$, 9-$\frac{49}{100}$, 3-$\frac{2}{100}$, 2-$\frac{25}{100}$. Bill $\frac{46}{100}$; gape, $\frac{59}{100}$. Occiput, $\frac{75}{100}$. Tarsus $\frac{71}{100}$.

1440 Dendroica striata (Forst.) Bd. ♂ad. May 19, 1877. H. ♂. Iris brown. Bill ~~black~~ blackish; mandible yellowish. Legs and feet yellowish brown. 5-$\frac{64}{100}$, 8, 2-$\frac{99}{100}$, 2-$\frac{5}{100}$. Bill $\frac{45}{100}$; gape, $\frac{53}{100}$. Occiput, $\frac{80}{100}$. Tarsus, $\frac{70}{100}$.

1441 Colaptes rufipunctatus (St. Bois.) ♂ad. May 21, 1877 Camp~~ton~~ Id. Iris brown. Bill black ~~with white~~; legs & feet ~~yellow~~; brown 5-$\frac{39}{100}$, 10-$\frac{88}{100}$, 3-$\frac{20}{100}$, 1-$\frac{95}{100}$. Culmen of tail $\frac{35}{100}$. Bill, $\frac{25}{100}$. Culmen $\frac{52}{100}$ Occiput $\frac{75}{100}$. Tarsi $\frac{47}{100}$. Middle toe, $\frac{35}{100}$; its claw, $\frac{22}{100}$.

1442 Tyrannus carolinensis (L.) Bd. ♂ad. May 21, 1877 H. ♂. Iris brown. Bill & feet blk. 5-$\frac{58}{100}$, 14-$\frac{26}{100}$, 4-$\frac{75}{100}$, 3-$\frac{50}{100}$. Bill, $\frac{74}{100}$. Gape, $\frac{95}{100}$, Occiput, $\frac{28}{100}$ Tarsus, $\frac{77}{100}$. Middle toe, $\frac{57}{100}$. Its claw, $\frac{26}{100}$.

No. 1443 Cyanospiza cyanea (L.) Bd. Fac. May 21 M. Bk. Iris brown. Bill with maxilla blue-black; mandible pale bluish. Legs bluish black. 5 40/100, 8 12/100, 2 45/100, 2 4/100 Bill 41/100. culmen 45/100 Occiput, 73/100 Tarsus 72/100. Middle toe 77/100: its claw 19/100

1444 Telmatodytes palustris (Wils.) Coal. Bad. May 21 1877. Conn. Ct. Id. Hudson Riv. Irides brown. Bill blackish on maxilla, mandible flesh-color at base - dusky at tips. Legs & feet brown — 5 25/100, 6 54/100, 2, 1 73/100. Bill 57/100 culmen 75/100. Tip of bill to eye, 78/100. Occiput, 75/100. Tarsus 80/100. Middle toe 50/100; its claw, 21/100. Hallux 31/100; its claw, 30/100.

1445 Pyranga rubra (L.) C. Bad. May 22. 1877. M. Bk. Iris brown. Bill pale olive. Legs & feet dusky-color. 7 13/100, 11 63/100, 3 65/100, 2 69/100 Bill 60/100. Gape, 79/100, Occiput, 99/100. Tarsus, 80/100. Middle toe 50/100 its claw, 24/100.

1446 Agelaeus phoeniceus (L.) C. Bad. May 21. 1877 Conn. Ct. Id. Iris brown. Bill blackish. Legs & feet brownish 7 85/100, 12 60/100, 3 87/100, 2 23/100 Bill 75/100 Tarsus 1/100.

1447 Telmatodytes palustris (Wils.) Coal. Bad. May 21, 1877. Conn. Ct. Id. 5 95/100, 6 30/100, 1 98/100, 1 72/100. Color like 1444

1448 Dendroica aestiva (Bodd.) Allen. Bad. May 23, 1877. Constitution Id. Hudson River, N.Y. Iris carmine. Bill black; base of bill & eye, greenish blue. Edges of mouth (inside) pale ~~light~~ green. Legs & feet greenish yellow; Claws yellow, suffused with dusky. Middle claw serrated on its inner-edge to near its point — 19 specimens 27, 46 10/100, 11 80/100, 4 68/100. Length to end of claws 33 15/100 Bill, from frontal feathers, 3 17/100. Tip of bill to eye, 4. Tip of bill to nasal orifice, 2 11/100 Length of nostril, 67/100. Gape, 4 36/100 Occiput, 2 97/100. Base part of tibia to Knee-joint, 1 32/100. Tarsus 3 14/100. Hallux, 1 20/100; its claw, 76/100. Inner toe, 1 86/100; its claw, 56/100. Middle toe, 2 70/100; its claw 59/100. serrated portion 34/100 Outer toe, 2 15/100; its claw, 41/100

head-plumes, 8 60/100. Web between 3rd & fourth toes 78/100. Shot in the Hemlocks.

1449 Dendroica aestiva (Bodd.) Allen. Bad. May 23 1877. Constitution Id. Hudson River N.Y. Colors same as above - No. 1448 25 65/100, 16 15/100, 12, 4 46/100. Length to end of toes, 32 75/100, Bill, 3 7/100. Tip of bill to eye, 3 83/100 Gape 4 10/100, Occiput, 2 83/100. Base part of tibia to Knee joint, 1 44/100. Tarsus, 3 32/100. Last 2 joints of left outer toe wanting. Hallux 1 31/100 its claw, 70/100. Inner toe 1 22/100; its claw, 55/100. Middle toe, 2 79/100. its claw 52/100. Outer toe 2 10/100 its claw, 45/100. Head-plumes 8 6/100. Web between 3rd & fourth toes, 68/100

1450 Dendroica aestiva (Bodd.) Allen. Bad. May 23. 1877 Constitution Id. Hudson R. N.Y. Irides rich, deep orange, mixed with carmine. Bill black on ridge of maxilla, greenish black on edges of maxilla and all of mandible. Bare skin about eye light purplish. Legs & feet yellowish emerald green, mixed with purple and gamboge. Claws dusky-middle claw serrated on its inner-edge, Larger than adults 27, 46 15/100, 11 26/100, 4 65/100. Length to end of toes, 34 10/100 Bill 3 12/100. Tip of bill to eye, 4 7/100. Gape, 4 35/100 Occiput 2 98/100. Bare part of tibia, 1 37/100. Tarsus 3 31/100. hallux, 1 38/100, its claw, 85/100 Inner toe, 1 89/100 its claw, 62/100, Middle toe, 2 85/100; its claw, 54/100. Web, measured along middle toe, 76/100 No. head plumes serrated.

1451 Pipilo erythrophthalmus (Say) Coal. Bad. May 23. 1877. Constitution Id. Hud. Riv. N.Y. Iris brown. Bill black. Legs & feet brown. 6 3/100, 12 54/100, 4 50/100 2 7/100. Bill 30/100. culmen, 62/100. Occiput, 85/100. Tarsus, 50/100. Middle toe, 53/100; its claw, 25/100.

No. 1452 (Petrochelidon lunifrons (Say) Cab. ♀ ad. May 23. 1877. Constitution Id. Hudson River, New York. Colors like No. 1451. 5 $\frac{85}{100}$, 12 $\frac{50}{100}$, 4 $\frac{45}{100}$, 2 $\frac{2}{100}$.

1453 Petrochelidon lunifrons (Say) Cab. ♀ ad. May 23. 1877. Constitution Id. Colors same as above. 6 $\frac{55}{100}$, 12 $\frac{45}{100}$, 4 $\frac{29}{100}$, 2 $\frac{10}{100}$.

1454 Petrochelidon lunifrons (Say) Cab. ♀ ad. May 23. 1877. Constitution Id. Hudson River, New York. Colors same as above. 6, 12 $\frac{2}{100}$, 4 $\frac{28}{100}$, 2 $\frac{5}{100}$.

1455 Colyle riparia (L.) Boi ♀ ad. May 23. 1877. Constitution Id. Iris brown. Bill black. Legs & feet brown. 5 $\frac{27}{100}$, 10 $\frac{82}{100}$, 1, 2 $\frac{11}{100}$. Bill $\frac{27}{100}$. culmen $\frac{54}{100}$. Occiput, $\frac{77}{100}$. Tarsus $\frac{99}{100}$. Middle toe $\frac{71}{100}$; its claw, $\frac{23}{100}$.

1456 Dolychonyx oryzivorus (L.) ♂ ad. May 23. 1877. Constitution Id. Iris brown. Bill with maxilla brown; mandible pinky white. Legs & feet, pale brown. 7 $\frac{15}{100}$, 17 $\frac{25}{100}$, 3 $\frac{54}{100}$, 2 $\frac{43}{100}$. Bill $\frac{58}{100}$. Gape $\frac{61}{100}$. Occiput, $\frac{85}{100}$. Tarsus, 1 $\frac{7}{100}$. Middle toe, $\frac{78}{100}$; its claw $\frac{31}{100}$. Hallux $\frac{42}{100}$; its claw, $\frac{48}{100}$.

1457 Icterus spurius (L.) Bp. ♀ ad. May 23. 1877. Constitution Id. Hudson River. N. Y. Iris brown. Bill black; blue at base of mandible. Legs & feet, bluish. 7 $\frac{30}{100}$, 10 $\frac{50}{100}$, 3 $\frac{34}{100}$, 2 $\frac{10}{100}$.

1458 Melospiza palustris (Wils.) Bd. ♀ May 23. 1877. Constitution Id. Shot from nest containing one egg. Iris brown. Bill with maxilla black. Mandible horn-color. Legs & feet fleshy brown. 6. 8 $\frac{14}{100}$, 2 $\frac{43}{100}$, 2 $\frac{28}{100}$.

1459 Seothlypis trichas (L.) Cab. ♀ ad. May 23. 1877. Constitution Id. 5 $\frac{27}{100}$, 7, 2 $\frac{5}{100}$, 1 $\frac{216}{100}$. Bill, $\frac{49}{100}$. Tarsus $\frac{77}{100}$.

1460 Chrysomitris tristis (L.) Bp. ♀ ad. May 23. 1877. Constitution Id. Irides, tarsi & toes brown. Bill orange; black on ridge near tip. 5 $\frac{26}{100}$, 9 $\frac{7}{100}$, 2 $\frac{20}{100}$, 2. Bill $\frac{40}{100}$. Tarsus, $\frac{55}{100}$. Middle toe, $\frac{44}{100}$; its claw $\frac{23}{100}$.

1461 Chrysomitris tristis (L.) Bp. ♂ ad. May 23. 1877. Constitution Id. Colors of parts like No. 1460. 4 $\frac{82}{100}$, 8 $\frac{50}{100}$, 2 $\frac{64}{100}$, 1 $\frac{86}{100}$. Bill $\frac{41}{100}$. Tarsus, $\frac{55}{100}$. Middle toe, $\frac{37}{100}$; its claw, $\frac{20}{100}$.

1462 Corvus americanus Aud. ♀ ad. May 23. 1877. Hornby, Constitution Id. Irides brown. 19 $\frac{20}{100}$, 36 $\frac{75}{100}$, 11 $\frac{85}{100}$, 7 $\frac{15}{100}$. Bill, 1 $\frac{90}{100}$; ~~culmen~~ ~~gape~~, 2 $\frac{20}{100}$. Occiput, 2 $\frac{3}{100}$. Tarsus 2 $\frac{44}{100}$. Middle toe, 1 $\frac{50}{100}$; its claw, $\frac{56}{100}$. Oil-gland extremely developed. - Moulting.

1463 Turdus pallasii (Cab.) Bp. ♀ May 25. 1877. Orange Co. N. Y. shot from beside her nearly-finished nest. Irides hazel. Bill pale brown. Cere, gape, edges of mouth & interior yellow. Legs & feet, pale brown. Claws whitish black. Stomach filled with seventeen-years-locusts. Cicada

1464 Corvus americanus Aud. ♀ ad. May 23. 1877. Morrison's Putnam Co. N. Y. Irides hazel. 18 $\frac{85}{100}$, 36 $\frac{70}{100}$, 11 $\frac{80}{100}$, 7 $\frac{14}{100}$. Bill, 1 $\frac{80}{100}$. Culmen Tarsus, 2 $\frac{22}{100}$. Middle toe, 1 $\frac{37}{100}$; its claw, $\frac{58}{100}$.

1465 Corvus americanus Aud. ♂ ad. May 26. 1877. H. P. Iris hazel - Bill tipped black. 19 $\frac{30}{100}$, 36 $\frac{80}{100}$, 11 $\frac{50}{100}$, 7 $\frac{45}{100}$. Bill, 1 $\frac{90}{100}$. ~~culmen~~ ~~gape~~, 2 $\frac{20}{100}$. Occiput 2 $\frac{6}{100}$. Tarsus 2 $\frac{40}{100}$. Middle toe 1 $\frac{54}{100}$; its claw, $\frac{54}{100}$.

1466 Myiarchus crinitus (L.) Cab. ♂ ad. May 25. 1877. Wills Pond, Orange Co. N. Y. Iris hazel. Bill blackish olive. Legs & feet, dusky black. 8 $\frac{86}{100}$, 13 $\frac{50}{100}$, 4 $\frac{15}{100}$, 3 $\frac{72}{100}$. Bill, $\frac{77}{100}$. Occiput, 1 $\frac{1}{100}$. Tarsus, $\frac{85}{100}$. Middle toe, $\frac{50}{100}$. its claw $\frac{26}{100}$.

1467 Dendroica castanea (Wils.) Bd. ♀ ad. May 25. 1877. Orange Co. N. Y. Iris hazel. Bill & feet, dusky. 5 $\frac{60}{100}$, 8 $\frac{60}{100}$, 2 $\frac{75}{100}$, 2 $\frac{10}{100}$.

1468 Helminthus vermivorus (Gm.) Bp. ♀ ad. May 25. 1877. Orange Co. N. Y. Iris hazel. Bill brownish black at maxilla; mandible

mandible white. Legs, feet and claws flesh-color
5 50/100, 8 75/100, 2 85/100, 2 18/100, Bill 62/100, culmen 64/100.
Occiput, 70/100, Tarsus, 68/100. Middle toe, 56/100,
its claw 20/100.

1469 Helminthophila vermivora (Gm.) ♀ sp. Iad. May 25, 1877, Orange Co. N. Y. Colors like above - 1468 ♂. ♀
5 52/100, 8 50/100, 2 65/100, 2. Bill 56/100, Eggs largely developed - nearly ready to be laid. This bird and the above mail were paired and probably had a nest where they were shot.

1470 Dendroica striata (Forst.) Bd. ♂ ad. May 25, 1877, H. ♂ Iris brown. Bill with maxilla black, mandible, legs and feet yellow
5 38/100, 9, 2 83/100, 2 5/100.

1471 Otocoris (nov. arcticola (Gm.) (B) ♀ May 26, 1877. ad. Taken from nest containing 4 eggs (Set No. 80) (h. 40 meas. cat.)
(Set 1/4, with nest) Iris white Bill blue-black, white on edges, toward tip. Legs and feet blue.
5 28/100, 7 60/100, 2 30/100, 1 90/100, Bill, 42/100. gape
culmen 65/100. Tip of bill to eye, 65/100. Occiput, 84/100. Tarsus 70/100. Middle toe, 62/100; its claw 18/100. Hallux, 24/100.
Its claw, 21/100. - Squealed, scolded and fought fiercely when taken, as she was asleep in nest.

1472 Bonasa umbellus (L.) Steph. subsp. sabini May 30, 1877. Orange Co N. Y. (Mounted) Iris hazel

1473 Bonasa umbellus (L.) Steph. subsp. sabini. May 30, 1877. Orange Co N. Y. (Skin) Iris hazel.

1474 Vireo olivaceous (L.) V. ♀ ad. Taken from nest, with 3 eggs. May 30, 1877 H. ♀
Iris red. Bill blue-black, base of mandible white. Legs & feet blue. 5 100 9 75/100, 3 9/100 2 12/100,
Bill, 51/100. gape 74/100. Occiput, 59/100,
Tarsus, 20/100 Middle toe, 40/100; its claw, 19/100.

1475 Myiodioctes mitratus (L.) Aud. ♀ ad. May 31, 1877. H. ♀. Shot on nest containing 4 eggs.
5 70/100, 8 5/100, 2 55/100, 2 38/100.

1476 Dendroica pennsylvanica (L.) Bd. ♀ ad. Taken on nest containing 4 eggs, Color 6/4, (Nest)
June 4, 1877, H. ♀. Iris dark hazel. Bill black
-ish. Legs & feet bro- with black.
5 15/100, 7 70/100, 9 39/100, 1 28/100. Bill, 41/100. Tarsus 65/100.

1478 Bonasa umbellus (L.) Steph. subsp. umbellus ♂. June 18, 1877 H. ♀. Iris hazel. Bill brownish flesh-color
on maxilla; mandible pinky white.
Legs & feet pale grayish yellow.
6, 11, 3 7/100, Tail 78/100, exclusive of down.
Tip of bill to eye, 68/100. Culmen 63/100. Tarsus, 80/100.
Middle toe, 58/100, its claw, 14/100, Hallux and its
claw. 34/100 Stomach filled with seeds and gravel.

June 23rd 1877.

Several Eagles. - Haliaëtus ~~Aaaaaaaaa~~ leucocephalus have frequented Highland lake for some days. Mr Lockwood and myself saw two, a brown one, and one whose head & tail were becoming white, about July 19th. To-day several brown ones & the partly white headed one were seen, again.

I shot a fine adult Dendroëca discolor (V.) Bd. It flew aboard, familiarly alighting close beside me, and then flitting away to the bushes bordering the narrow field, on the farther side, to return immediately to the fence, by the road-side, all the while chirruping in an animated fashion.

The Coccothraustes purpureus is quite frequently seen, but no nests were found. Flocks of them were singing about the house to-day, both male & female.

Shot a pair Dendroëca virens ♂ ad. Near the Creek Mtg.

June 25th 1877

Saw a female Minotitta varia (Z.) U.S. that appeared to have just reared her family.

The Swallows continue to be very frequently seen perched upon the telegraph wires.

NO. 1477 Dendroica discolor (A.) Bd. Sad. June 23.1877. Orange County, N. Y. Iris dark hazel. Bill brownish black, light brown just at base of mandible. Tarsi and toes dark brown. $4\frac{88}{100}$, $7\frac{15}{100}$, $2\frac{19}{100}$, $1\frac{95}{100}$, Bill, $\frac{37}{100}$, Culmen, $\frac{50}{100}$, tip of bill to ey. $\frac{61}{100}$, Occiput, $\frac{75}{100}$. Tarsus, $\frac{67}{100}$. Middle toe $\frac{64}{100}$ its claw, $\frac{15}{100}$, Hallux, $\frac{18}{100}$, its claw $\frac{17}{100}$. Stomach filled with insects and seeds.

1478 Seothlypis latitas (Z.) Cab. Sad. June 21.1877 Orange Co. N.Y. Near Ft. Montgomery. Iris brown. Bill black, brownish at base of mandible. Legs and feet fleshy brown $5\frac{55}{100}$, $7\frac{48}{100}$, $2\frac{22}{100}$, $2\frac{4}{100}$, Bill $\frac{51}{100}$, culmen $\frac{63}{100}$, Tarsi $\frac{82}{100}$.

1481 Cyanospiza cyanea (L.) Bd. Sad. June 23.1877 Highland Lake, Rockland Co. N.Y.
$5\frac{63}{100}$, $8\frac{60}{100}$, $2\frac{65}{100}$, $2\frac{3}{100}$, Bill $\frac{40}{100}$; ~~Culmen~~ $\frac{46}{100}$, Occiput, $\frac{74}{100}$. Tarsus, $\frac{62}{100}$. Middle toe, $\frac{49}{100}$; its claw $\frac{17}{100}$.

July 11th 1877

The Hummingbirds were noted (Z.) having been quite frequently seen, lately.

Tail-coloration - Increasingly seen.

Vireo olivaceus - Seen yesterday

Tolerus [illegible]. Very plenty; frequent the hay-fields in families and small flocks.

Contrastomus vociferus - Rarely seen. Frequently heard singing the latter part of June

Vireo calidris - Frequently seen and heard since the first of June

NO. 1482 Sylvania virens (Z.) Bd. Sad. Apr. 26.1877 H.F. Iris dark reddish hazel; bill black. Tarsi and toes greenish lead-color. $8\frac{25}{100}$, $15\frac{30}{100}$, 5, $3\frac{6}{100}$. Tarsus $\frac{74}{100}$. 1st toe + claw, $\frac{37}{100}$; 2nd toe + claw, $\frac{63}{100}$; 3rd $\frac{85}{100}$; 4th $\&\ 3/100$. Second + third toes united for a distance of $\frac{17}{100}$ of an inch. Bill $\frac{23}{100}$ gape $\frac{15}{100}$.

1483 Cyanospiza cyanea (L.) Bd. Sad. Highland Lake, Rockland Co. N.Y. Iris with sides of mandible horn-color, blotched with purplish black; culmen of bill black. Legs + feet brownish black. Iris hazel. $5\frac{62}{100}$, $8\frac{70}{100}$, $2\frac{59}{100}$, $2\frac{7}{100}$. (June 21.1877)

1484 Dendroica virens (Gm.) Bd. Sad. June 23.1877. Poplopen Creek. Irides dark hazel; bill & feet black. $5\frac{27}{100}$, $7\frac{91}{100}$, $2\frac{44}{100}$, $1\frac{95}{100}$, Bill $\frac{41}{100}$. Tarsus, $\frac{67}{100}$.

1485 Setoria ruticilla (L.) Bd. June 21. 1877. Fort Montgomery N. Y. Iris brown. Bill black. Legs blue. $7\frac{75}{100}$, $10\frac{12}{100}$, $3\frac{13}{100}$, $2\frac{20}{100}$, Bill, $\frac{59}{100}$. Gape, $\frac{78}{100}$, Tarsus $1\frac{4}{100}$. Middle toe, $\frac{62}{100}$; its claw $\frac{24}{100}$.

1486 Turdus fallasi Cab. ♂ May 2 1877. H.F. Iris brown. Bill with maxilla black; mandible yellow at base - tip black. Legs & feet brown $7\frac{9}{100}$, $11\frac{30}{100}$, $3\frac{50}{100}$, $2\frac{63}{100}$. (Moulting; just feathering)

1487 Agelaeus phoeniceus (L.) N. ♂ ad. June 23.1877 Iona Island. Hudson River, N.Y. Iris dark brown. Bill and feet, black. $9\frac{60}{100}$, $15\frac{12}{100}$, $4\frac{7}{100}$, $3\frac{75}{100}$, Bill, $\frac{95}{100}$; Gape, $1\frac{2}{100}$, Occiput, $1\frac{2}{100}$. Tarsus, $1\frac{12}{100}$. Middle toe, $\frac{70}{100}$; its claw, $\frac{34}{100}$.

1488 Zonotrichia albicollis (Gm.) Bp. ♂ ad. Apr. 2.1877. H.F. Iris brown; Bill dusky; legs & feet light brown. $6\frac{83}{100}$, $9\frac{65}{100}$, $2\frac{90}{100}$, $2\frac{72}{100}$.

1489 Seiurus ludovicianus (L.) Bp. ♂ ad Apr. 30.1877 H.F. Iris dark hazel. Bill brownish black. Legs & feet flesh-color $6\frac{30}{100}$, $10\frac{50}{100}$, $3\frac{28}{100}$, $2\frac{9}{100}$.

July 23d 1877

Yesterday I walked in the woods and among the birds I saw were some young Chestnut sided Warbler (D. pennsylvanica). They were fully plumaged, in their first dress, and that somewhat shy at first, finally came close up to me and turning their heads, looked curiously at me, in a sideling fashion. They constantly uttered a low squeaking sound, and were accompanied by their parents.

To day I learned from Mr Jaques that the Dendroica discolor which was shot by me, near his house, was the male parent of a brood of young that had been hatched in a nest in an apple tree, close by the road where I also shot the mother, but tho' I plainly saw the bird fall, I could not find it. The young were fully fledged at the time, and flew from the nest when he visited it. He described the nest as quite bulky and lined with fine white cottony material, very handsomely felted.

July 24th 1877

Yesterday I visited the house of Mr Jaques to look at a collection of mounted birds that a relative of his had got mounted at Bridgeport Conn. They were obtained by him on board a steamer sailing through Long Island Sound. They having been killed by flying against the vessel's lights. Sixty-four birds were picked up dead on the vessel, next morning, of very many different sorts. The air was filled with them. The birds in the case were:—

Parula americana C. B. ♂ ♀
Dendroica caerulescens C. Bd. ♂ ♀

Dendroica maculosa Gmel Bd. ♂.
Seiurus aurocapillus C. Sw
Seothlypis trichas C. Cab. ♂.

——— As I walked down the road last night four Night Herons flew in a line Southward uttering loud quacks.

The Vireo flavifrons, V. gilvus, V. flavifrons and V. noveboracensis are all present, here.

Otocoris rociferus Chil. Bp.-sings

No. 1490 Dromiaphea ludoviciana C. Bonaparte ♂ juv. July 28. 1877. No. 3. Iris brown. Bill dark brown on maxilla; mandible horn-color, tipped with dusky. Tarsi and toes, lead-color. 8 5/100, 12 65/100, 4, 3, Bill, 65/100, Tarsus, 73/100 Occiput 1 2/100, Tarsus, 90/100 Middle toe, 67/100 its claw. 28/100. Uttered its usual rasping single note.

On this specimen the rose on the throat is just apparent, but under the wings it is quite strongly marked.

1491 Nyctiardea nævia (Bodd.) Allen ♂ juv. Aug 27. 1877. Herony, Constitution Id. Hudson River, N.J. Irides bright straw yellow with no shade of red. Legs & feet green with yellow.

August 27.

To day visited Constitution Id. and the adjacent meadows and those, in Company with H. H. Seelye. We found the following birds:—

Turdus migratorius L.
——— mustelinus. I found these and the above species roosting in the Herony at dusk. — (Skipped to page 372)

NO. 1492 Melanerpes erythrocephalus Sw. ♂ juvenis
Sep 25. 1877. H.F. Iris dark hazel
Bill & feet greenish lead-color
$9\frac{90}{100}$, $17\frac{70}{100}$, $5\frac{36}{100}$, $3\frac{25}{100}$. Bill, $1\frac{2}{100}$, gape, $1\frac{27}{100}$, Occiput, $1\frac{16}{100}$. Tarsus, $\frac{90}{100}$.

1493 Melanerpes erythrocephalus Sw. ♀ juvenis
Sep 25, 1877. H.F. Iris dark hazel.
Bill & feet greenish lead-color.
$9\frac{36}{100}$, $17\frac{25}{100}$, $5\frac{10}{100}$, $3\frac{22}{100}$.

Sep 24. 1877.

Porzana carolina
Turdus swainsoni Cab.
Telmatodytes palustris
Dendroica caerulescens
Dendroica maculosa
Pyranga rubra
Chaetura pelasgia
Carpodacus purpureus
Melospiza palustris
Melanerpes erythrophthalmus Sw. Abundant

NO. 1494 Dendroica palmarum ♀ Oct. 12. 1877
H.F. Bill brownish black, with base of mandible horn-color. Tarsi & toes brownish black, with posterior edge of tarsi & soles of feet, yellow. Iris hazel
$5\frac{24}{100}$, $7\frac{88}{100}$, $2\frac{52}{100}$, $2\frac{20}{100}$ Bill $\frac{40}{100}$ gape, $\frac{56}{100}$
Tarsus, $\frac{76}{100}$.

1495 Ammodromus caudacutus ♀??
October 12. 1877. Consook Id. Hudson River N.Y. Irides dark hazel. Sides of maxilla & mandible bluish horn-color; residue of bill & maxilla, blackish. Legs & feet flesh color, with a strong tinge of lead-color. Claws long, slender & acute.
$5\frac{50}{100}$, $7\frac{50}{100}$, $2\frac{29}{100}$, 2. Bill $\frac{46}{100}$ gape $\frac{54}{100}$.
Tarsus, $\frac{88}{100}$, Middle toe & claw, [illegible] $\frac{75}{100}$

NO. 1496 Occipitur fuscus ♂ ad. Oct. 11. 1877. H.F.
Iris yellow. Cere gamboge. Bill blue black. Tarsi & toes, yellow. Claws blue-black.
$11\frac{55}{100}$, 22, $6\frac{57}{100}$, $5\frac{48}{100}$. Bill (gape), $\frac{65}{100}$,
Occiput (measured from base of cere) $1\frac{29}{100}$.
Tarsus, $1\frac{96}{100}$, Middle toe without claw, $1\frac{19}{100}$.

1497 Dendroica palmarum ♀ Oct. 13, 1877
Popoplen Creek, Rockland Co. N.Y. Iris hazel. Bill brownish black, lighter below, yellow at base of mandible. Legs & feet brownish black; soles of feet yellow
$5\frac{62}{100}$, $8\frac{63}{100}$, $2\frac{76}{100}$, $2\frac{25}{100}$ Bill, $\frac{42}{100}$, Tarsus $\frac{79}{100}$

1498 Turdus pallasi Cab. ♂ (ad?) Oct. 13, 1877
Bear Hill. N.Y. (Rockland Co.) Bill blackish, flesh-color at base of mandible. Tarsi & toes flesh-color. Iris hazel.
$7\frac{13}{100}$, $11\frac{38}{100}$, $3\frac{54}{100}$, $2\frac{68}{100}$, Bill, $\frac{56}{100}$, Tarsus, $1\frac{28}{100}$

1499 Oedemia americana (Wils.) Sw. ♀ ad.
Oct. 23. 1877. Cornwall Hudson River N.Y.
Iris dark hazel

1500 Oedemia fusca (L.) Sw. ♀ ad. Oct 23 1877
Hudson River at Cornwall. Iris dark hazel, with a narrow white edge

1501 Oedemia fusca (L.) Sw ♂ ad. Oct. 26.
Hudson River at Cornwall. Iris white
Bill red, orange, ivory & black. Tarsi & toes purplish red exteriorly. Inside orange-red. Tops of toes, feet & tarsus dusky — webs black

Measurement omitted on page 375

1502 Oedemia fusca (L.) Sw. ♀ ad. Oct 26
1877 Hudson River at Cornwall
Iris dark hazel. Bill black. Tarsi & toes dark, dusky, purplish red.
21, $37\frac{50}{100}$, $10\frac{6}{100}$, $3\frac{44}{100}$. Bill $1\frac{55}{100}$
(Measured from frontal feathers) gape $2\frac{65}{100}$
Bill to nostril $1\frac{10}{100}$ — to eye, 3 — from base of bill to occiput $2\frac{85}{100}$
Tarsus $1\frac{50}{100}$, Middle toe $2\frac{85}{100}$, nail $\frac{42}{100}$

Harporhynchus rufus (L) Cat.
Mimus carolinensis (L) Gr.
Helmatodytes palustris (Wils) Cat.
Geothlypis trichas (L) Cat.
Hirundo horreorum Barton
Petrochelidon lunifrons (Say) Cat. All
Cotyle riparia (L) Boie - All three species of Swallows were abundant on the Telegraph-wires
Ampelis cedorum (V.) Bd.
Vireo olivaceus (L) V.
Carpodacus purpureus (Gm) Gr.
Chrysomitris tristis (L) Bp. Very abundant; feeding on the meadows.
Pooecetes gramineus (Gm) Bd.
Melospiza palustris (Wils) Bd
M— melodia (Wils) Bd.
Spizella socialis (Wils) Bp
S— pusilla (Wils) Bp.
Cyanospiza cyanea (L) Bd. The young and old birds were feeding in flocks among the reeds, and weeds.
Dolichonyx oryzivorus (L) Sw. Abundant, flying high up in small restless flocks, uttering their high key-note
Melospiza melodia (Wils) Bd. The young bob-tailed fellows, fly very singularly, as I have always noticed, about this time of year, fluttering heavily just above the grass.
Agelaeus phoeniceus (L) V.
Corvus americanus And.
Tyrannus carolinensis (L) Bd.
Contopus virens (L) Cat.
Trochilus colubris L
Ceryle alcyon (L) Boie
Picus pubescens L.

Scops asio (L) Bp.
Haliaetus leucocephalus (L) Sanguy.
Ardea herodias L.
A— virescens L. Several on the flats
Nycticorax naevia (Bodd) Allen - A flag-man told us that on the evening of the 21st (August) nearly all of the Night Herons congregated, and arranged themselves for their southward flight, high up in the air, when they all took their final departure, croaking loudly.

We found at least six herons still in the Jerrory, but, possibly, they were young, weak birds; not strong enough for their long flight, possibly a late brood, the first nest having been disturbed.

We could not tell whether the six birds we saw were young, or adults, but the one we shot was young.

I also saw an adult bird, that flew from a tree on the east bank of the meadows.

The birds sat very closely in the trees.

October 23. 1877

Turdus pallasi Cat. Very abundant. Their only note is a loud chuck like that of the blackbirds, but, at times, when gathering food near the ground this note is scarcely audible
Turdus migratorius L. Migrating - large flocks moving in the evening
Sialia sialis (L) Haldeman
Regulus calendula (L) Licht
Regulus satrapa Licht.

Parus atricapillus L.
Dendroica coronata (L.) Gr.
Ampelis cedorum (V.) Gr.
Chrysomytris tristis (L.) Bp.
Spizella socialis (Wils.) Bp.
Melospiza melodia (Wils.) Bd.
Junco hyemalis (L.) Scl.
Corvus americanus Aud. Saw a large flock going to roost on a mountain near Cornwall.
Cyanurus cristatus L. Sw.
Bonasa umbellus (L.) Steph.
Accipitur fuscus (Gm.) Gr.
Buteo borealis (Gm.) V.
Larus argentatus Brunn.

I saw the following species of Ducks at Josh Wards
Fuligula marila (L.) Steph.
Fuligula americana (Eyt.) Cowes. Moulting
Oedemia fusca var velvetina
Oedemia americana Sw.
Oedemia perspicillata (L.) Fleming
~~Harelda~~ glacialis (L.) Leach.

Most of the above birds were moulting. In the Harelda glacialis, the black parts of the old drakes were mottled still with white, and the backs of some of the females were a beautiful brown.

Mr. Ward shot a "plover" this autumn at Cornwall. He also saw a large flock of Snow Geese, and shot the Rallus (elegans?) Aud.

No. 1501 (From page 371) $22\frac{40}{100}$, $37\frac{90}{100}$, $10\frac{90}{100}$, $3\frac{40}{100}$ Bill from frontal feathers, $1\frac{74}{100}$, gape, $2\frac{78}{100}$ Bill to nostril, $1\frac{22}{100}$ - to eye, $3\frac{30}{100}$. Occiput from base of bill $3\frac{12}{100}$. Tarsus, $1\frac{89}{100}$. Middle toe $3\frac{12}{100}$; its claw, $\frac{47}{100}$.

1503 Oedemia fusca (L.) Sw ♂ ad. Oct. 27, 1877 Hudson River at Cornwall - Irides white

1504 Turdus pallasi Cab. ♂ juvenis H. F. Oct. 27. 1877.

1505 Mergus serrator Linné. ♂ juv. November 3. 1877. Hudson River at Cornwall. Iris carmine. Bill purplish dark brown on ridge of maxilla; edges of maxilla & mandible, orange-carmine; tip of mandible, horn-color. Tarsi & toes orange-carmine
$22\frac{80}{100}$, $33\frac{25}{100}$, 9, $3\frac{45}{100}$. Bill above, $2\frac{22}{100}$, Gape, $2\frac{80}{100}$. Tip of bill to eye, $2\frac{92}{100}$. Occiput from frontal feathers, $2\frac{14}{100}$.

1506 Mergus serrator Linné. ♀ November 3. 1877. Hudson River at Cornwall. Irides orange. Colors of parts the same as above, nearly. $22\frac{50}{100}$, 33, $8\frac{80}{100}$, $3\frac{25}{100}$. Bill above, $2\frac{27}{100}$. Gape, $2\frac{86}{100}$. Occiput from frontal feathers, $2\frac{7}{100}$.

The curious enlargement of the windpipe of the throat seems to be absent in the female. The stomach contained lumps of hard clay & some stones.

Spizella monticola (Gm.) Bd. First seen November 7. 1877.

November 8 1877 The following birds are still here: Zonotrichia albicollis, Colaptes auratus, Carpodacus purpureus (singing), Dendroica coronata & Chrysomitris tristis.

November 9. 1877. Some of the birds seen are: Dendroeca coronata. Passerella iliaca. Colaptes auratus & Ampelis cedorum, also Carpodacus purpureus

November 10. 1877

Turdus migratorius & Carpodacus purpureus

Rara avis!!! When in New York, on Nov. 6, I saw in Madison Square, a small bird about the size & color of Dendroeca aestiva, but differing from that bird in having a suffusion of red over the forehead & ~~occiput~~ crown. It was hopping over the grass in company with the Passer domesticus. I stood quite close to it, for it seemed quite gentle. The red-color on the head seemed to be of the same shade as that on the head of Pyranga ludovicianus.

No. 1507 Passerella iliaca (Merrem) Sw ♀ Nov. 9. 1877. H. F. N. Y. - Iris dark hazel. Basal half of mandible & sides of maxilla at base, yellow; residue of bill brownish. Tarsi & & toes purplish fleshy brown; claws horn-color. 7, 10 80/100, 3 41/100, 2 66/100. Bill 52/100, gape, 60/100. Occiput (from base of bill) 96/100. Tarsus, 97/100. Middle toe, 62/100; its claw, 30/100, Hallux, 32/100; its claw 40/100,

1508 Sialia sialis (L.) Haldeman ♂ ad. Nov. 9. 1877. H. F. N. Y. - Iris dark hazel. Bill entirely black. Tarsi & toes black; soles of feet yellow 7, 12 60/100, 4 10/100, 2 68/100.

I saw a flock (nineteen) of Geese (Branta Canadensis), flying noisily South in their singular Narrow-shaped form. - 1

No. 1509 Dendroeca coronata (L.) Gr. ♀ Nov. 15. 1877. Constitution Id. Huds. Riv. N. Y. Iris dark hazel Bill blackish. Tarsi & toes black. 5 50/100, 8 75/100, 2 78/100, 2 12/100, Bill, 37/100, gape, 55/100. Occiput, 79/100, Tarsus, 74/100. Crop full of cedar-berries.

November 17. 1877.

Turdus migratorius L. Abundant on Constitution Id.
Sialia sialis (L.) Haldeman. - Very abundant, feeding in large flocks on the cedar-berries, chasing each other with a sharp, rapid twitter, almost reminding one of the Kingfisher's rattle.
Regulus satrapa Licht - Abundant
Certhia familiaris L. Abundant
Parus atricapillus L. Abundant
Anorthura hyemalis (Wils) Cs. One seen
Dendroeca coronata (L.) Gr. Abundant.
Ampelis cedorum (V.) Bd.
Carpodacus purpureus (Gm.) Gr. Females abundant, feeding in flocks on the seeds of the iron-wood tree
Chrysomitris tristis (L.) Bp. Abundant.
Melospiza melodia (Wils) Bd One seen
Junco hyemalis (L.) Scl.
Spizella monticola (Gm.) Bd.
Passerella iliaca (Merrem) Sw. Abundant on Constitution Id, uttering a low tweet, like that of the Zonotrichia, in the cedars.
Passer domesticus Lin. Feeding at the edge of the marsh.
Agelaeus phoeniceus (L.) V. One female
Corvus americanus And
Cyanurus cristatus (L.) Sw
Picus pubescens L.
Falco communis Varorum. One shot at and chased for some time.

Buteo borealis (Gm.) V. A pair chased from pole to pole of the meadow hay stacks. They sit on one foot, alighting on the poles with a graceful curve, going almost to the ground & then swooping up.

Bonasa umbellus (L.) Sept.
Bucephala clangula (L.) Dr.
Larus argentatus (L.) Brunn.

No. 1510 Regulus satrapa Licht. ♂ ad. Nov. 17, 1877. Constitution Id. Hud's. Riv. N.Y. Iris dark. Bill black, Tars & toes yellowish brown. $4\frac{24}{100}$, $6\frac{92}{100}$, $2\frac{20}{100}$, $1\frac{79}{100}$.

1511 Regulus satrapa Licht. ♀ Nov. 17, 1877. Constitution Id. Hud's. Riv. N.Y. Iris dark. Bill black $4\frac{11}{100}$, $6\frac{56}{100}$, $2\frac{16}{100}$, $1\frac{70}{100}$.

1512 Certhia familiaris L. ♂ ad. Iris dark. Bill with maxilla & tip of mandible, black; residue of mandible flesh-color. Tarsi & toes, brownish flesh-color. $5\frac{62}{100}$, $8\frac{3}{100}$, $2\frac{56}{100}$, $2\frac{54}{100}$. Bill, $\frac{59}{100}$. gape, $\frac{75}{100}$. Occiput, $\frac{65}{100}$. Tarsus, $\frac{54}{100}$. Nov. 17, 1877. Putnam Co. N.Y.

1513 Passerella iliaca (Merrem) Sw. ♂. Nov. 17, 1877. Constitution Id. Hud's. Riv. N.Y. Iris dark hazel. Bill dusky brown or maxilla & tip of mandible, residue of bill orange. Tarsi and toes flesh-color. $7\frac{52}{100}$, $11\frac{39}{100}$, $3\frac{54}{100}$, $2\frac{92}{100}$. Bill, $\frac{57}{100}$. Gape, $\frac{69}{100}$. Occiput 1. Tarsus $1\frac{3}{100}$. Middle toe, $\frac{65}{100}$; its claw, $\frac{31}{100}$. Hallux $\frac{35}{100}$; its claw, $\frac{35}{100}$. (Feeding on the cedars.)

1514 Passer domesticus Linn. ♀. Nov. 17, 1877. Constitution Id. Hud's. Riv. N.Y. Iris dark hazel. Bill orange on sides of maxilla, at base, & all of mandible except tip, residue of bill, dusky. Tarsi & toes olive-brown. $6\frac{50}{100}$, $9\frac{75}{100}$, $3\frac{2}{100}$, $2\frac{35}{100}$. Bill, $\frac{48}{100}$. gape, $\frac{57}{100}$. Occiput, $\frac{86}{100}$. Tarsus, $\frac{73}{100}$.

No. 1515 Larus Philadelphia (Ord.) Bray. ♂ ad. Nov. 17, 1877 Hudson River at Cornwall. Iris white. Legs & feet light red. Bill black, orange-red just at base of mandible. $14\frac{70}{100}$, 33, $10\frac{3}{100}$, $4\frac{2}{100}$. Bill, $1\frac{27}{100}$. Gape, $1\frac{92}{100}$. Occiput, $1\frac{77}{100}$. Tarsus, $1\frac{30}{100}$. Mid. toe & claw, $1\frac{44}{100}$.

Nov. 21, 1877.

Dendroica coronata (L.) Br.

1516 Larus Philadelphia (Ord.) Bray. ♂ ad. Nov. 17, 1877. Hudson River at Cornwall. Iris white. Legs & feet light red. Bill black, orange-red just at base of mandible. $14\frac{57}{100}$, $33\frac{65}{100}$, $10\frac{32}{100}$, $4\frac{8}{100}$. Bill, $1\frac{17}{100}$. Gape $\frac{85}{100}$. Occiput $1\frac{77}{100}$. Tarsus, $1\frac{34}{100}$. Middle toe and claw, $1\frac{44}{100}$. Hallux, $\frac{18}{100}$; its claw, $\frac{12}{100}$. Very fat.

Nov. 22, 1877. Dendroica coronata (L.) Br.

Nov. 24, 1877.

Turdus migratorius L. (Constitution Id.)
Regulus satrapa Licht.
Parus atricapillus L.
Sitta Carolinensis Gm.
Certhia familiaris L.
Anorthura hyemalis (Vieil.) Ed. (Scarce on Id.)
Dendroica coronata (L.) Br. (Quite abundant)
Ampelis cedorum (V.) Vot. (In large flocks)
Calpodacus purpureus (Gm.) Br. Feeding upon the iron wood seeds on Constitution Id.
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Wils.) Bd.
Junco hyemalis (L.) Scl.
Passerella iliaca (Merrem) Sw. (Constitution Id.)
Sayiella montícola (Gm.) Bd. & Corvus americanus
Picus pubescens L. and Bonasa umbellus
Haliaëtus leucocephalus (L.) Savigny
Larus argentatus (L.) Brunn. & Mergus serrator.

The Summer Birds
Of the Adirondacks in Franklin County, N.Y.

By Theodore Roosevelt, Jr., and H. D. Minot.

The following catalogue (written in the mountains) is based upon observations made in August, 1874, & August 1875, and June 22d to July 9th 1877, especially about the Saint Regis Lakes, Mr. Minot having been with me only during the last week of June. Each of us has used his initials in making a statement which the other has not verified.

Theodore Roosevelt, Jr.

The general features of the Adirondacks, in those parts which we have examined, are the many lakes, the absence of mountain-brooks, the luxuriant forest-growth (the taller deciduous trees often reaching the height of a hundred feet, and the White Pines often even that of a hundred and thirty), the sandy soil, the cool, invigorating air, and both a decided wildness and lowness of country as compared with the diversity of the White Mountain region.

The avifauna is not so rich as that of the latter country, because wanting in certain "Alleghanian" birds found there, and also in species belonging especially to the Eastern or North-eastern Canadian fauna. Nests, moreover, seem to be more commonly inaccessible, and rarely built beside roads or wood-paths, as they often are in the White Mountains

H.D.M.

1. Robin. Turdus migratorius (Linnæus). Moderately common. Sometimes found in the woods.
2. Hermit Thrush. Turdus Pallasii (Cabanis). Common. Sings until the middle of August (R.).
3. Swainson's Thrush. Turdus Swainsoni (Cabanis). The commonest Thrush.
4. Cat-bird. Mimus Carolinensis (Linnæus). Observed beyond the mountains to the northward, near Malone.
5. Blue Bird. Sialia sialis (Linnæus), Common near Malone.
6. Golden-crowned "Wren". Regulus satrapa (Lichtenstein). Quite common; often heard singing in June.
7. Chickadee. Parus atricapillus (Linnæus). Rather scarce in June. Abundant in August (R.).
8. Hudsonian Chickadee. Parus Hudsonicus (Forster). Found in small flocks at Bay Pond in the early part of August (R.).
9. Red-bellied Nuthatch. Sitta Canadensis (Linnæus). Common. The White-bellied Nuthatch was not observed here by us.
10. Brown Creeper. Certhia familiaris (Linnæus). Common
11. Winter Wren. Troglodytes hyemalis (Vieillot). Moderately common.
12. Blue Yellow-backed Warbler. Parula Americana (Linnæus). Very common. The Black and White Creeper we have not seen here.
13. Nashville Warbler. Helminthophaga rufi capilla (Wilson). Not common.
14. ? Tennessee Warbler. Helminthophaga peregrina (Wilson).
15. Yellow Warbler. Dendroica æstiva (Gmelin). Common near Malone.
16. Black-throated Green Warbler. Dendroica virens (Gmelin). Common.

17. Black-throated Blue Warbler. Dendrōeca cāerulescens (Linnaeus). Common.
18. Orange-throated Warbler. Dendrōeca Blackburniae. (Gmelin). Common. Its song has several rather misleading variations.
19. Yellow-rumped Warbler. Dendrōeca coronata (Linnaeus). Common in August (R.). Summer-resident in the White Mountains (M.).
20. Black and Yellow Warbler. Dendrōeca maculosa (Gmelin). Not common.

The following other Dendrōecae are summer-residents in the White Mountains: Prairie Warbler, accidental; the Chestnut-sided, Bay-breasted, Black-polled, and Pine Warblers, all rare (M.).

21. Golden-crowned Thrush. Sinrus auricapillus (Linnaeus). Quite common.
22. Water Thrush. Sinrus naevius (Boddaert). Rare summer resident (R.).
23. Maryland "Yellow Throat." Geothlypis trichas (Linnaeus). Hardly common. Very common in the White Mountains (M.).
24. Mourning Warbler. Geothlypis Philadelphica (Wilson). Locally not uncommon.
25. Canada "Flycatcher." Myiodioctes Canadensis (Linnaeus). Less common than in the White Mountains, where ~~even~~ the Redstart also is found, even at Bethlehem (M.).
26. Scarlet Tanager. Pyranga rubra (Linnaeus). Two pairs found in June near the Upper Saint Regis Lake.
27. Barn Swallow. Hirundo horreorum (Barton).
28. Cliff Swallow. Petrochelidon lunifrons (Say). Seen near Malone.
29. White-breasted Swallow. Tachyinetes bicolor (Vieillot). Common, and met with far from any buildings.

30. Bank Swallow. Cotyle riparia (Linnaeus). Rather rare.
31. Purple Martin. Progne subis (Linnaeus). One seen at Malone.
32. Cedar Bird. Ampelis cedrorum (Vieillot). Common.
33. ~~Red~~-eyed Vireo. Vireo olivaceous (L.). Very common.
34. Solitary Vireo. Vireo solitarius (Wilson). Very common. The Warbling Vireo has not been observed by us.
35. Purple Finch. Carpodacus purpureus (Gmelin). Common.
36. Red Crossbill. Loxia curvirostra (Linnaeus). Not rare. The male often sings somewhat like ~~the~~ a Purple Finch from the top of a tall dead tree. The White-winged Crossbills we have not seen here.
37. Goldfinch. Chrysomitris tristis (Linnaeus). Common. Less so than in the White Mountains (M.).
38. Siskin. Chrysomitris pinus (Wilson). One specimen got, August 27th, 1874 (R.). Probably breeds.
39. Savannah Sparrow. Passerculus savanna (Wilson). Apparently rare.
40. Bay-winged Sparrow. Poaecetes gramineus (Gmelin). Common.
41. Song Sparrow. Melospiza melodia (Wilson). Common. Much less so than in the White Mountains (M.).
42. Swamp Sparrow. Melospiza palustris (Wilson). Two or three were found in the wet ground, covered with very low shrubs, which borders the stream connecting Upper Saint Regis and Spitfire Lakes. Perhaps not found in the White Mountains (M.).
43. Chipping Sparrow. Spizella socialis (Wilson).
44. ? Field Sparrow. Spizella pusilla (Wilson).
45. White-throated Sparrow. Zonotrichia albicollis (Gmelin). Common.

46. Snow-bird. Junco hyemalis (Linnæus). Common less so than in the White Mountains, at least than in the northern and western parts, where the Canadian fauna is most marked (M). This opportunity is taken for mentioning that the Rose-breasted Grosbeak, Goniaphea ludoviciana (Linnæus), was seen in July, 1875, on Mount Mansfield, Vt, and in July, 1877, in Essex County, New York (R.).

47. Bobolink. Dolichonyx oryzivorus (Linnæus). Several seen, August, 1874 (R).

48. Cow-bird. Molothrus ater (Boddaert). Rare.

49. Red-winged Blackbird. Agelæus phœniceus (Linnæus). By no means abundant.

50. Rusty Blackbird. Scolecophagus ferrugineus (Gmelin). Two or three seen in June (M).

51. Crow Blackbird. Quiscalus purpureus (Bartr) var æneus (Bd.). Neither rare nor common. The Baltimore Oriole is not seen here.

52. Raven. Corvus corax (Linnæus). A pair were observed at Lake Ramsby, Jr., August, 1874 1874 (R.).

53. Crow. Corvus Americanus (Audubon). Comparatively uncommon.

54. Canada Jay. Perisoreus Canadensis (Linnæus). Locally common in the thicker woods.

55. Blue Jay. Cyanurus cristatus (Linnæus). Moderately common.

56. King-bird. Tyrannus Carolinensis (Linnæus). Common.

57. Great Crested Flycatcher. Myiarchus crinitus (Linnæus). Very rare.

58. Pewee. Sayornis fuscus (Gmelin).

59. Wood Pewee. Contopus virens (Linnæus).

60. Olive-sided Flycatcher. Contopus borealis (Richardson). Not uncommon.

61. ~~Traill's~~ Flycatcher. Empidonax Traillii (Audubon). ~~Rare~~

62. Least Flycatcher. Empidonax minimus (Baird). Strikingly common, and much in tree-tops.

64. Night-~~Hawk~~ Hawk." Chordeiles Virginianus (Gmelin).

65. Whip-poor-will. Antrostomus vociferus (Wilson). One heard early in July (R.).

66. Chimney Swift. Chætura pelagica (Linnæus). Common, and often met with in the woods.

67. Hummingbird. Trochilus colubris (Linnæus). Rare; lives in the woods.

68. Kingfisher. Ceryle alcyon (Linnæus).

69. Cuckoo. Coccyzus [Erythrophthalmus (Wilson)?]. Twice heard.

70. Pileated Woodpecker. Hylotomus pileatus. Rare; but found in the backwoods (R).

71. Hairy Woodpecker. Picus villosus (Linnæus). Very common; with a great variety of notes, some of which are indistinguishable from those of the Picoides.

72. Downy Woodpecker. Picus pubescens (Linnæus). Once seen in June, and common in August (R).

73. Black-backed Woodpecker. Picoides arcticus (Swainson). Common; second in numbers to the Hairy only.

74. Banded-backed Woodpecker. Picoides Americanus (Brehm). Much less common than the preceding.

75. Yellow-bellied Woodpecker. Sphyrapicus varius (Linnæus). Quite common.

76. ~~Golden-winged Woodpecker~~ Colaptes auratus (Linnæus).

77. Barred Owl. Syrnium nebulosum (Forster). One shot in August, 1875 (R.). Probably not very rare.

78. Great Horned Owl: Bubo Virginianus (Gmelin). Common in wild parts (R). There are doubtless other kinds of Owls here as summer residents.

79. Goshawk. Astur atricapillus (Wilson). Found in June.

80. Cooper's Hawk. ~~Accip.~~ Nisus Cooperi (Bonaparte).
81. Sharp-shinned Hawk. Nisus fuscus (Gmelin).
The Sparrow Hawk and the Red-shouldered Buzzard we have not seen here.
82. Red-tailed ~~Brown~~ Hawk Buteo borealis (Gmelin).
83. Broad-winged Buzzard. Buteo Pennsylvanicus (Wilson). One shot August 24th, 1874 (R.).
84. Bald Eagle. Haliäetus leucocephalus (Cuvier). Rare, but seen at least once (R.). The Golden Eagle probably occurs here.
85. Fish Hawk. Pandion Haliäetus (Cuvier), Rare, but certainly breeds here (R.).
86. Wild Pigeon. Ectopistes migratorius (Cuvier) Undoubtedly to be found here at times.
87. Canada Grouse. Tetrao Canadensis (Cuvier), In some parts quite plentiful (R.).
88. Ruffed Grouse Bonasa umbellus (Cuvier) Not uncommon (R.).
89. Woodcock. Philohela minor (Gmelin). In July, one was shot at Paul Smith's; none of the inhabitants knew what it was, or had ever seen another (R.).
90. Spotted Sandpiper. Tringoides macularius (L.).
91. Great Blue Heron. Ardea Herodias (Cuvier). Rare.
92. Bittern. Botaurus mugitans (Bartram). Occasional (R.).
93. Black Duck. Anas obscurus (Gmelin). Breeds (R.).
94. Wood Duck. Aix Sponsa (Cuvier). Breeds (R.).
95. Merganser, Mergus [serrator (Cuvier)?] Breeds (R.).
96. Loon. Colymbus torquatus (Brünnich). Rare, but in 1870 common (R.). Grebes have been seen in August; species uncertain (R.).
97. Herring Gull. Larus argentatus (Brünnich). Rare. Breeds (R.).

November 26th 1877.

Nov. 26 — The Dendroica coronata (L.) Sw. is still abundant, flying about with a loud chip, and feeding on the berries of red-cedar, Ampelis cedrorum (V.). In large flocks Chrysomitris, tristis (L.) Bp. in flocks Carpodacus purpureus flying about restlessly uttering its high key-note. Melospiza melodia (Wils.) Bd. — O. C.

Nov. 27. Dendroica coronata (L.) Sw. still abundant.

NO. 1517. Dendroica coronata (L.) Sw. ♂ ad. Nov. 24. 1877. Constitution Id. Hudson Riv. N.J. Iris dark hazel. Bill & feet, black — 5 68/100, 9 18/100, 2 93/100, 2 22/100. Bill 57/100, gape, 50/100. Occiput, 70/100, Tarsus 69/100.

1518. Regulus Satrapa Licht. ♀ Nov. 24. 1877. Constitution Id., Huds. Riv., N.J. Irides dark. Bill black. Tarsi & toes yellowish brown. 4 21/100, 6 63/100, 2 19/100, 1 70/100

1519. Regulus Satrapa Licht. ♀ Nov. 24, 1877. Constitution Id., Huds. Riv. N.J. Colors of parts same as 1518 — 4 18/100, 6 60/100, 2 12/100, 2 63/100.

1520 Spizella monticola (Gm.) Bd. ♀ Nov. 24, 1877. Constitution Id., Huds. Riv., N.J. Iris brown. Bill orange yellow on mandible & just at base of maxilla, or ridge; remainder of maxilla, blackish. Tarsi deep brown; toes blackish brown. 6 58/100, 9 65/100, 3 10/100, 2 80/100. Bill, 41/100; gape, 49/100. Occiput 52/100, Tarsus 53/100. middle toe, 58/100; its claw, 24/100.

1521 Spizella monticola (Gm.) Bd. ♀ Nov. 24, 1877. Constitution Id, Hudson Riv., N.J. Iris brown. Colors of bill and feet first like number 1520. 6 25/100, 9 10/100, 2 75/100, 2 71/100.

Nov. 28, 1877

Dendrōeca coronata (L.) Gr. Abundant, roving about restlessly, in small bands.
Passerella iliaca (Merrem) Sw. A flock was seen among the cears, near the river, hopping about searching for food
Carpodacus perpureus. Females are very numerous, feeding upon the iron-wood seeds.
Turdus migratorius L.

December 2nd, 1877. (Sunday)
Dendrōeca coronata (L.) Gr. Quite numerous
Passerella iliaca (Merrem) Sw. A flock seen in the cedars. One was feeding with a large flock of Purple Finches upon the seeds of the iron-wood.

December 6, 1877. I saw the Passerella iliaca (Merrem) Sw in the cedar-woods by the river.
Turdus migratorius L. & Dendrōeca coronata (L.) Gr.

December 7, 1877. Dendrōeca coronata (L.) Gr. Still abundant.

No 1522 Ampelis cedorum (Guill.) ~~(Linné)~~ ~~Sclater~~ Bd. ♀ad. Dec 7, 1877.
H. F. Iris reddish. Bill and feet black.
$7\frac{27}{100}$, $11\frac{75}{100}$, $3\frac{68}{100}$, $2\frac{50}{100}$.

1523 Carpodacus perpureus (Gmelin) Gr. ♀ Dec. 7, 1877.
H. F. Irides hazel; bill dusky above, horn-color on mandible; legs and feet deep brown.
$6\frac{13}{100}$, $10\frac{12}{100}$, $3\frac{23}{100}$, $2\frac{24}{100}$.

1524 Carpodacus perpureus (Gmelin) Gray. ♀ Dec. 7, 1877.
H. F. Irides hazel; bill dusky above, horn-color on mandible; legs and feet deep brown.
$6\frac{25}{100}$, $10\frac{30}{100}$, $3\frac{31}{100}$, $2\frac{25}{100}$.

December 8, 1877.
Passerella iliaca (Merrem) Sw.
Dendrōeca coronata (L.) Gr.
Turdus migratorius L.
Carpodacus perpureus (Gm.) Gr.

December 10, 1877.
Dendrōeca coronata (L.) Gr.
Carpodacus perpureus (Gmelin) Gray. Large flocks were feeding upon the berries of the cedar (Juniperus virginianus). The whirring flight and chattering notes of these flocks reminds one of the flight of flocks of House Sparrows (Passer domesticus. L.)
Branta canadensis (Linné) Gray. Saw flocks flying southward, yesterday.

December 15, 1877.
Yesterday, thro' the kindness of my friends, Prof R. Donald, and Mr. Sanford R. Knapp, of Peekskill, I examined a finely mounted Golden Eagle, in the possession of the latter gentleman, shot Nov. 16, 1877, Three miles East of Peekskill, by a farmer. Measured 6 ft 6 in in expanse.

December 19th, 1877.
The Dendrōeca coronata (Linnaeus) Gray, are still here, and have been steadily present in considerable numbers, up to this time.
I shall, probably leave here tomorrow, for a fortnight, and the Warblers may have gone before I return: I should like to note the exact time of departure.
Ampelis cedorum - has been very abundant thus far, this winter
Carpodacus perpureus - Feeding on Cedar.

No. 1525 Melanerpes erythrocephalus ♂ juv. Dec. 28. 1877
Locust Grove, Lewis Co. N.Y. (Feeding on beech nuts, and uttering a frog-like croaking noise from the summits of the high beeches & elms.) (Measurements lost)

1526 Melanerpes erythrocephalus ♂ juv. Dec. 28. 1874.
Locust Grove, Lewis Co. N.Y.

1527 Picus villosus L. ♂ ad. Dec. 28, 1877.
Locust Grove, Lewis county. N.Y.

1528 Melanerpes erythrocephalus ♂ juv Dec. 29. 1877.
Locust Grove, Lewis County. N.Y.

1529 Picus pubescens L. ♂ ad. Dec. 29. 1877.
Locust Grove, Lewis Co. N.Y.

1530 Melanerpes erythrocephalus ♂ ad. Jan 1, 1878
Locust Grove, Lewis Co. N.Y. Stomach filled with beech mast. Iris reddish hazel. Bill bluish horn-color, shading into blue-black on tips of mandibles. Tarsi & toes greenish.
$9\frac{95}{100}$, $17\frac{90}{100}$, $5\frac{58}{100}$, $3\frac{49}{100}$, Bill $1\frac{17}{100}$, gape, $1\frac{37}{100}$ Occiput, $1\frac{15}{100}$. Tarsus $\frac{87}{100}$, Middle toe, $\frac{72}{100}$; its claw, $\frac{39}{100}$.

1531 Melanerpes erythrocephalus ♂ ad Jan 1. 1878.
Locust Grove, Lewis Co. N.Y. (Bill mutilated by shot,) Colors, contents of stomach &c like above (1530). Both of these specimens have the median line of the belly strongly stained with carmine. I think that is a purely mechanical stain, probably acquired from one of the oak-trees.
$9\frac{96}{100}$, $17\frac{80}{100}$, $5\frac{60}{100}$, $3\frac{30}{100}$.

A List of the Birds Seen at Locust Grove, Lewis County, N.Y. From December 21, 1877 to Jan. 2. 1878

1 Parus atricapillus L. Abundant
2 Sitta carolinensis Gm.
3 Carpodacus purpureus (Gm.) Gr.

4. Corvus americanus Aud.
5. Cyanurus cristatus (L.) Sw.
6 Picus villosus L.
7. Picus pubescens L.
8. Melanerpes erythrocephalus (L.) Sw. Exceedingly abundant. Feeding on beech mast. Frequenting the tops of the tallest trees, they utter a loud croaking, frog-like noise, and chase the Black Squirrels with loud rattling, shrieking cries, that at once attracts ones attention to the spot.
9. Syrnium nebulosum (Forster) Gr. I heard the notes of an Owl, sounding like those of this species, at 12 o'clock m. Their notes were frequently heard at night
10. Bubo virginianus (Gm.) Bp.
11. Bonasa umbellus (L.) Stephenson
12. Tetrao canadensis. L. A fine specimen was sent in to Mr. Dayan at Lyons' Falls.
13 Chrysomitris tristis (L.) Bp. Abundant.
14 Chrysomitris pinus (Wils.) Bp. Numerous
15 Certhia familiaris L.

January 7, 1878.

When I left Highland Falls (Dec. 20, 1877), the Dendroeca coronata (Linnaei) Gray. was present in considerable numbers. This morning I saw a single Yellow rump flying about among the apple trees. The ground is deeply covered with snow, and it is quite cold. The thermometer indicating 10° above zero (f.h.)

January 8, 1878

The Dendroeca coronata are still present. Thermometer standing at zero at sunrise. ground covered deeply with snow.

January 12, 1878.

To day I crossed the River, and built a tower in the old place, from which to shoot an Eagle. I examined the meadows, and found a Marsh Hawk there. Then visited Cold Spring and Constitution Island

List of Birds Seen

Sialia Sialis (L.) Wald.
Regulus Satrapa Licht.
Parus atricapillus L.
Anthus ludovicianus (Gm.) Sel. One seen
Dendroeca coronata (L.) Br. Abundant at Constitution Island, and at Highland Falls.
Ampelis cedrorum (V.) Bd. Abundant everywhere
Carpodacus purpureus
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Wils.) Bd.
Spizella monticola
Junco hyemalis (L.) Sel.
Passer domesticus L.
Picus pubescens L.
Larus Audsonius One sat on a hay-pole & when I tried to get near it, flew to the top of a tree on shore. I followed it for some time as it only flew a short distance at a time, alighting in the higher trees and screaming loudly the whole time, at short intervals.
Anas obscura Two Dusky Ducks got up out of the Creek, close to me, but were out of reach before I could change the cartridge. They occupied a very small space, that was free from ice.
Fuligula marila
Bucephala albeola
Larus argentatus (L.) Brun
Bonasa umbellus (L.) Stephens

Zenaedura Carolinensis

A Carolina Dove flew down from the ledge above the Garrison tunnel, and alighted on the Railroad track close beside me, where it hopped about, looking askance at me, and finally it hopped up on the trail, where it sat ogling me till a train came along, when it flew up on the ledge. A trackman told me that they were occasionally present there throughout the milder winters. He also informed me that he secured a Ruffed Grouse which was killed by flying in front of the smoke-stack of the engine, arising from the track, where they come to feed.

Jan. 14, 1878. The Dendroeca coronata and Carpodacus purpureus are very numerous also Turdus migratorius L.

Jan. 14, 1878 — The Bucephala clangula are numerous in the Hudson, and as they fly overhead, the loud, ringing whistle of their wings may be heard a long way, and is a very pleasant sound. The Larus argentatus (L.) Brun have been here all winter.

January 18, 1878.

Sialia Sialis (L.) Baldwin — Very numerous.
Parus atricapillus L. Common
Sitta carolinensis — Are seen.
Dendroeca coronata — Quite numerous. They are seen flying about in the orchards, and inhabit bushy places, near the river, or among the cedars. They seem to be quite contented so long as the ground is bare,

but after a snow-storm they are seen flying about restlessly, and seeking with great alacrity any bare spot of ground. Numbers were seen during the last snow about the wood-pile in company with the Parus atricapillus, the latter feeding upon insects found under the bark, and making a loud outcry when any unusual prize was discovered.

Ampelis cedrorum - Very large flocks; restless

Carpodacus purpureus - Very large flocks were seen feeding upon the berries of the iron-wood, and cedar trees. The rustle of wings was constant, and the jingling noise produced by their united chirpings was very singular. Old males were quite scarce. Females were seen sitting alone upon decidous singing a loud, sweet song.

Œdemia fusca - The Velvet Scoters are rather numerous in the river, and are very fond of sitting upon the ice, beside the open channel. They slide off like so many turtles when approached by the gunner, and at first swim out very rapidly; then stop and swim toward shore, and out again, watching the motions of the sportsman.

Mergus merganser - Rather abundant.

NO. 1532 Carpodacus purpureus (Gm) Br. ♀ Jan. 18, 1878. H. S. N.Y. $6\frac{20}{100}, 10\frac{21}{100}, 3\frac{25}{100}, 2\frac{15}{100}$, Bill $\frac{47}{100}$ gape, $\frac{60}{100}$ Occiput $\frac{85}{100}$. Tarsus, $\frac{72}{100}$. Bill dusky horn-color; comers of mouth yellow; Iris dark hazel. Tarsi & toes deep purplish brown.

1533 Chrysomitris tristis (L.) Bp. ♂ ad Jan 12, 1878. H. S. N.Y. $5\frac{15}{100}, 8\frac{22}{100}, 2\frac{20}{100}, 2$. Bill $\frac{40}{100}$. Tarsus, $\frac{53}{100}$. (Yellow on rump)

NO. 1534 Chrysomitris tristis (L.) Bp. ♀ Jan. 12, 1878, H. S. N.Y. $5\frac{31}{100}, 9\frac{13}{100}, 2\frac{96}{100}, 2\frac{8}{100}$ Bill $\frac{39}{100}$. Tarsus $\frac{56}{100}$ (White on rump)

1535 ~~Sialia~~ Sialis Sialis (L.) Haldeman. ♀ Jan. 10, 1878. H. S. N.Y.

1536 Chrysomitris tristis (L.) Bp. ♀ Jan 12, 1878. H. S. N.Y. Feeding on seeds of white birch-tree.

1537 Carpodacus purpureus (Gmelin) Str. ♂ ad. Jan. 20, 1878, H. S. N.Y. Bill purplish flesh-color on mandible; tip of mandible and maxilla, brownish black. Iris dark hazel. Bill dark purplish brown $6\frac{50}{100}, 10\frac{28}{100}, 3\frac{27}{100}, 2\frac{50}{100}$. Bill $\frac{46}{100}$. Tarsus $\frac{69}{100}$.

1538 Spizella monticola (Gmelin) Baird. ♂ Jan. 22, 1878 H. S. N.Y. Bill orange-yellow on mandible & ridge of maxilla at base; remedium of bill blackish. Iris hazel. Tarsi deep brown; feet darker brown - almost blackish. $6\frac{28}{100}, 9\frac{38}{100}, 2\frac{27}{100}, 2\frac{72}{100}$. Bill $\frac{41}{100}$; gape $\frac{46}{100}$, occiput $\frac{79}{100}$. Tarsus $\frac{78}{100}$. Middle toe, $\frac{55}{100}$; its claw, $\frac{2}{100}$.

1539 Parus atricapillus Linné. ♀ January 22, 1878. H. S. N.Y. Irides very dark. Bill black. Tarsi and toes dark grayish blue. $5\frac{39}{100}, 8\frac{10}{100}, 2\frac{55}{100}, 2\frac{41}{100}$. Bill $\frac{39}{100}$. Tarsus, $\frac{60}{100}$.

1540 Parus atricapillus Linné ♂ January 22, 1878. H. S. N.Y. Irides very dark. Bill black. Tarsi & toes dark grayish blue. $5\frac{36}{100}, 8\frac{36}{100}, 2\frac{43}{100}, 2\frac{43}{100}$.

1541 Regulus satrapa Licht. ♂ ad. Jan. 24, 1878. Coggens Landing, H. Riv.

A List of Birds Seen at Harrison's on Putnam, Co., on Jan. 24, 25 & 26, 1878.

Turdus migratorius L. One flock

Sialia sialis (L.) Haldeman - Abundant (as all winter)

Regulus satrapa Licht (Very abundant)

Parus atricapillus L. - Sounding their t-e-e-e-d-e

Sitta carolinensis Gm. Only one seen (has been scarce)

Certhia familiaris L. - Very abundant.

Anorthura hyemalis (Vieil.) Bp. - One in saltmarsh

Dendroeca coronata (L.) Gr. In flocks, and among

the cedars. Three males were shot, two of which are just beginning to change their winter plumage for that of summer, as are also the Chrysomitris tristis.
Carpodacus purpureus (Gm.) Gr. Numerous.
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Wils.) Bd.
Spizella monticola (Gm.) Bd. Abundant.
Junco hyemalis (L.) Sel. Abundant.
Corvus americanus And.
Picus pubescens L.
Buteo borealis (Gm.) V. A pair of Red-tails were at the Constitution Id. Marshes, but were quite unapproachable; tho they seldom made long flights, they always managed to be off before you had them within range. They were shrieking loudly.
Haliaëtus leucocephalus (L.) Savigny. Several adults & young were seen in the River, and in the old place. —
Bonasa umbellus (L.) Steph.
Larus argentatus (L.) Brunn.
Bucephala albeola (L.) Bd. A good-sized flock, composed entirely of males, was seen

Note

Larus philadelphia (Ord.) Coues. — Wm. Osborn took an immature Bonaparte's Gull near Constitution Id. Dec. 24, 1877.

No. 1542 Regulus satrapa Licht. ♀ Jan. 25, 1878. Constitution Id. H. Riv., N.Y. Iris dark brown. Bill black. Tarsi and toes deep brown; Soles yellowish below. $4\frac{24}{100}$, $6\frac{64}{100}$, $2\frac{16}{100}$, $1\frac{74}{100}$.

1543 Regulus satrapa Licht. ♂ ad. Jan. 25, 1878. Garrisons Cove, Putnam Co. N.Y. Colors of parts the same as above
$4\frac{20}{100}$, $7\frac{4}{100}$, $2\frac{33}{100}$, $1\frac{85}{100}$.

No. 1544 Dendroeca coronata (L.) Gr. ♂ ad. Jan. 25, 1878. Garrisons, Putnam Co. N.Y. Iris dark hazel. Bill and feet all black. $5\frac{75}{100}$, $9\frac{8}{100}$, $2\frac{93}{100}$, $2\frac{28}{100}$. Bill $\frac{37}{100}$. Gape $\frac{50}{100}$. Tarsus, $\frac{75}{100}$. Crop full of cedar-berries.

1545 Spizella monticola (Gm.) Bd. ♂ Jan. 25, 1878. Constitution Id. Putnam Co. N.Y. All of mandible but tip, and base of maxilla, orange-yellow; residue of bill black. Iris deep brown.
$6\frac{41}{100}$, $9\frac{52}{100}$, $3\frac{2}{100}$, $2\frac{88}{100}$.

1546 Spizella monticola (Gm.) Bd. ♂. Jan. 25, 1878. Constitution Id., Hudson Riv., N.Y. Iris dark brown. Bill & feet the same as above (No. 1545)
$6\frac{50}{100}$, $9\frac{50}{100}$, $3\frac{10}{100}$, $2\frac{86}{100}$.

1547 Spizella monticola (Gm.) Bd. ♂. Jan. 25, 1878. Constitution Id., Hudson Riv., N.Y. — Colors of parts the same as above (No. 1545)
$6\frac{51}{100}$, $9\frac{50}{100}$, $3\frac{8}{100}$, $2\frac{87}{100}$.

"That Tern that you wanted to know about, was a very young bird of the Hydrochelidon fissipes, Coues. (Sooty Tern). It was shot in the fall, for it is in the plumage of the first year, the edge of the feathers being tipped with brown. This adds a new bird to the fauna of Garrisons! Doesent it? Wm. Church Osborn."

February 6th. 1878.

Regulus satrapa Licht. — Abundant
Dendroeca coronata (L.) Gr. I shot one in the grave yard; they were quite plenty. The weather has been severlely cold, and stormy; and the ground is thickly covered with snow.
Carpodacus purpureus (Gm.) Gr. Abundant; shy.
Chrysomitris tristis (L.) Bp.
Chrysomitris pinus Wilson — The Chrysomitris pinus & C. tristis were numerous among

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the hemlocks, at Fort Montgomery, feeding together, upon the seeds of the Hemlock cone. The two species were associated in the same flock, and mixing freely.
Haliaëtus leucocephalus (L.) Savigny. A pair of adults was seen sitting on the hemlocks, just above "Highlands" station.

No. 1548 Chrysomitris pinus ♀ ad. Feb. 6, 1878. Fort Montgomery, N.Y. Iris dark hazel. Bill blackish, with base of mandible horn-color; tarsi & toes blackish brown – claws black. 5 6/100, 8 16/100, 2 86/100, 1 20/100. Bill, 43/100; gape, 47/100. Occiput, 70/100. Tarsus, 52/100. Hallux, 31/100; its claw, 25/100. Inner toe, 29/100; its claw, 16/100. Middle toe, 45/100; its claw, 23/100. Outer toe, 31/100; its claw, 15/100. Tip of bill to eye, 54/100.

1549 Chrysomitris tristis (L.) Bp. ♂ Feb. 6th. 1878. Fort Montgomery, N.Y. – Iris dark hazel; bill dusky horn-color at base of mandible and first at base of maxilla, on ridge. Tarsi & toes brown; claws brownish black. 4 93/100, 8 75/100, 2 72/100, 1 88/100. Bill, 40/100; gape, 43/100. Occiput, 69/100. Tarsus, 52/100. Hallux, 30/100; its claw, 21/100. Inner toe, 27/100; its claw, 15/100. Middle toe, 42/100; its claw, 20/100. Outer toe, 30/100; its claw, 15/100.

No. 1550 Dendroica coronata (Linné) Steph. ♂ Feb. 6th. 1878. N.Y. Cemetery. Iris hazel. Bill, tarsi & toes, black. 5 61/100, 9 81/100, 2 95/100, 2 23/100. Bill, 37/100; gape, 42/100. Tarsi 71/100.

1551 Spizella socialis (L.) Haldeman ♂ ad. Feb. 5, 1878. Iris – hazel. Bill, tarsi & toes, black 7 13/100, 12 34/100, 1 3/100, 2 65/100. Bill 47/100; gape, 75/100 Occiput, 1 4/100. Tarsi, 75/100.

1552 Spizella socialis (L.) Haldeman ♂ ad. Feb. 9, 1878. Iris dark hazel. Bill, tarsi and toes black; soles of feet yellow 7 4/100, 12 82/100, 4 12/100, 2 56/100.

February 9, 1878

Junco hyemalis (L.) Sel. Heard warbling its spring song very softly from a tall bush.

February 12, 1878

Today I walked down to the hemlocks at Fort Montgomery, but found no Chrysomitris pinus there.

Turdus migratorius L. A large flock seen at the schoolhouse, feeding upon berries of Juniperus virginianus.

Dendroëca coronata (L.) Gr. Very numerous among the cedars, and all along the road; feeding on cedar berries in company with robins.

Carpodacus purpureus (Gm.) Gr.

Ampelis cedrorum (L.) Bd.

February 13, 1878

Started to go to West Point library; saw Eagle returned for game; Eagle gone; built fower; waited; Eagle didn't come; – "At I lay there, within my screen of hemlock boughs, a White Wren (Anorthura hyemalis) flits down, and the first intimation I have of his presence

is a rapid metallic utterance, sounding very like the noise produced by nocking to pebbles, rapidly, together. I look out and see him hopping among the stones of the brook: he alights on my bower, and peers through the interstices of the branches; he comes close to my face and peers through at me; having satisfied his curiosity, he flies off in alarm, but soon returns."
Dendroica coronata (L.) Gr. Abundant.

February 14, 1878.

I lay in my bower for six hours without changing my position, and when I got out I was so numb with cold that I could hardly walk; the Eagle did not alight, altho he soared near the tree, as if in doubt whether to do so, or not; he thought he would'nt; he did'nt. The Anorthura hyemalis came close up to me; and my retreat afforded an irresistable attraction to the Sciurus hudsonius that were running about close to me, often sliding cautiously down a tree, close to my back, and then running up again in alarm.

February 15, 1878

Spent the whole afternoon in my bower, reading. A large animal, probably a fox ran against me, in entering his burrow; soon the dog came up, following the trail. I read in my bower till late, when I closed the book with a bang, and an exclamation. Looking at the bee, I saw a male Eagle sitting on it, looking calmly at my cover, but at my exclamation he seemed somewhat disconcerted; ~~closing to~~ As I brought my gun up, he lift the perch

with a bound that made the tree shake, but, at that moment my shot struck it. Without showing any signs of having been hurt by my shot he flew across the river, soared about, and returned past way, rising higher all the time, and at last falling headlong into the middle of the river; throwing back its white head in one long gasp, it dropped & floated on the water. I got a boat at Cozzens, and caught it to my Eagle, and brought it to shore at Havens' dock, where Mr. Cox kindly took charge of it and my gun, while I rowed my boat back to Cozzens, against wind, tide & ice.

No. 1553 Haliaëtus leucocephalus (L.) Savigny ♂ ad.
West Point, N. Y. Feb. 15, 1878
Bill, cere, feet, supercillary shield and eyelid, deep chrome-yellow; iris light silvery yellow, with minute brown specks gathered thickly about the pupil; Claws blue-black.
Bill, measured from base of cere, 2.48; gape, 2.77; top of cere, .74; depth of bill at base of cere, 1.26; lower mandible, from corner of mouth, 2.72; tip of bill to eye, 2.78; occiput, 3.42; Tarsus, measured from foot of tibia, 3.50; middle toe, 2.72; its claw, 1.37; inner toe, 1.66; its claw, 1.62; outer toe, 1.86; its claw, 1.17; hallux, 1.53; its claw, 1.69.
Weight, 10 lbs. 4 oz. Length 32.87; extent 84.10; Wing 22; Tail 11.90.
Stomach filled with large pieces of fishes, swallowed with the bones. These fishes were:— striped bass (Roccus lineatus) and fork-tailed catfish (A. Elurichthys marinus).
One of the shot (No. "B.") entered the sternum and, passing through the heart, passed out between the ribs, lodging in the skin. The bird afterward flew more than half a mile, the whole

thorax was filled with blood, before it died. The heart, tongue & trachea, liver, eyes &c were placed in alcohol.

No 1554 Carpodacus purpureus (Gm.) Gr. ♂ ad. Feb. 21, 1878. H. G. N. Y. Iris dark hazel; bill with maxilla and tip olive brown; mandible horn-color. Legs & feet deep brown. 6 $\frac{42}{100}$; 10 $\frac{52}{100}$; 3 $\frac{41}{100}$; 2 $\frac{41}{100}$. Bill, $\frac{47}{100}$; Tarsus, $\frac{70}{100}$ middle toe, $\frac{56}{100}$; its claw, $\frac{19}{100}$. Hallux, $\frac{32}{100}$; its claw, $\frac{24}{100}$.

1555 Carpodacus purpureus (Gm.) Gr. ♂ Feb. 21, 1878. H. G. N. Y. Colors of parts the same as above. 6 $\frac{13}{100}$; 10 $\frac{16}{100}$; 3 $\frac{32}{100}$; 2 $\frac{36}{100}$. Bill, $\frac{45}{100}$; occiput, $\frac{88}{100}$; tarsus, $\frac{69}{100}$; middle toe, $\frac{54}{100}$.

1556 Carpodacus purpureus (Gm.) Gr. ♀ Feb 21, 1878 H. G. N. Y. Iris hazel; bill blackish brown above, horn-color below; legs & feet blackish brown. 6 $\frac{6}{100}$, 9 $\frac{90}{100}$, 3 $\frac{13}{100}$, 2 $\frac{27}{100}$ Bill, $\frac{45}{100}$, Tarsus $\frac{67}{100}$ Middle toe, $\frac{50}{100}$. (♀ tinged with red like male)

1557 Picus pubescens L. ♀ Feb. 21, 1878. H. G. N. Y. Iris reddish brown. NB bluish black; tarsi & toes greenish. 6 $\frac{87}{100}$, 12, 3 $\frac{84}{100}$, 2 $\frac{61}{100}$. Bill, $\frac{61}{100}$, tarsus, $\frac{61}{100}$.

Note

Mr. William C. Osborn furnishes me with the following interesting note on the Yellow-bellied Woodpecker (Sphyrapicus varius): "An adult male of this species (S. varius) was taken dead in a back yard on 36th St., New York city, having succumbed, after a stout resistance, to the united attack of a number (twenty two were counted that engaged in the affray) of English Sparrow (Passer domesticus), one of their number having been left dead on the field, along with the luckless Woodpecker."

February 23rd, 1878

Sialia sialis (L.) Haldeman – Abundant; singing;
Regulus satrapa Lichtenstein. Numerous.
Parus atricapillus Linné
Sitta carolinensis Gm.
Certhia familiaris Linné.
Anorthura hyemalis – Numerous on Constitution Id.
Dendroica coronata (L.) Gr. Quite abundant
Ampelis cedrorum (V.) Bd. One specimen taken exhibited the horny, waxen appendages on each of its rectrices; another showed a single appendage on one rectrix; another specimen had large waxen appendages attached (as in most specimens) to each of the secondary quills, but not elsewhere; but each of its primary feathers was handsomely tipped with yellow.
Carpodacus purpureus (Gm.) Gr. Singing (both sexes) & chirruping loudly; abundant.
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Wils.) Baird – Singing sweetly
Spizella monticola (Gm.) Bd. Feeding on alders.
Corvus americanus And
Picus pubescens L. Almost gregarious on the Island.
Buteo borealis – Unapproachable on C'n. meadows.
Larus argentatus (L.) Brunn – Two seen
Fuligula clangula – Flying north; river closed above
Anus obscurus – A large flock.

No. 1558 Ampelis cedrorum (V.) Bd. ♂ ad. Feb. 23, 1878. Garrisons Station, N. Y. Irides reddish hazel; bill and feet bluish black. – 7 $\frac{31}{100}$, 11 $\frac{79}{100}$, 3 $\frac{75}{100}$, 2 $\frac{41}{100}$ Bill, $\frac{42}{100}$; gape, $\frac{72}{100}$; occiput, $\frac{99}{100}$; Tarsus, $\frac{64}{100}$; Middle toe, $\frac{57}{100}$; its claw, $\frac{25}{100}$; hallux, $\frac{27}{100}$; its claw, $\frac{25}{100}$. Crop full of cedar berries. Primaries tipped yellow

1559 Ampelis cedrorum (V.) Bd. ♂ Feb. 23, 1878. Constitution Island. Iris reddish hazel. bill and feet ~~reddish~~ black ~~hazel~~. 7 $\frac{28}{100}$, 11 $\frac{86}{100}$, 3 $\frac{77}{100}$, 2 $\frac{44}{100}$. Bill, $\frac{42}{100}$; gape, $\frac{73}{100}$; tarsus, $\frac{65}{100}$.

No. 1560 Ampelis cedrorum ♂ Ad. February 23, 1878. Constitution Island, Hudson River, N. Y. A single horny appendage to one rectrix. $7\frac{49}{100}$, $11\frac{98}{100}$, $3\frac{85}{100}$, $2\frac{38}{100}$. Bill, $\frac{44}{100}$, ~~gape~~, Tarsus, $\frac{65}{100}$. Iris reddish hazel. Bill & feet blue-black.

1561 Parus atricapillus L. ♂ Feb. 23, 1878. Garrisons Putnam County, N. Y. Iris dark hazel. Bill black. Legs & feet lead-color. $5\frac{37}{100}$, 8, $3\frac{50}{100}$, $2\frac{44}{100}$.

1562 Ampelis cedrorum ♂ Ad. Feb. 23, 1878. Constitution Id. Iris reddish hazel. Bill & feet blue-black, $7\frac{37}{100}$, $12\frac{5}{100}$, $3\frac{56}{100}$, $2\frac{34}{100}$. Bill, $\frac{44}{100}$; Gape, $\frac{73}{100}$; Tarsus, $\frac{66}{100}$.

1563 Ampelis cedrorum ♂ Ad. Feb. 23, 1878. Constitution Island. Iris dark reddish hazel; bill & feet bluish black; horny appendages developed $7\frac{20}{100}$; $11\frac{81}{100}$; $3\frac{75}{100}$; $2\frac{25}{100}$. Bill $\frac{36}{100}$; gape, $\frac{65}{100}$; Tarsus $\frac{64}{100}$.

1564 Carpodacus purpureus ♂ Feb. 23, 1878. Garrisons (1) Bill above brown; below horn-color. Iris dark hazel. Legs & feet brown. $6\frac{18}{100}$, $9\frac{99}{100}$, $3\frac{19}{100}$, $2\frac{23}{100}$

1565 Carpodacus purpureus ♂ Feb. 23, 1878. Garrisons, N. Y. Color like above $6\frac{38}{100}$, $10\frac{15}{100}$, $3\frac{25}{100}$, $2\frac{30}{100}$. Bill, $\frac{43}{100}$.

1566 Carpodacus purpureus ♂ Feb. 23, 1878. Garrisons N. Y. Colors like above $6\frac{25}{100}$, $10\frac{25}{100}$, $3\frac{18}{100}$, $2\frac{20}{100}$.

1567 Picus pubescens L. ♂ Feb. 23, 1878. ~~Garrisons~~, ~~N.Y.~~ Constitution Island, Hudson Riv, N. Y. Iris reddish hazel. Bill blue black. Tarsi and toes greenish. $6\frac{87}{100}$, $12\frac{10}{100}$, $3\frac{86}{100}$, $2\frac{49}{100}$

1568 Ampelis cedrorum (?) ♂ Ad.?) No horny appendages. Iris reddish hazel; bill black; legs and feet blackish. $7\frac{4}{100}$, $11\frac{80}{100}$, $3\frac{78}{100}$, $2\frac{38}{100}$. February 23, 1878.

February 28, 1878.

Today is the last of winter, — warm, sunny and pleasant. I will note a few facts about the birds of the past winter. —

1 Turdus migratorius L. Has recently appeared in considerable numbers; has been very scarce all winter.

13. Sialia sialis (L.) Haldeman. Abundant throughout
2. Regulus satrapa Licht. Abundant throughout.
3. Parus atricapillus Linné. " "
4. Sitta carolinensis Gm. Scarce "
5. Certhia familiaris Linné. Abundant "
6 Anorthura hyemalis (Vieil.) Ches. Not abundant, but present throughout
7 Dendroica coronata (L.) Sw. Quite common throughout
8 Ampelis cedrorum (V.) Baird. Irregularly present in large flocks
9 Carpodacus purpureus (Gm.) Br. Common throughout but only a very few males are seen; very wild.
10 Loxia curvirostra Wilsonii (L.) Bp. Very common throughout
11 Loxia pinus (Wils.) Bp. One flock Feb. 6th.
12 Melospiza melodia (Wilson) Bd. Present throughout
14 Junco hyemalis (L.) Sel. Abundant "
15 Spizella monticola (Gm.) Bd. " "
16 Passerella iliaca (Merrem) Sw. Remained till Dec. 8, 1877, and arrived from the South today, Feb. 28, 1878.
17 Passer domesticus Linn
18 Corvus americanus Aud. Has been passing northward for some weeks past.
19 Lophophanes bicristatus (L.) Sw. Heard for the first time this morning. A few stayed near Fort Montgomery all winter, but I do not recollect having seen or heard them elsewhere
20 Picus pubescens L. Abundant
Picus villosus L. Scarcely seen
21 Bubo virginianus (Gm.) Bp. Heard tonight.
22 Scops asio (L.) Bp.
23 Buteo borealis (Gm.) Vieil. Abundant all winter
24 Haliaetus leucocephalus (L.) Savigny. Present throughout.
25 Gennaedura carolinensis (L.) Bp. Occasionally present
26 Bonasa umbellus (L.) Steph.
27 Anas obscura Gm. Present nearly or quite throughout
28 Fuligula marila (L.) Steph. do
29 Bucephala clangula (L.) Sw. do
30 Bucephala albeola (L.) Bd. do

31 Harelda glacialis (L.) Leach
32 Œdemia fusca (L.) Sw. Present throughout
33 Mergus merganser L. " "
34 Mergus serrator L. " "
35 Larus argentatus (L.) Brun

February 28, 1878
List of Birds Seen

Sialia sialis (L.) Haldeman
Parus atricapillus L.
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Wils.) Bd. Singing
Junco hyemalis (L.) Scl. Singing
Passerella iliaca Merrem, Sw. First Seen (Shot)
One of a flock seen and shot - Note a low tweet
Picus pubescens L. Several days since a Downy was observed digging a hole in a pear tree, 4½ ft from the ground. This afternoon, at 4½ O'clock, I visited the spot (close to my house) and found a smoothly finished cavity, such as is used for the purpose of nidification; and the ground covered with chips; but no Downy was in sight. Shortly after sunset, I again visited the tree, and saw a male Downy snugly ensconced within the cavity, with bill tucked away among the feathers, which latter were ruffed up so as to present the appearance of a ruffed up ball of black and white feather, with a red-napped head tucked in the middle. I left the spot and called Miss Anna to come and see my Downy, and after talking to and looking at the fellow for some time, we at last awakened him when he flew swiftly out and alighted upon a side-branch of a pear tree close by, where he remained motionless for some time, when he withdrew to a distance, and sat watching; after an elapse of five minutes he flew from the limb (from which he had not stirred) and re-entered his burrow. While sleeping, his whole frame heaved at every breath

Œdemia fusca (L.) Sw. Several ducks which probably belonged to this species were seen in the river.

March 1, 1878.

I visited the Downy at 5.50 A.M. and found him still sleeping soundly, altho' the Bluebirds were already singing, and the Crows were flying in flocks, overhead. I watched till 6.50 O'clock, when I heard an admonitory tapping upon the inside of the tree; a waking-up process, analagous to own bathing and dressing. A moment later his head appeared at the entrance of his burrow, whence, after a jerky salutation to the first sunrise of Spring, he hied him forth to his day's labor. At first he alighted on a pear tree near by, and after tapping sleepily at the limb, ascended to the top, looked curiously at me, and then took a long flight over into the woods, where I soon heard his loud notes. Downy is not an early riser!

No. 1569 Passerella iliaca (Merrem) Sw. ♀ ad. Feb. 28, 1878
H. S. N. Iris hazel. Bill with sides of maxilla, and basal ½ of mandible, yellow; top of maxilla blackish brown; tip of mandible horn-color. Legs and feet brownish flesh-color.
6 97/100, 10 62/100, 3 26/100, 2 75/100. Bill, 47/100; gape, 53/100; occiput, 97/100; tarsus, 95/100; middle toe, 60/100; its claw, 33/100; hallux, its claw, 40/100.

Notes

Dendroeca castanea (Wils.) Bd. Arrived May 19, 1873.

Pinicola enucleator - "It (One that was kept in confinement by him (Wilson) for more than half a year - August) was caught in winter near the North river, thirty or fourty miles above New York." Wilson & Bonaparte Vol. 2, Page 58.

March 3, 1878 (Sunday) This evening, at 5.25 O'clock, I visited the Downy Woodpecker, and found him in his hole, sound asleep, clinging to the side of the cavity with head thrown over to one side and nestling amongst the feathers, showing the beautiful rich of the nape to the best advantage. The feathers of the breast were deeply creased (divided) down the middle. As my warm breath reached him, his chest stopped heaving, and with a swiftness that was astonishing in its contrast to the previous deep slumber, he threw out his neck and head, but, as I instantly retired, he did not leave the burrow, nor, probably, find out what had awakened him. He has slept in the hole since first discovered, every evening, retiring by sunset (or sooner?)

March 6, 1878.

March 4 Dendroeca coronata (L.) Gr. (Seen March 4, 1878.)
Dendroeca coronata. One small flock seen (plumage still in winter.)
Passerella iliaca (Merrem) Sw. Numerous
Carpodacus purpureus (Gm.) Gr. Immense flocks at Fort Montgomery were feeding on the seeds of the hemlocks, and on the ground whence they fly with a louder whirr than even the Passer domesticus. Only a few males accompanied these flocks, and as usual kept somewhat apart from the

females. Both sexes singing sweetly.
Junco hyemalis (L.) Sclater Singing mildly.

Picus pubescens. A female Sialia sialis was worrying and making a great disturbance about the Downy's hole, which she had apparently occupied during the day, but which he again appropriated to sleep in. All of the Junco in the neighborhood were also gathered to assist at the row, while poor Picus looked contented and calmly from the entrance to his burrow, flying away, however at my approach to the woods, and not returning till late.

March 8th. 1878

Quiscalus purpureus First Seen
Passerella iliaca (Merrem) Sw. Abundant

March 9th. 1878

Turdus migratorius L.
Sitta carolinensis Gm.
Dendroeca coronata (L.) Gr.
Quiscalus purpureus
Spizella monticola (Gm.) Bd. Singing an exceedingly sweet song.
Junco hyemalis (L.) Scl. Singing sweetly
Passerella iliaca (Merrem) Swainson Singing

No. 1570 Carpodacus purpureus (Gm.) Gr. ♂ ad March 6, 1878
H. F. N.Y. Iris hazel; bill with maxilla fleshy brown, tipped black; mandible flesh-color, shading into horn-color at tip. Legs & feet brown.
$6\frac{26}{100}$, $10\frac{25}{100}$, $3\frac{29}{100}$, $2\frac{28}{100}$. Bill, $\frac{46}{100}$ Tarsus, $\frac{66}{100}$.

1571 Carpodacus purpureus (Gm.) Gr. ♂ ad March 6, 1878
H. F. N.Y. Colors the same as above
$6\frac{27}{100}$, $9\frac{92}{100}$, $3\frac{25}{100}$, $2\frac{32}{100}$ Bill, $\frac{45}{100}$. Tarsus, $\frac{64}{100}$.

NO. 1572 Carpodacus purpureus (Gm.) Sr. ♀ March 6, 1878, H. ~~S.N.Y.~~ Fort Montgomery, N. Y.
6 19/100, 10 12/100, 3 25/100, 2 30/100. Bill, 42/100. Tarsus, 70/100.

1573 Carpodacus purpureus (Gm.) Sr. ♀ March 6, 1878, H. S.N.Y.
6 7/100, 9 83/100, 3 20/100, 2 10/100, Bill, 46/100. Tarsus, 68/100.

1574 Passerella iliaca (Merrem) Sw. ♂ March 6, 1878. H. S.N.Y. Iris hazel; bill with maxilla brown, yellow at ~~at~~ base of mandible, shading into horn-color at tip. Legs & feet fleshy brown.
7 15/100, 11, 3 50/100, 2 83/100. Bill, 50/100. Tarsus, 92/100

1575 Passer domesticus L. ♂ ad. March 6, 1878 Cragston, H. S.N.Y. Iris dark hazel; bill black. Legs and feet brown
6 23/100, 9 50/100, 3 4/100, 2 28/100, Bill, 49/100.

1576 Passer domesticus L. ♀ ad. March 6, 1878. Cragston H. S.N.Y. Iris dark hazel; bill blackish, horn-color at base of mandible. Legs & feet fleshy brown.
6 40/100, 9 70/100, 2 96/100, 2 23/100, Bill, 47/100. Tarsus, 73/100.

1577 Melospiza melodia (Wils.) Bd. ♂ ad March 6, 1878. Cragston H. S.N.Y. Iris hazel. Bill brownish black on maxilla; mandible yellow at base, ~~of~~ shading into horn-color on sides and tip. Legs and feet flesh-color. 6 13/100, 8 59/100, 2 61/100, 2 57/100 Bill 46/100. Tarsus, 81/100.

1578 Ampelis cedrorum (V.) Bd ♂ March 6, 1878 H. S.N.Y. Iris reddish hazel. Bill & feet black.
7 23/100, 11 40/100, 3 73/100, 2 35/100, Bill 44/100. Tarsus, 62/100.

1579 Passer domesticus L. ♂ ad. March 6, 1878. H. S.N.Y. Iris brown. Bill black. Legs & feet brown.
6 65/100, 9 88/100, 3 7/100, 2 37/100. Bill, 48/100.

1580 Passer domesticus L. ♂ ad. March 8, 1878. H. S.N.Y. Iris hazel, bill black; legs & feet brown.
6 61/100, 10, 3 16/100, 2 35/100. Bill, 52/100. Tarsus, 80/100.

1581 Ampelis cedrorum (V.) Bd. ♀ March 6, 1878. H. S.N.Y. Iris reddish hazel; bill & feet black.
7 28/100, 12 5/100, 3 85/100, 2 31/100.

NO. 1582 Ampelis cedrorum (V.) Bd. ♂ March 6, 1878. H. S.N.Y.
7 38/100, 11 62/100, 3 75/100, 2 42/100 Iris reddish hazel. Bill & feet black.

1583 Sitta carolinensis Gm. ♂ ad March 9, 1878. H. S.N.Y. Iris hazel; bill blue-black on maxilla; very light bluish at base of mandible, shading into blue-black at tip. Legs & feet lead-color
6 12/100, 11 18/100, 3 67/100, 2. Bill, 75/100; gape, 88/100; occiput, 92/100; tarsus, 70/100; middle toe, 65/100; its claw, 25/100; Hallux, 47/100; its claw, 36/100.

1584 Sitta carolinensis Gm. ♀ ad March 9, 1878. H. S.N.Y. Colors the same as above.
6, 10 94/100, 3 57/100, 1 93/100 Bill, 77/100; gape, 92/100.

March 11, 1878

This morning a bird was seen flying over head, out of shotgun range, that uttered a wild note, which I have never heard before. I did not recognize it; it was about the size of a Purple Martin (Progne subis). I would recognize the note should I hear it again (Sphyrapicus varius? Nov. 7, 1878 E. A. M.)

Ampelis cedrorum (V.) Bd. Feeding upon the seeds of the sumach.

Sphyrapicus varius (?)

Picus pubescens L. Large numbers of them were seen — apparently a migrating body, tho they were scattered through the woods in pairs.

March 13th. 1878

Sayornis fuscus. First seen

Buteo borealis

Buteo pennsylvanicus (Wils.) Bp. First seen. A flock of five was seen, besides two others.

No. 1585 Chrysomitris tristis ♂ March 2, 1878 N. Shy.
5 15/100; 8 88/100; 2 82/100; 1 97/100. (Moulting)

1586 ♂ Ampelis cedrorum ♀ March 13, 1878. N. Shy.
Iris reddish hazel; bill & feet black.
7·18; 12; 3·88; 2·28.

1587 ♂ Ampelis cedrorum ♀ March 13, 1878, N. Shy.
7·25; 11·81; 3·78; 2·33. Iris reddish hazel; bill & feet black.

1588 ♂ Ampelis cedrorum ♀ March 13, 1878, N. Shy.
Irides reddish hazel; bill & feet black.
7·02; 11·77; 3·86; 2·35.

1589 ♂ Ampelis cedrorum ♂ March 13, 1878; N. Shy.
Iris reddish hazel; bill & feet black.
7·35; 11·84; 3·79; 2·36.

1590 ♂ Ampelis cedrorum ♂ March 13, 1878. N. Shy.
Iris reddish hazel; bill & feet black.
7·15; 12·04; 3·93; 2·32.

1591 ♂ Ampelis cedrorum ♂ March 13, 1878, N. Shy.
7·10; 11·85; 3·83; 2·30. Iris reddish hazel; bill & feet black.

1592 Carpodacus purpureus ♂ ad. N. C. Mts. March 15, 1878
Shot by C. Hart Merriam. Iris hazel; bill above dusky brown; blackish on ridge at tip; mandible flesh-color with a rosy tinge. Legs & feet brown.
6·29; 10·39; 3·22; 2·26. Bill, ·44; gape, ·56; occiput, ·93; tarsus, ·66.

1593 Picus pubescens ♂ ad. March 15, 1878 N. Shy.
Iris reddish. Bill blue-black; legs & feet lead-color.
7·02; 12·25; 3·78; 2·48. Bill, ·69; tarsus, ·58.

1594 ♂ Ampelis cedrorum ♂ March 13, 1878. N. Shy.
7·25; 11·62; 3·64; 2·35. Bill, ·42; tarsus, ·63.

1595 ♂ Ampelis cedrorum ♀ March 13, 1878. N. Shy.
7·19; 11·60; 3·71; 2·35. Bill, ·45.

1596 ♂ Ampelis cedrorum ♀ March 13, 1878 N. Shy.
7·14; 11·75; 3·64; 2·32.

1597 ♂ Ampelis cedrorum ♂ March 18, 1878. N. Shy.
7·25; 11·85; 3·72; 2·35.

1598 ♂ Ampelis cedrorum ♀ March 18, 1878 N. Shy.
Irides reddish hazel. Bill & feet black.

1599 ♂ Ampelis cedrorum ♀ March 11, 1878. N. Shy.
Irides reddish hazel; bill & feet black.

1600 ♂ Turdus migratorius ♂ ad. March 15, 1878. N. Shy.
Irides hazel; bill yellow, with maxilla black at tip. Legs & feet brown.
10·10; 15·96; 4; 87; 3·88; bill, ·82; tarsus, 1·25.

1601 ♂ Ampelis cedrorum ♀ March 11, 1878. N. Shy.
Iris reddish hazel; bill & feet black.

1602 ♂ Ampelis cedrorum ♀ March 11, 1878. N. Shy.
Irides reddish hazel; bill & feet black.

March 26, 1878.

Spizella pusilla Wilson. Bp. First seen. (!!!)
Sayornis fuscus – Quite numerous for a time
Spizella monticola – not seen for several days
Junco hyemalis – Very numerous
Certhia Mexicana D. Boie First seen

A List of Birds seen at Rhinebeck, N.Y. from March 18th to 23rd. 1878

Turdus migratorius L.
Sialia sialis
Parus atricapillus
Sitta carolinensis
Dendroeca coronata
Carpodacus purpureus
Chrysomitris tristis
Melospiza melodia
Junco hyemalis
Passerella iliaca
Passer domesticus
Spizella monticola
Corvus americanus
Cyanurus cristatus
Sayornis fuscus
Picus pubescens
Picus villosus
Colaptes auratus First seen Mar. 21, 1878
Buteo borealis
Buteo lineatus
Haliaëtus leucocephalus
Bonasa umbellus
Larus argentatus.

The Rev. Mr. Wheatley related, at Miss Garretson's table, how a Swallow, Hirundo horreorum flew into his hand. While he was preaching in the Rhinebeck Church, on Sunday morning service

Jonathen Cole, (Light House Keeper, Hudson river near Rhinebeck), Port Ewen, Ulster Co. N.Y.
Two Mergus merganser found dead under the light.

March 27, 1878

Agelaeus phoeniceus — First seen
Colaptes auratus + Abundant.

No. 1603 Carpodacus purpureus ♀ ad. March 26, 1878. H.G.N.Y. Iris brown. Bill with maxilla and tip of mandible brownish black. Legs + feet deep brown.
6·24; 10·38; 3·20; 2·25. Bill, ·48. Tarsus, ·67.

1604 Sayornis fuscus ♂ ad. March 25, 1878. H.G.N.Y. Irides hazel; bill + feet black
7·18; 11·38; 3·47; 2·94. Bill, ·59. Tarsus ·71.

1605 Sayornis fuscus ♂ ad. March 25, 1878. H.G.N.Y. Irides hazel; bill + feet black.
7·26; 11·80; 3·52; 3 Bill, ·59. Tarsus, ·70.

March 30, 1878

Turdus migratorius
Sialia sialis
Regulus calendula
Parus atricapillus
Certhia familiaris
Carpodacus purpureus
Passer domesticus
Molothrus ater
First Seen
Sayornis fuscus
Colaptes auratus
Larus argentatus
Chrysomitris tristis
Melospiza melodia
Poocetes gramineus
First Seen
Junco hyemalis
Passerella iliaca
Agelaeus phoeniceus
Sturnella magna
Corvus americanus
Picus pubescens
Haliaëtus leucocephalus
Seen yesterday.

Notes

Junco hyemalis. Wm. Osborn informs me that he found the Snow bird at Lake Mohonk, N.Y. about July 25, 1877.

Conturniculus passerinus I am informed by Wm. Osborn that the Yellow-winged Sparrows

have been observed by him, on various occasions, near the Croft House, at Garrisons, Putnam Co, N.Y.

Spizella monticola (March 28, 1878) Singing in a loud trill; the first notes clear and rising, then descending in a loud trill.

Conturniculus passerinus Found by Mr. Wm. C. Osborn at various points between Catskill + Cornwall during a pedestrian excursion taken during the last of July, 1877

No. 1606 Turdus migratorius ♀ ad. Highland Falls, N.Y. March 30, 1878. Iris hazel. Bill yellow, tipped with black. Legs + feet brown 9·83; 15·50; 4·75; 3·79. Bill, ·82. Tarsus, 1·21.

1607 Junco hyemalis ♂ ad. March 29, 1878. Garrisons, Putnam County, N.Y. Iris hazel. Bill dusky flesh-color, tipped black. Legs + feet dark brown.
6·35; 10·11; 3·03; 2·73; bill, ·44; tarsus, ·83.

1608 Passerella iliaca ♂ ad. April 1, 1878. H.G.N.Y. Iris dark hazel. Bill fleshy white, with top of maxilla + tip of bill blackish. Legs + feet light brown.
7·18; 11·25; 3·37; 2·77. Bill, ·50 Tarsus. ·99.

1609 Sayornis fuscus ♂ ad. April 1, 1878. H.G.N.Y. Iris hazel. Bill + feet black.
7·24; 11·52; 3·50; 2·99. Bill, ·65. Tarsus, ·69.

April ~~2nd~~ 1st, 1878 — First shad caught today

April 3rd, 1878 Passerella iliaca — Abundant in thick cedars. Singing loud and sweet from the midst of a brush-heap. Utters a sharp, clicking, metallic note like that of Harporhynchus rufus; besides its usual low tweet.

April 1, 1878 Certhia familiaris warbling a sweet, moderately loud song, that puzzled me for a long time. Bird sang clinging to side of tree

April 3, 1878 1. Dendroeca coronata - monthly
2. Sphyrapicus varius. Utters a cry like that of Cyanurus cristatus; heard at long intervals.
3 Carpodacus purpureus - abundant
4 Spizella socialis. - First seen.

No. 1610. Carpodacus purpureus ♂ ad. April 4, 1878. H.G.M.Y.
6·10; 3·18; 2·38

1611. Sayornis fuscus ♂ ad. April 3, 1878. H.G.M.Y.
7·27; 11·32; 3·47; 3·05. Bill & feet black. Iris hazel.

1612. Passerella iliaca ♂ ad. April 4, 1878. H.G.M.Y.
7·65; 11·78; 3·56; 3·03.

1613. Dendroeca coronata ♂ ad. April 4, 1878. H.G.M.Y.
5·71; 9·32; 2·93; 2·25. Iris hazel.
Bill & feet black.

1614. Melospiza melodia. ♂ ad. Apr. 10, 1878. H.G.M.Y.
Bill above blackish; below horn-color. Irides dark hazel; legs and feet brownish flesh-color.
6·25; 8·70; 2·52; 2·54. Tarsus, ·86; bill, ·53.

April 11, 1878.
Ardea herodias, First Seen
Saw a single Great Blue Heron at Pell's Pond.

Hyla pickeringii. It has rained for two whole days & nights and the Hyla frogs have wandered up in the woods upon the wet leaves. I preserved three of them.

April 12, 1878

No. 1615. Colaptes auratus ♀ ad. April 11, 1878. H.G.M.Y.
Bill ~~above blackish~~ blue-black; legs & feet lead-color; irides reddish. 11·80; 20·40; 6·15; 4·88.
Bill, 1·43; tarsus, 1·16; gape, 1·60.

1616. Molothrus ater ♂ ad. April 11, 1878. H.G.M.Y.
Irides dark hazel; bill & feet black.
7·75; 13·30; 4·10; 2·88. Bill, ·70; gape, ·67; tarsus, 1·05.

Regulus calendula - Has not appeared.
No Turdus pallasi have been seen this year.
Sitta carolinensis - Not seen in a long time
Anorthura troglodytes, var. hyemalis - Not seen for a long time - none this spring.
Dendroeca coronata - Not seen since the 4th.
Ampelis cedrorum - Very scarce lately
Junco hyemalis - Not very numerous.
Spizella pusilla - Trilling its loud notes everywhere
Zonotrichia albicollis - Not one has appeared about hear since last autumn, tho' they have been numerous about Riverdale (Bicknell fide Merriam) for weeks.
Passerella iliaca - All have passed through; last seen on the 4th.
Molothrus ater - Numerous
Cyanurus cristatus - Not seen lately.
Picus villosus - Do not recollect having seen any for months. Merriam writes me from Lewis county, N.Y., that he "dont seem to run across 'em". "If he finds 'em they'd better say respers".
Ceryle alcyon - Along the river.
Larus argentatus - Numerous on the River
Anas obscurus - A Dusky Duck gave me much amusement, not unaccompanied by a little vexation. I saw him waddling along over the humpy marsh with considerable celerity. A side view was very pleasing, tho a posterior one was most ludicrous; for his tail wiggled incessantly and his body perfored a most remarkable series of lateral oscillatory movements, especially when walking where the hummocks were thick. He often stretched out his long neck to its fullest dimentions when alarmed, and then squatted low

Over. — See p. 430.

April 15th., 1878.

Turdus pallasi. — First seen; scarce
Regulus calendula. — First seen
Regulus satrapa.
Dendroica pinus. — First Seen
Singing a loud trill, frequently repeated.
Ampelis cedrorum.
Carpodacus purpureus. — Utters a loud chirp.
I examined the Tomsook marshes, but found no sparrows save the Melospiza melodia.
Junco hyemalis. — Very numerous.
No Zonotrichia albicollis yet seen.
Turdus migratorius, Sialia sialis, and Corvus americanus are breeding building.
Ceryle alcyon. On the River.

No. 1617. Turdus migratorius. ♀ad. Apr. 12, 1878. N. Y.
Irides hazel; bill yellow, tipped dusky. Legs & feet brown. Tarsus, 1·22.
9·70; 15·40; 4·68; 3·67. Bill, ·89; from nostril, ·53.

1618. Turdus pallasi. ♂ad. April 15, 1878. N. Y.
7·30; 11·53; 3·50; 2·76. Bill, ·65; from nostril, ·40; tarsus, 1·15.

1619. Spizella socialis. ♂ad. April 15, 1878. N. Y.
5·38; 8·80; 2·85; 2·27. Bill, ·36; tarsus, ·64.

1620. Sturnella magna. ♂ad. April 18, 1878. Fishkill, Dutchess Co. N.Y. Irides dark hazel. Bill bluish at base of maxilla, quickly shading into black; tip horn-color; mandible light blue, blackish at tip. Legs & feet bluish flesh-color; claws black. 10·60; 16·45; 4·54; 2·97. Bill, 1·32; gape, 1·45; occiput, 1·18; tarsus, 1·72; middle toe, 1·13; its claw, ·34.

1621. Sturnella magna. ♂ad. April 18, 1878. Fishkill, Dutchess Co. N.Y. Irides dark hazel. Bill bluish at base of maxilla, shading quickly into black; mandible light blue at base, shading into horn-color; blackish at tip. Legs & feet bluish flesh-color. 11·12; 16·75; 4·85; 3·45. Bill, 1·33; gape, 1·45; occiput, 1·18; tarsus, 1·72; middle toe, 1·13; its claw, ·35.

1622. Agelaius phoeniceus. ♂ad. April 18, 1878. Fishkill, Dutchess Co. N. Y. Irides dark; bill & feet black. 10·13; 15·53; 4·73; 3·90. Bill, ·96; tarsus, 1·08.

1623. Sturnella magna. ♂ad. April 20, 1878. Croft House (near Garrisons), Putnam Co. N.Y. Irides dark hazel. Bill horn-color on maxilla; tip black. Tip of mandible black; rest of it flesh-color. Legs & toes flesh-color; claws black. 9·57; 14·86; 4·22; 2·75. Bill, 1·30; gape, 1·35; occiput, 1·15; tarsus, 1·60; middle toe, 1·17; its claw, ·40.

1624. Sirrus motacilla. ♂ad. April 20, 1878. Putnam County, N.Y.

1625. Regulus calendula. ♂ad. April 20, 1878. Garrisons, Putnam County, N.Y.

1626. Sphyrapicus varius ♀ad. (♂ad.) April 20, 1878. Garrisons, Putnam Co., N.Y. Irides hazel. Bill blue-black. Legs & feet lead-color.
8·56; 15; 4·58; 2·90. Bill, ·86;

1627. Molothrus ater. ♀ad. April 20, 1878. Putnam Co. N.Y. Iris hazel. Bill blue-black. Legs and feet blackish. 7·38; 12·53; 3·86; 2·66. Bill, ·63; tarsus, ·97.

1628. Molothrus ater. ♂ad. April 20, 1878. Garrisons, Putnam Co., N.Y. Iris hazel. Bill & feet black.
8·07; 13·75; 4·14; 3. Bill, ·64; tarsus, 1·07.

1629. Molothrus ater. ♂ad. April 20, 1878. Garrisons, Putnam Co. N.Y. Iris hazel. Bill & feet black.
7·87; 13·50; 4·16; 3. Bill, ·66; tarsus, 1·06.

1630. Molothrus ater. ♂ad. April 20, 1878. Garrisons Putnam Co. N.Y. Iris hazel. Bill & feet black.
8·12; 13·58; 4·15; 3. Bill, ·69; tarsus, 1·02.

1631 Junco hyemalis ♂ad. April 22 1878. N.Y.
Irides dark hazel. Bill pale, fleshy pink, with just a trace of the dusky tip on maxilla. Tarsus fleshy brown; feet brown. 6·48; 10·16; 3·06; 2·80. Bill, ·41; tarsus, ·82.

among the hummocks without moving for a long time. He swam very swiftly upon the shallow water; and ~~raised~~ rose from the meadow quite easily as I approached, not flying far before alighting. At last he flew to the river, near Consook Island, where I lost sight of him.

April 15, 1878

Saw Anas obscurus on the meadows (marshes) by Consook Island, in the same place as on the previous occasion.

A List of Birds seen at Fishkill, Dutchess Co. N.Y. April 18-19, 1878.

Turdus migratorius. Sturnella magna. - Very abundant; singing very pleasantly.
Sialia sialis.
Parus atricapillus. Corvus americanus.
Tachycineta bicolor. - First seen. Sayornis fuscus.
Carpodacus purpureus. Picus pubescens.
Chrysomitris tristis. Colaptes auratus.
Poecetes gramineus. Ceryle alcyon.
Melospiza melodia. Buteo (——?).
Spizella socialis.
Spizella pusilla.
Passer domesticus.
Molothrus ater. - Very numerous
Agelaeus phoeniceus. - numerous & musical

A List of Birds Seen at Garrisons, Putnam Co. N.Y. April 20, 1878.

Turdus migratorius. Sinirus motacilla. In
Sialia sialis. (pairs; singing loudly; shy.
Regulus calendula. Singing very sweetly
Parus atricapillus
Dendroeca palmarum. First seen; Quite abundant at several points.

Carpodacus purpureus. Males abundant; singing
Chrysomitris tristis. Moult nearly completed.
Poecetes gramineus. Cyanurus cristatus.
Melospiza melodia. Sayornis fuscus; breeding.
Spizella socialis. Picus pubescens
Spizella pusilla. Colaptes auratus; building.
Junco hyemalis. - One seen.
Passer domesticus. Sphyrapicus varius.
Agelaeus phoeniceus. Ceryle alcyon
Molothrus ater. - Very numerous.
Sturnella magna. - Numerous; singing, 2 shot.
Scolecophagus ferrugineus. - Quite numerous.
Corvus americanus. Zenaedura carolinensis.
Philohela minor. Two young ones were caught by the men on the place last Sunday (the 14th.). Pandion haliaetus. One seen.
Tringoides macularius (?). Thought I heard one.

Notes

Zenaedura carolinensis. - Wm. Osborn found nest containing two eggs, at Princeton, N.J. on the 13th. of April, 1878.

Sinirus motacilla. - Two specimens were shot by Wm. Osborn, on April 19th. 1878. The first seen.

Sphyrapicus varius. - One (♂) shot by Wm. Osborn, at Highland Falls, N.Y. Apr. 19, 1878. I shot a female at Garrisons on the 20th.

Birds seen in the Collection of Jas. S. Buchanan of Newburgh, N.Y.

1. Centurus carolinus. Red-billed Woodpecker. adult. Shot at Cornwall, in September, 1870.

2. Molothrus ater. - Cow-bird. A perfect albino

Mr. Buchanan informed me that he had handled a number of Shore Larks (Ermophilia alpestris) that were shot about Newburgh.

Birds observed in the Collection of Mr. Peter de Nottbeck, Esq. of Fishkill

1. Bucephala americana. ♂. March, 1878
2. Fulica americana. Taken in both spring & fall; quite numerous. Taken early in April, 1877.
3. Mareca americana. – Mr. de Nottbeck has two specimens, both females. One taken in fall, and one in spring
4. Totanus flavipes. Tesser Yellow-legs. Specimen taken in autumn of 1876. Was found in large flocks
5. Mareca americana. The female taken in autumn (mentioned above) was shot in 1875, and was the first of the migratory Ducks that appeared.
6. Myiodioctes mitratus. Rare; One specimen taken
7. Loxia americana. Several specimens taken at St. Regis Lake, Adirondack Wilderness. N.Y. late in October, 1877. Abundant there in large, chattering flocks.
8. Syrnium nebulosum. adult. Matteawan, N.Y. The only one seen by him.
9. Tiniscalus purpureus, var. aeneus. ♂ad. Fishkill village N.Y. "Quite as common as variety purpureus". One variety breeds there.
10. Sphyrapicus varius. – Called "Corn bird" seen frequently by Mr. de Nottbeck eating the corn in the autumn. It was while thus feeding that he usually secured his specimens.
11. Passerculus savanna. ♂ad. Fishkill

Landing, N.Y. Spring of 1874. Shot in a bushy swamp – inland.
12. Colymbus septentrionalis. juv. Tou Point (3 miles north of Fishkill, on the Hudson River. Nov. 14, 1876.
13. Pin-tailed Duck. ♂ad Huds Riv. at Fishkill,
14. Larus philadelphia. immature (nearly full plumaged) Tail with terminal bar of black; ends of scapulas brownish
15. Erisnectura rubida. – Ruddy Duck. October, 1877. Franklyn Co. N.Y. (Asgood pond). Abundant in flocks
Several flocks seen in Hudson at Fishkill. One specimen taken there.
16. Porzana carolina. Rainbow pond, Franklyn County, N.Y. October, 1877.
17. Helmitherus vermivorus. One specimen taken in the Fishkill mountains. July, 1877 adult.
18. Turdus pallasi. pullus. obtained in Franklyn County, N.Y. in Sept., 1877.
19. Icteria virens adult specimen Fishkill Landing

Notes on Birds coppied from Note-Book of Peter de Nottbeck, Esq. of Fishkill, N.Y.

Sayornis fuscus.	First seen	March 26, 1876.
Tachycineta bicolor	do	April 17, 1876.
Troglodytes aedon	do	April 23, 1876.
Spizella socialis	do	April 15, 1876.
Pipilo erythrophthalmus	do	Apr. 30, 1876; Heard before
Hirundo horreorum	do	Apr. 25, 1876
Icterus spurius	do	May 5, 1876.
Ceryle alcyon. –	Four young in nest	May 30, 1876
Agelaeus phoeniceus	do	May 28, 1876.
Icteria virens. –	Scarce in early July	
Picus villosus	do	

Fulica americana. Shot specimen Oct. 3rd, 1876
Fuscalus fuscipurens. Arrived February 29, 1877
Melospiza melodia. - Four eggs May 20, 1877

Mr. de Mottbeck assured me that Mr. Joseph Fuller, a collector who formerly lived in Dutchess County, had found the nest of the White-headed Eagle (Haliaëtus leucocephalus) near the Hudson. Mr. Fuller has moved West, and I could not get his address.

April 22, 1878.

Ardea virescens. - First seen
Junco hyemalis. - One shot.
Sialia sialis. - I found a family of noisy young ones in the excavation, made by Picus pubescens, in our pear-tree.

April 23rd, 1878

Dendroeca coronata. First seen since April 4th. The moult (which takes place at the same time as in Chrysomitris tristis) is now complete. Very abundant
Hirundo horreorum. First seen.
Icterus americanus. Found nest containing four eggs.
Dendroeca palmarum.
Seiurus motacilla. Singing
No. 1632. Seiurus motacilla, ♂ ad., April 23, 1878, H.S.M.
Iris hazel. Bill brownish-black, basal one half of mandible flesh-color. Legs & feet flesh-color.
6·27; 10·64; 3·20; 2·15. Bill, ·58; tarsus, ·92.
1633. Agelaeus phoeniceus, ♂ ad., April 24, 1878. H.S.
Irides hazel. Bill and feet black.
9·50; 15·60; 4·68; 3·70. Tarsus, 1·15.

April 24, 1878.

The Sialia sialis are at least a week old, in the pear-tree.

Passer domesticus. The English Sparrows built a nest in the bird-house. Both male & female frequented a tangled mass of vines (trumpet flower & "five-leaved ivy") growing over an adjacent rock. They were very shy and quiet. When the nest was completed, the male bird retired to the village, and the female only appeared at intervals; always flying straight to the village wherever she found that her presence attracted attention. Today I ascended to the nest, by means of a ladder and removed the nest, whose entrance was at the side, and which contained four (4) fresh eggs, one of which was accidentally destroyed.

*Mr. Morris Harrison informed me that he heard a Whippoorwill on the evening of April 20th. (1878)

Antrostomus vociferus.* Are has been flying over the road, and another was heard distinctly during the early part of the evening.

Dendroeca palmarum & Seiurus motacilla
Agelaeus phoeniceus. etc.

April 25, 1878.

1. Troglodytes aëdon. - First seen; Singing on the balcony, and visiting the hole in the wall, which they always occupy.
2. Dendroeca coronata. While hunting in the rain, the clouds suddenly lifted, and the sun shone out bright & purely April phenomena - and then the birds began to sing. Even the Yellow-rumps sang a very pleasant warble, which was taken up by one after another of the

flock, by which I was surrounded, producing a very pleasing medley of music.

3. Sphyrapicus varius. One female shot.
4. Accipiter (Cooperi ?) A hawk, which is probably of this species is probably nesting on the side of the mountain. It flew overhead entering its peculiar cry.
5. Regulus calendula. - Has not appeared in any considerable numbers yet.

April 26, 1878.

1. Turdus fallasi. - First seen since the day of its first arrival (p. 428), April 15, 1878.
2. Siurus auricapillus. - First seen. One shot. Others heard uttering their usual pounding Crotis
3. Siurus naevius. - First seen. One shot.
   Its chip is much feebler than that of S. motacilla, and lacks some of its metallic ring. It skulks under cover, and is very hard to flush.
4. Siurus motacilla. Numerous; singing.
5. Pipilo erythrophthalmus. One male shot.
   First seen
6. Accipiter fuscus. - I surprised one in a thicket but could not shoot, as my gun was loaded, in both barrels, with dust shot. I first discovered its presence by a cry from a Spizella pusilla from the midst of a thicket of cat-briers, where it had taken refuge.

No. 1634. Dendroica palmarum, ♂ ad., April 24, 1878. N. S. N.Y. Iris hazel; bill black, horn-color at base of mandible; legs & feet brown. 5·42; 8·60; 2·62; 2·18; bill, ·42; tarsus, ·81.

1635. Sphyrapicus varius, ♀ ad. April 25, 1878. N. S. N.Y. Iris hazel; bill blue-black; legs & feet lead-color. 8·80; 15·85; 4·80;

3·18; Bill, ·94; tarsus, ·78.

1636. Siurus motacilla, ♂ ad. April 25, 1878. N. S. N.Y. 6·56; 10·77; 3·22; 2·18. Bill, ·58; tarsus, ·92.

1637. Siurus motacilla, ♂ ad. April 25, 1878. N. S. N.Y. 6·07; 10·40; 3·12; 2·08. Bill, ·51; tarsus, ·86. There is a great discrepancy between the measurements of the above two specimens. tho' both were proved males, by dissection, at a time of year when the sexual organs are especially prominent and easily distinguishable.

1638. Siurus naevius, ♂ ad. April 26, 1878. N. S. N.Y. Iris hazel. bill with maxilla black; mandible flesh-color. Legs & feet light brown. 6·04; 9·40; 2·86; 2. Bill, ·53; tarsus, ·82.

1639. Pipilo erythrophthalmus, ♂ ad., April 26, 1878. N. S. N.Y. Irides red. Bill black; legs & feet light brownish flesh-color. 8·40; 11·10; 3·38; 3·75. Bill, ·57; tarsus, 1·11.

April 27, 1878.
List of Birds Seen

Turdus migratorius. - Found nest with 4 eggs.
Mimus carolinus. - First Seen
Harporhynchus rufus. - First Seen
Sialia Sialis
Regulus calendula. - Singing a varied and particularly lovely song. Not numerous.
Parus atricapillus. (First seen April 26th.)
Mniotilta varia. - ~~First seen~~; abundant; singing.
Parula americana. - First Seen; male shot.
Dendroica coronata. -
Dendroica palmarum. - Not numerous
Siurus motacilla
Siurus naevius. - One shot; very difficult to shoot, keeping so close to cover in thick bushes

Vireo flavifrons. First seen. One shot at Harrisons by Mr. C. Osborn, - learned from him, a week later.
Setophaga ruticilla. - First seen; numerous; singing.
Hirundo horreorum.
Carpodacus purpureus. - Numerous.
Chrysomitris tristis. - do.
Passerculus savanna. Numerous on the Consook marsh; uttered a low tweet and were rather shy. Six wer shot, which were the First seen.
Melospiza palustris. - First seen
Melospiza melodia. Found nest containing 2 eggs.
Spizella socialis.
Spizella pusilla.
Zonotrichia albicollis. One seen
Passer domesticus; breeding.
Pipilo erythrophthalmus.
Agelaeus phoeniceus. & Molothrus ater.
Corvus americanus. Colaptes auratus
Sayornis fuscus. Ceryle alcyon
Picus pubescens
Chordeiles virginianus First seen; in flock.
Antrostomus vociferus.
Haliaëtus leucocephalus. - One seen flying over the house and at different places.
Zenaedura carolinensis.
Anas obscura. - One seen flying on the river. The one on the Consook marsh was killed (by a mink or weasel?) and we found its body (freshly killed) with a large hole eaten in its side beneath the left wing. I shall preserve the entire specimen; making an osteological preparation.
Tringoides macularius. - First seen; one shot.

No. 1640. Hirundo horreorum, ♂ ad., April 27, 1878. H. G. M. J. Iris hazel. Bill black. Legs & feet reddish brown. 7·32; 13·10; 4·68; 3·65. Bill from nostril, ·24; tarsus, ·39.

1641. Hirundo horreorum, ♂ (jiw?) April 27, 1878. H. G. M. J. Iris hazel. Bill black. Legs & feet reddish brown. 7·06; 12·90; 4·65; 3·16.

1642. Sinrus naevius, ♂ ad., April 27, 1878. H. G. M. J. Iris hazel. Bill blackish on maxilla, with mandible flesh-color, - brownish at tip. 6·14; 9·52; 2·90; 2·17. Bill, ·50; tarsus, ·85.

1643. Passerculus savanna, ♂ ad., April 27, 1878. H. G. M. J. Iris hazel. Bill above blackish; below horn-color. Legs & feet flesh-color. 5·78; 9·12; 2·64; 2. Bill, ·46; tarsus, ·84.

1644. Passerculus savanna, ♂ ad., April 27, 1878. H. G. M. J. Colors of parts as above (No. 1643). 5·88; 9·40; 2·70; 2.

1645. Dendroeca palmarum, ♀ ad. April 27, 1878. H. G. M. J. 5·27; 8·06; 2·37; 2·05. Bill, ·41; tarsus, ·78.

1646. Setophaga ruticilla, ♂ ad., April 27, 1878. H. G. M. J. Iris hazel; bill black; legs & feet brownish black. 5·60; 7·92; 2·50; 2·37.

1647. Pipilo erythrophthalmus, ♀ ad., April 27, 1878. H. G. M. J. Iris red. Bill blue-black; horn-color on tip of mandible. Legs & feet flesh-color. 8·24; 10·65; 3·25; 3·65.

April 28, 1878

Chaetura pelasgia. First seen

April 30, 1878.

Turdus migratorius. - Shot specimen with one of its greater wing-coverts, white.
Mimus carolinensis. - Singing in the thickets
Harporhynchus rufus. - Singing in the tree-tops as well as on the ground, in the thicket; singing at intervals while feeding on the ground.
Parus atricapillus. - Saw two chickadees feeding in a pine-tree, near the river, attracted by a note which was to me uttered as they were skipping

Turdus mustelinus. — First seen

about, close to me, I was induced to shoot, them, which I did, kill them both at one shot, as they came together to administer a caress. I thought that they might belong to the Southern species Parus Carolinensis; having secured my specimens I began to search for the nest, which I discovered in a decayed branch of a oak tree (~~Pinus rigida~~ Quercus), and which contained seven (7) fresh eggs. The nest was composed of moss, lined inside with cottony down and hair, besides the feathers of Dendroeca coronata.

Regulus calendula. — None were seen

Troglodytes aëdon. — Singing about the house.

Mniotilta varia. — Singing everywhere.

Dendroeca coronata & Setophaga ruticilla.

Hirundo horreorum. The only Swallows yet seen

Chrysomitris tristis. — This whole region is literally deluged with "Yellowbirds".

Passerculus savanna. — Numerous on the Consook marses. One shot.

Melospiza melodia. Took another nest, upon which the female (?) was sitting & which contained five fresh eggs.

Melospiza palustris — Numerous on the marsh.

Zonotrichia albicollis. Has not yet been numerous.

Pipilo erythrophthalmus. — Numerous, and musical.

Molothrus ater. — Two pairs (two males & two females) have been on the place for some time. I shot one old male.

No. 1648. Chrysomitris tristis, ♂ ad., April 29, 1878. H. F. N. Y. Iris hazel. Bill orange-red. Legs & feet yellowish flesh-color. 5·19; 8·90; 2·70; 1·96. Bill, ·39; tarsus, ·53.

1649. Parus atricapillus, ♀ ad., April 29, 1878. H. F. N. Y. Iris dark hazel. Bill blue-black. Legs & feet dark lead-color. 5·30; 7·97; 2·53; 2·50. Bill, ·38; tarsus, ·59.

1650. Parus atricapillus, ♂ ad., April 29, 1878. H. F. N. Y.

Colors of parts the same as above
5·28; 8; 2·52; 2·40. Bill, ·36; tarsus, ·60.
Both of the above were shot from nest containing seven fresh eggs, which were also collected.

April 30 — Notes continued.

Corvus americanus. — Found nest containing five eggs, which were about to be hatched.

Cyanurus cristatus. — Just beginning to appear; not numerous; one shot.

Tringoides macularius & Ardea virescens, seen

May 1st, 1878.

Accipiter Cooperi. — Capt. Fawrot kindly told me where a Hawk's nest was built. Today I found it. As I approached, the female flew off, and alighted on the opposite side of a morass, where she was joined by the male parent, both of which began to utter a singular barking cry, repeated in rapid succession, which somewhat resembled the prolonged ~~cry~~ utterance of the common Flicker (Colaptes auratus). Then the male approached, and, after circling overhead, alighted on a tree close to the one on which the nest was situated. He soon removed once more to the opposite side of the swamp; both birds continuing to repeat their singular cry. As the male again soared over my head, I fired at him, wounding him severely, at which he began to fly about in an irregular & disorderly manner, until he at length disappeared among the trees — the last I saw of him. The female soon followed him and, though I remained in the woods during the afternoon she did not again return to her nest. I climed to the nest, which was placed

on the summit of a tall, slender pepperage tree, standing in the edge of the stagnant pond. It contained four eggs, which I did not disturb, as I intend to visit the spot again tomorrow, hoping to secure the female, and possibly the wounded male also.

I captured both species of "Box turtles" (Cistudo virginiana & C. blandingii). The Blanding's Box Turtle is the second I have taken, the first having been captured on May 12, 1878 in Orange County likewise.

Tyrannus Carolinensis, First seen

Hawk. I climbed to another hawk's nest (probably the one used by the same pair of Cooper's Hawks mentioned above), which was placed in the tripple fork of a very tall oak-tree, which had been used last season. It was filled with bones, chiefly those of birds (Bonasa umbellus, etc.), the smaller ones, having worked deep into the interstices of the sticks of which the nest was built. I gathered many of these bones, which I will presently identify.

No. 1651. Melospiza palustris, ♀ad., April 30, 1878. ~~Hitchy~~ Iris hazel. Bill blackish; brown at base of mandible. Legs & feet brown. Coxsook Island Hudson Riv., N.Y. 5·87; 7·73; 2·22; 2·24. Bill, ·45; tarsus, ·83.

1652. Melospiza melodia, ♂ad., April 30, 1878. ~~Hitchy~~ Shot from nest containing five eggs. Coxsook Island Hudson Riv., N.Y. Iris hazel. Bill black on maxilla; base of mandible flesh-color; horn-color at tip of mandible. 6·46; 8·66; 2·58; 2·71. Bill, ·50; tarsus, ·79.

1653. Passerculus savanna, ♂ad., April 30, 1878. Coxsook Island. Hudson Riv., N.Y. Iris hazel. Bill black-ish, with basal third of mandible horn-color. Legs & feet flesh-color. 5·83; 9·20; 2·70; 2·06. Bill, ·43; tarsus, ·81.

May 2nd, 1878.

Troglodytes ædon. - Common.

Parus atricapillus. - Several pairs seen; one of these pairs evidently had an nest near by, and uttered ~~so~~ notes similar to those whose nest I took April 30th.

Mniotilta varia - Very numerous, and widely distributed; singing everywhere.

Parula Americana

Dendroeca coronata. - Numerous.

Seirus motacilla. - Its song the clearest and sweetest heard; not very common

Seirus auricapillus - Very numerous & vocal.

Setophaga ruticilla. - Singing very prettily

Ampelis cedrorum - One flock in the orchard.

Vireo flavifrons - First seen*; singing.

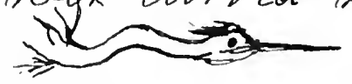
Zonotrichia albicollis - Now numerous.

Tyrannus carolinensis

Melanerpes erythrocephalus. Two were seen in Capt. Faurot's orchard, one of which I shot, after a long chase.

Picus pubescens. Capt. F's.

Ardea herodias. - One seen at Pell's Pond; rose nearly from the water; soon mounted well up in the air, with legs stickney straight out behind and neck curved somewhat in this fashion:-



I concealed myself in the bushes, hoping that it might return; nor was I mistaken; for soon it came flying back again, just skimming the tree-tops; then it sailed down to the end of the pond, where, as it approached the spot where it wished to alight, it assumed a perpendicular position, and seemed to have really alighted long before it really settled, which singular

*See top of Page 438.

lar appearance produced an effect as if running on the water (tho' its legs were held straight downward. It lit in deep water, sinking nearly to its body; then it looked about cautiously in all directions, espying me the instant I arose from where I was lying amongst the bushes far over on the opposite side of the pond, and, rising as before, alighted on the top of a high tree in the woods, whence it flew with a loud flap, as I attempted to creep within gun shot.

Ceryle alcyon & Antrostomus vociferus seen

Accipiter Cooperi. — Visited the nest; female flew from it before I got within range, though I approached cautiously. After waiting in the bushes most of the morning, I climbed to the nest, which was somewhat bulky and rather more concave than usual. It was composed entirely of small twigs, lined with a few pieces of bark. No feathers or other substance than those mentioned were used in its construction. I took the four eggs, which were successfully blown, though they contained slightly developed embryos. The nest was, as before stated, placed upon the top of a tall slender sour-gum tree, standing in the edge of a pond or morass.

No. 1654. Melospiza melodia ♀ ad., (parent of set 4) April 30, 1878. Consook Island, Hudson Riv. N.Y. 6·30; 8·40; 2·42; 2·60. Bill, ·50; tarsus, ·81.

1655. Turdus migratorius, ♂ ad., April 30, 1878. H.G.N.Y. Iris hazel. Bill yellow, with tip of maxilla black. Legs & feet dark brown. 10·10; 16·25; 5; 3·95. Tarsus, 1·28. Bill from nostril; ·53. One of greater wing-coverts, white

1656. Harporhynchus rufus, ♂ ad. April 30, 1878. H.G.N.Y. Iris yellow. Bill black; flesh-color at

base of mandible. Legs & feet grayish flesh-color. 11·85; 13·25; 4·05; 5·20. Bill from nostril, ·89; tarsus, (1·34

1657. Cyanurus cristatus, ♀ ad., April 30, 1878. H.G.N.Y. Iris hazel. Bill & feet black. 11·50; 16·40; 4·90; 4·90. Bill, 1·06; tarsus, 1·38.

1658. Pipilo erythrophthalmus, ♂ ad., April 30, 1878. H.G.N.Y. Iris red. Bill black. legs & feet light brown. 8·50; 11·87; 3·39; 3·70. Bill, ·56; tarsus, 1·13.

1659. Molothrus ater, ♂ ad. April 30, 1878. H.G.N.Y. Iris hazel. Bill & feet black. 7·90; 13·65; 4·25; 3.

1660. Troglodytes aëdon, ♀ ad. May 2, 1878. H.G.N.Y. Iris hazel. Bill with basal half of mandible flesh-color; resedien black. Legs & feet brown. 5·10; 6·42; 1·81; 1·60; bill from nostril, ·38; tarsus, ·68.

1661. Melanerpes erythrocephalus, ♀ ad. May 2, 1878. Orange Co. N.Y. Bill greenish; tarsi & toes lead-color. 9·60; 18; 5·37; 3; bill, 1·09; tarsus, ·80.

Empidonax minimus; First seen May 2nd.

May 3rd., 1878.

Dendroeca pennsylvanica. — First seen; very numerous; singing.

Sinius auricapillus. — Excessively abundant.

Sinius naevius & S. motacilla.

Pyranga rubra — First seen.

Vireo flavifrons. — Singing.

Icterus baltimore; First seen; abundant.

Myiarchus crinitus. — First seen

Tyrannus carolinensis. (Sayornis fuscus Found nest containing six (6) partly hatched eggs)

Empidonax minimus.

Antrostomus vociferus

May 4th., 1878.

List of Birds Seen

Turdus migratorius, T. mustelinus,

Mimus carolinensis

Harporhynchus rufus, Sialia sialis

Parus atricapillus, Troglodytes aëdon,
Telmatodytes palustris.- First seen; one shot.
Miniotilta varia, Parula americana
Dendroëca cærulescens.- First seen; One shot.
Dendroëca coronata, D. pennsylvanica,
Seirus auricapillus, S. noveboracensis; several seen;
one shot. Seirus motacilla; building; utters
a loud note like striking two pebbles sharply
together, in rapid succession.
Geothlypis trichas. First seen; numerous;
all seen were found in the salt marshes, on
both sides of the river; singing; all males.
Myiodioctes mitratus; First seen; two
males were shot; singing; utter a sharp,
metallic chip, audible at considerable dist-
-ances. Setophaga ruticilla; females now abundant.
Pyranga rubra, Hirundo horreorum,
Empidonax cedrorum. Vireo flavifrons,
Vireo noveboracensis - first seen.
Vireo olivaceous. - First seen.
Carpodacus purpureus, Chrysomitris tristis,
Poocetes gramineus, Passerculus savanna,
Melospiza melodia, M. palustris; Saltmarsh,
and at Pell's Pond; Zonotrichia albicollis.
Spizella socialis, S. pusilla, Passer
domesticus, Cyanospiza cyanea. - First seen
; one shot. Pipilo erythrophthalmus,
Molothrus ater, Agelaeus phoeniceus,
Icterus baltimore, Corvus americanus,
Quiscalus quiscalus. Myiarchus crinitus,
Tyrannus carolinensis, Sayornis fuscus,
Empidonax minimus, Chaetura pelasgia,
Ceryle alcyon, Ectopistes migratorius,
Trochilus colubris. First seen.
Coccyzus erythrophthalmus. First seen
Picus pubescens; Nesting
Colaptes auratus

Fringoides macularius - Flock of half dozen
individuals together, at Consook Island.
Ardea virescens. Linné. - Consook Marsh.

Fifty-five species were noted today.

No. 1662. Myiodioctes mitratus, ♂ ad. May 4, 1878. H. & My. Iris hazel. Bill black. Legs & feet grayish flesh-color
1663. Myiodioctes mitratus, ♂ juv. May 4, 1878. H. & My. Iris hazel. Bill black. Legs & feet nearly white. 5.67; 8.38; 2.55; 2.28. Tarsus, .76.
1664. Telmatodytes palustris, ♂ ad. May 4, 1878. Consook Island, Hudson River, N.Y. Iris hazel. Bill blackish on maxilla; mandible flesh-color. Legs & feet brownish flesh-color. 5.35; 6.62; 11.90; 1.75. Tarsus, .83.
1665 Fringoides macularius, ♀ ad. May 4, 1878. Consook Island, Hudson River, N.Y. 7.95; 13.50; 4.08; 2.
1666. Geothlypis trichas, ♂ ad., May 4, 1878. Consook Island, Hudson River, N.Y. 5.30; 7.30; 2.12; 2.10.
1667. Poocetes gramineus, ♂ ad. May 3, 1878. Garrisons, Putnam Co., N.Y. ~~5.30; 7.30; 2.12; 2.10.~~

May 5, 1878

Took a walk this afternoon, making the follow-
-ing observations:-
Cyanospiza cyanea, Myiarchus crinitus,
Sturnella magna. - Seen on the Consook
marsh; one pair.
Picus ~~pubescens~~. - Discovered a nest which
contained four (4) fresh eggs. which were de-
-posited upon a nest of grass & other fine
material. The entrance-hole was through
a knot-hole, while the nest rested on a mass
of decayed, black muck, at the bottom of the
hole. The Woodpecker had not used his
bill at all in the construction of the nest.
1668. Molothrus ater, ♂ ad. May 4, 1878. H. & My.
Iris hazel. Bill & feet black.

No. 1669. Molothrus ater, ♀ad. May 4, 1878. N. St. N.Y. Contained an egg.

1670. Icterus baltimore, ♂ad., May 4, 1878. N. St. N.Y.

1671. Turdus mustelinus, ♂ad. May 4, 1878. N. St. N.Y. Iris hazel. Bill with maxilla black; mandible flesh-color, shading into blackish on tip. Legs & feet flesh-color. 8·20; 13·75; 4·30; 2·95.

1672. Turdus mustelinus, ♂ad. May 4, 1878. Garrisons Putnam Co, N. Y. Colors of parts like above (1671) 8·50; 13·75; 4·30; 2·90

1673. Mniotilta varia, ♀ad. May 4, 1878. N. St. N.Y. 5·40; 8·53; 2·68; 2·05.

1674. Coccyzus americanus, ♀ad. May 6, 1878. N. St. N.Y. Iris hazel. Eyelid yellow, Bill black on maxilla and tip of mandible; sides of maxilla and all of mandible but tip, yellow — greenish where it approaches the black. Legs and feet lead-color.
11·88; 16·75; 5·67; 5·80. Bill from nostril, ·72; tarsus, 1·02.

May 6, 1878.

Chordeiles virginianus & Antrostomus vociferus. Accipiter fuscus. Are seen near the house.
Coccyzus americanus: First seen. Numbers of them seen everywhere; six seen flying together; extremely vocal; three shot, all females

May 7, 1878.

Mniotilta varia. — A female that I surprised on the ground, in a swamp, uttered a harsh, rattling sound. They are very numerous and somewhat musical.
Parula americana & Dendroica pennsylvanica, Dendroica caerulescens — Not yet numerous.
Dendroica coronata — Has not been common.
Seiurus motacilla. — One that I shot contained an egg nearly ready for extrusion.
Hylocichla fuscescens. — Not common on the high ground.
Icteria virens. — First seen

Myiodioctes mitratus. — Quite numerous. Its song consists of six loud, clear notes; the last loud, and with a rising inflection. When frightened from the tree top where they are singing, they fly into a thicket, where they resume their song, but stop short at the first, 2cd, third, etc, note, (as the case may be) when again interrupted, and then utter a sharp metallic chip; when all is again quiet it again cautiously begins, at first uttering only the first note of its song, then stopping short, it pauses a moment, and then gives out its full, powerful song.
Setophaga ruticilla. — Sings in a very animated and cheerful manner, but cannot compare, in song, with Dendroica pennsylvanica.
Pyranga rubra & Ampelis cedrorum.
Vireo olivaceus. — Singing
Chrysomitris tristis. — Sings a very sweet song.
Calamospiza melanocorys. — Numerous; singing.
Cyanurus cristatus, Corvus americanus.
Empidonax minimus, Antrostomus vociferus.
Coccyzus americanus
Coccyzus erythropthalmus
Ardea virescens & Ionornis macularius.

No. 1675. Coccyzus americanus, ♀ad., May 6, 1878. N. St. N.Y. Iris hazel. Bill black on maxilla & tip of mandible; sides of maxilla and all of mandible but tip, yellow; legs & feet lead-color. Eyelid yellow.
12·40; 17·35; (17·35); 5·86; 6·25.
Bill from nostril, ·73; tarsus, ·99.

1676. Coccyzus americanus, ♀ad., May 6, 1878. N. St. N.Y. Colors of parts the same as above
12; 16·75; 5·65; 5·85.
Bill from nostril, ·74; tarsus, 1·

No. 1677. Sinus motacilla, ♀ ad. May 7, 1878. H. F. N. Y.
Iris hazel. Bill with maxilla blackish; mandible flesh-color at base. Legs & feet flesh-color.
6·25; 10·38; 3·12; 2·12.
Contained an egg nearly ready for extrusion.

1678. Vireo olivaceous, ♂ ad. May 7, 1878. H. F. N. Y.
Iris red; bill with maxilla blackish; mandible horn-color. Legs & feet lead-color.
6·33; 10·15; 3·25; 2·30.

1679. Setophaga ruticilla, ♂ ad. May 7, 1878. H. F. N. Y.
Iris hazel. Bill & feet blackish.
5·38; 7·90; 2·47; 2·27.

1680. Myiodioctes mitratus, ♂ ad., May 7, 1878. H. F. N. Y.
Iris hazel. Bill blackish. Legs & feet flesh-color.
5·75; 8·47; 2·53; 2·30.

1681. Myiodioctes mitratus, ♂ ad. May 7, 1878, H. F. N. Y.
Iris hazel. Bill black; Legs & feet brownish flesh-color.
5·75; 8·55; 2·55; 2·25. Bill from nostril, ·30. Tarsus ·82.

1682. Myiodioctes mitratus, ♂ ad. May 7, 1878. H. F. N. Y.
Iris hazel. Bill black. Legs and feet flesh-color, slightly brownish on feet. 5·64; 8·40; 2·67; 2·30.

1683. Myiodioctes mitratus, ♀ ad. May 7, 1878. H. F. N. Y.
Colors as above, only legs & feet flesh-color.
5·62; 8·25; 2·52; 2·35.

1684. Sphyrapicus varius, ♀ ad. May 7, 1878, H. F. N. Y.
Iris hazel. Bill blue-black. Legs & feet lead-color.
8·62; 15·70; 4·88; 3·10.

Dendroeca blackburniae. First Seen (May 7, 1878).

May 8, 1878

Turdus fuscescens. – First Seen. One alighted on the side of a tree, where it remained for some time.
Sialia sialis. – Found one set of four eggs & another of two.
Telmatodytes palustris
Dendroeca coronata. – Singing quite prettily

Dendroeca ~~blackburniae~~ maculosa First Seen.
Myiodioctes mitratus. – Pyranga rubra.
Tringoides macularius. – Eight or ten together at Cousook marsh.
Sphyrapicus varius. – One Seen.

May 9, 1878.

Turdus fuscescens
Mniotilta varia, Parula americana,
Dendroeca aestiva. – First Seen.
Dendroeca virens. – First Seen.
Myiodioctes mitratus – Quite numerous.
Vireo gilvus. – First Seen.
Vireo flavifrons. – Quite abundant, singing.
Cyanospiza cyanea. – Musical
Goniaphea ludovicianus. – First see (♂ & ♀).
Myiarchus crinitus – Several seen.
Sialia sialis. Four eggs of second brood laid in the pear tree.

May 10, 1878

Turdus swainsoni, First Seen.
Myiodioctes canadensis. – First seen
Conturniculus passerinus. – Several seen at Croft House, Garrisons, by Will Osborn, who collected a single specimen.
Helminthophaga chrysoptera. – Will Osborn shot two at Garrison – the First Seen –, in the morning. In the afternoon I visited the same spot, and saw several of them, but did not succeed in procuring any specimens.
Helminthophaga ruficapilla First seen.

Note

Will Osborn shot a Dendroeca virens on the 4th.
Dendroeca striata First Seen May 9th; two shot.

Helminthophaga chrysoptera, ♂ ad. May 10, 1878, Garrisons, Putnam co, N.Y. Iris hazel. Bill black, with line of commissure & tip of mandible horn-color. Legs & feet yellowish lead-color.
5; 7·90; 2·43; 1·92; bill from nostril, ·32; tarsus, ·70.

No. 2. H. chrysoptera, ♂ ad. May 10, 1878 etc.
Colors of parts same as above.
5·25; 7·90; 2·48; 1·96. Bill from nostril, ·37; tarsus, ·72.

Conturniculus passerinus, ♂ ad. May 10, 1878. "Croft House" Garrisons, N.Y. Iris hazel. Bill with base of culmen horn-color; resedien blackish. Legs & feet flesh-color. 5·50; 8·66; 2·52; 1·88. Bill, ·48; tarsus, ·81; middle toe, ·57; its claw, ·15.

No. 1685. Goniaphea ludovicianus ♂ ad. May 9, 1878. H.G. 8·15; 13·40; 4·16; 3·05.

May 11, 1878.

Turdus mustelinus. – Found nest with one egg.
Turdus migratorius. – Saw one whose tail, wings, & back, were more than half white; but could not approach it near enough to shoot.
Turdus swainsoni, & T. fuscescens, Minius carolinensis, Harporhynchus rufus, Sialia sialis, Parus atricapillus, Troglodytes aëdon, Miniotilta varia, Parula americana, – Singing.
Helmitherus vermivorus, – First seen; one shot
Helminthophaga chrysoptera. Utters a penetrating insect-like note which is highly diagnostic; Shot one, and saw several.
Dendroeca caerulescens, maculosa, virens & striata
Perissoglossa tigrina. First seen, Will shot an adult ♂.
Siurus motacilla. Numerous; breeding.
Siurus auricapillus. Very numerous.
Geothlypis trichas
Icteria virens. – Very numerous. – First seen May 7th.
Myiodioctes mitratus, Specimens shot in Putnam Co.
Setophaga ruticilla, Pyranga rubra, Hirundo horrea
Petrochelidon lunifrons. Numerous; First seen the 9th.
Tachycineta bicolor. Flights passing North.
Vireo olivaceous, gilvus, flavifrons & noveboracensis.
Carpodacus purpureus, Chrysomitris tristis,

Melospiza melodia, Spizella, pusilla & socialis.
Zonotrichia albicollis, Passer domesticus, Cyanospiza cyanea, Pipilo erythrophthalmus, Molothrus ater, Agelaeus phoeniceus, Corvus americanus, Cyanurus cristatus, Tyrannus carolinensis, Myiarchus crinitus, Sayornis fuscus, Picus pubescens, Colaptes auratus, Accipiter fuscus, Ceryle alcyon, Coccyzus erythrophthalmus & americanus, Antrostomus vociferus, Chaetura pelasgia, Haliaëtus leucocephalus. – Several were seen; has been frequently seen lately.
Tringoides macularius – Seen in the swamp.
Philohela minor. Numerous & tame in the swamp, tho' the grounds are extremely sloppy.

No. 1686. Helminthophaga chrysoptera, ♂ ad. May 11, 1878, Garrisons, Putnam Co. N.Y. Iris hazel; bill black, with line of commissure & tip of mandible, horn-color; legs & feet yellowish lead-color.
5·25; 8·35; 2·48; 1·92; bill from nostril, ·35; tarsus, ·72.

1687. Helminthophaga ruficapilla, ♀ ad. May 10, 1878. Garrisons, Putnam Co. N.Y. Shot in the big swamp.
1688. Myiodioctes mitratus, ♂ ad. May 10, 1878. H.G. N.Y.
1689. Myiodioctes mitratus, ♂ ad., May 10, 1878, H.G. N.Y.
1690 Icterus baltimore, ♂ ad., May 10, 1878, H.G. N.Y.
1691. Vireo flavifrons, ♂ ad., May 10, 1878, H.G. N.Y.

May 12, 1878.

Helmitherus vermivorus – Several were seen.
Siurus motacilla. Numbers of pairs are breeding.
Icterus spurius. – First seen
Dolichonyx oryzivorus First seen May 5th W.O.

No. 1692. Dendroeca virens, ♂ ad. May 10, 1878. H.G. N.Y.
1693. Turdus mustelinus, ♂ ad., May 10, 1878, H.G. N.Y.
1694. Turdus swainsoni, ♂ ad. May 10, 1878, H.G. N.Y.
1695. Turdus mustelinus, ♂ ad. May 10, 1878. H.G. N.Y.
1696. Pyranga rubra, ♂ ad. May 10, 1878. H.G. N.Y.
1697. Siurus motacilla, ♂ ad. May 11, 1878. Garrisons Putnam Co, N.Y. ("Cat Rocks")

No. 1698. Pyranga rubra, ♂ ad. May 10, 1878. H. S. N.Y.
1699. Icterus baltimore. ♂ juvenis, May 10, 1878. H. S. N.Y.
1700. Agelaëus phœniceus. ♂ juvenis May 11, 1878.
Garrisons, Putnam Co. N.Y.

May 13th, 1878.

Turdus swainsoni. – Numerous
Parus atricapillus. – feeding their young.
Helmitheros vermivorus. – Utters a single shrieky note.
Myiodioctes mitratus. – Very common.
Myiodioctes canadensis. – Several seen.
Petrochelidon lunifrons, Tachycineta bicolor &
Hirundo horreorum. – About Bell's Pond.
Vireo solitarius. – First seen.
Antrostomus vociferus
Accipiter fuscus. – One male seen.

I think I saw a male of Geothlypis Philadelphia (?).

No. 1701. ♂ Agelaëus phœniceus, ♀ ad. May 11, 1878.
Garrisons, Putnam County, N. Y.
1702. Sialia sialis, ♀ ad. May 13th 1878. H. S. N.Y.
Found dead upon her eggs, in a hole made in a pear-tree by Picus pubescens. She must have been grabbed, through the small entrance by the jaws of some cat, and in this way done to death, after a severe struggle, for the sides of the place were splattered with blood.

May 15, 1878.

Turdus swainsoni. Abundant.
Telmatodytes palustris & Troglodytes ædon.
Miniotilta varia. Frequents thick swamps;
utterings a harsh note.
Parula americana
Helmitheros vermivorus – Quite common.

Dendroica ~~coronata~~ caerulescens, virens,
pennsylvanica & maculosa, Turdus aurocapillus.
Turdus motacilla, Found a newly
finished nest, after a long search, and after
several previous failures. So artfully was
it concealed that I looked directly into
it before making its discovery.
Geothlypis trichas. Getting numerous in dry spots.
At first they are only found in the swamps
Icteria virens. One shot. Quite common.
Myiodioctes mitratus & M canadensis – common.
Melospiza palustris. Found in the marsh.
Minus carolinensis. Found a nest containing
two eggs. A few steps farther on, I
found another on which the parent was
sitting, which contained four eggs.
Icterus spurius. – Now common.
Corvus americanus. Very anxious
about their young progeny. At the
first croak of maternal anxiety from
some interested parent, they begin to
assemble from all quarters. I got no
less than 21 (twenty-one) together, by
a very bad imitation of a juvenile
Corvine croak.
Trochilus colubris. Shot young male.
Bonasa umbellus. Drumming.
Ardea virescens – On Salt Marsh.
Colaptes auratus – took seven (7) eggs from nest.
On the 11th. we found several pairs of
Zenaidura carolinensis on the Railroad,
above the chemical works.

No. 1703. Trochilus colubris, ♂ juv. May 15, 1878. H. S. N.Y.
Iris hazel. Bill & feet black.
3·78; 4·12; 1·47; 1·10; gape, ·80.
1704. Myiodioctes mitratus, ♂ ad. May 14, 1878. H. S. N.Y.
Iris hazel. Bill black. Legs & feet brownish

flesh-color. - 5·80; 8·60; 2·58; 2·35.

No. 1705. Myiodioctes mitratus, ♀ ad. May 15, 1878. H. & N.Y.
Iris hazel. Bill with maxilla blackish; mandible horn-color. Legs & feet flesh-color.
5·85; 8·10; 2·48; 2·30.

1706. Dendroica caerulescens, ♂ ad. May 15, 1878. H. & N.Y.
Iris hazel. Bill black. Legs & feet brown.
5·27; 8·16; 2·52, 2.

1707. Helminthophaga chrysoptera, ♂ ad. May 16, 1878.
Highland Falls, N.Y. Colors the same as No. 1686.
5·02; 8·15; 2·45; 1·95. Bill from nostril .33; tarsus, .75

1708. Contopus borealis ♂ ad. May 16, 1878. H. & N.Y.
Iris hazel. Bill with maxilla black; mandible yellow. Legs & feet blackish.
7·37; 12·88;

May 16, 1878

Turdus swainsoni.
Parus atricapillus, Troglodytes aëdon.
Miniotilta varia. —
Parula americana. - Numerous; utters a loud insect-like trilling note
Helmitheros vermivorus. Only one seen.
Helminthophaga chrysoptera. - Several were seen flying about in the tree-tops Afterwards I saw several among the alders of a swamp, whence they after flew up into a neighboring chestnut or elm tree, where they uttered their singular, unique notes, sounding as if produced by some insect. I shot a fine male. Their flight is fluttering and they are remarkably buoyed by swelling out their feathers. The manner of sailing down to the ground from a tree-top is extremely pretty & graceful.

Dendroica virens. - Common
Dendroica caerulescens. - Has not yet been numerous.
Dendroica striata. - Quite frequently observed.
Dendroica pennsylvanica. - Common. Its pleasant ditty is heard on all sides.
Seiurus noveboracensis. - Settled to the breeding haunts
Geothlypis trichas.
Myiodioctes mitratus. - Females now common.
Setophaga ruticilla. - I have noticed all of the females, but have seen no approach to the bright plumage of my specimen - No. 1004.
Icteria virens. - Now abundant.
Vireo flavifrons. - Very common.
Cyanospiza cyanea. - Numerous. Found in the densest swamps in the wilderness.
Contopus borealis - First seen.
One shot. Wild. Sits on top of dry tree.
Trochilus colubris. - Now common
Coccyzus americanus & Ceryle alcyon, etc.

May 18, 1878.

Turdus migratorius.
Turdus mustelinus. - Eggs laid.
Mimus carolinensis. - Settled & nesting.
Harporhynchus rufus. -
Sialia sialis. -
Troglodytes aëdon.
Telmatodytes palustris
Miniotilta varia
Parula americana
Helminthophaga chrysoptera. We heard the Blue Golden-winged Warblers at two widely separated places in Putnam County
Dendroica æstiva. - Quite common in Putnam County; probably much more numerous on that side of the River

Dendroeca virens. - Utters its peculiar song.
Dendroeca caerulescens. -
Dendroeca pennsylvanica. - Singing
Siurus aurocapillus. - Common & vocal.
Siurus motacilla. - Numerous; breeding.
Geothlypis trichas.
Icteria virens. - Very numerous.
Selophaga ruticilla. - excessively common
Pyranga rubra. - Not yet numerous.
Hirundo horreorum. -
Tachycineta bicolor. - Not numerous.
Petrochelidon lunifrons. - Very common.
Ampelis cedrorum. -
Carpodacus purpureus. - Numerous at Osborn's
Chrysomitris tristis.
Coturniculus passerinus. At "Croft House" I started one from the grass, on a sandy hill-top, whence it flew to a brush-heap at the base of an apple tree, where I approached quite close to it to make sure that it was C. passerinus, then backing off I shot it nicely - the first one I have seen alive. A moment after the mal bird rose close to me & lighted on a stone fence, where it stood with neck outstretched, erect, till I came close enough to shoot it, thus securing the first pair of this species that I have ever seen in the Highlands. Will Osborn shot a male near the same place on the 11th.
Melospiza palustris. -
Melospiza melodia. - Saw young just from nest.
Spizella socialis. -
Spizella pusilla. - Eggs laid.
Zonotrichia albicollis. -
Passer domesticus. -
Cyanospiza cyanea. - Very numerous

Pipilo erythrophthalmus
Molothrus ater. - Quite numerous
Agelaeus phoeniceus. -
Dolichonyx oryzivorus. - Very numerous in Putnam County
Sturnella magna. - Several seen & heard at the Osborn's place, where they are probably breeding.
Icterus spurius. - Several pairs seen.
Icterus baltimore. - Nests completed.
Corvus americanus. -
Tyrannus carolinensis. -
Myiarchus crinitus. - Frequently heard. Very numerous in the heronry on Constitution Island.
Sayornis fuscus. -
Empidonax minimus
Ceryle alcyon. -
Trochilus colubris. -
Chordeiles virginianus. -
Antrostomus vociferus. -
Chaetura pelasgia
Coccyzus americanus. - Female shot.
Coccyzus erythrophthalmus. -
Picus pubescens. -
Colaptes auratus. -
Haliaëtus leucocephalus. - "One flew from Gouverneur's Cove to the summit of Cro Nest, when it suddenly dropped" down upon the ledge; "fide" Miss Anna Warner.
Ardea virescens. - Seen in the Heronry on Constitution Island, where they were breeding
Nyctiardea nivaea. - Quite a number of pairs have nested in the Heronry. I shot one bird, and took three sets of eggs - 4, 4, & 5 respectively. Osborn examined a nest which contained but two eggs.

No. 1709. Icteria virens, ♂ ad. May 15, 1878. Fort Montgomery, N.Y. Iris hazel. Bill blue-black. Legs & feet blackish
7·40; 9·90; 2·90; 3. Bill from nostril, ·39; tarsus, 1·05

1710. Picus pubescens, ♀ ad. May 17, 1878. H.S.N.Y. Parent of Set $\frac{c}{5}$, with nest.
Iris reddish hazel. Bill blue-black. Legs & feet lead-color

1711. Vireo flavifrons, ♂ ad. May 16, 1878. H.S.N.Y. Iris hazel. Bill with edge of maxilla & all of mandible but tip, blue; resedien blue-black. Legs & feet bluish lead-color. 5·75; 9·80; 2·94; 2.

1712. Dendroeca virens, ♂ ad. May 15, 1878. H.S.N.Y.

1713. Cyanospiza cyanea, ♂ ad. May 16, 1878. H.S.N.Y.

1714. Cyanospiza cyanea, ♂ juvenis, May 16, 1878. H.S.N.Y.

1715 Coturniculus passerinus, ♀ ad. May 18, 1878. "Croft House", Garrisons, Putnam Co. N.Y. Contained a nearly full sized ovum, proving that it had a nest in the vicinity.
Iris hazel. Bill with maxilla horn-color at base of culmen & edge of maxilla; resedien (of maxilla) blackish. Mandible, legs & feet flesh-color. 5·35; 8·30; 2·27; 1·75. Bill, ·46; gape, ·50; tarsus, ·75

1716. Coturniculus passerinus, ♂ ad. May 18, 1878. Croft House, Putnam county, N.Y. Mated with female above. Iris hazel. Bill with sides of maxilla, horn-color; resedien brownish black; mandible flesh-color. Legs & feet flesh-color. 5·30; 8·60; 2·36; 1·75. Bill, ·48; gape, ·52; tarsus, ·78. Middle toe, ·58; its claw, ·16

1717. Dendroeca aestiva, ♂ ad. May 18, 1878. "Croft House", Putnam Co., N.Y. Iris hazel. Bill with line of gape, horn-color; maxilla black; mandible lead-color. Legs & feet yellowish brown. 5·15; 7·80; 2·33; 1·80.

1718. Dendroeca aestiva, ♂ ad. May 18, 1878. Garrisons, Putnam Co., N.Y. Colors of parts the same as above 5·10; 7·80; 2·34; 1·80.

No. 1719. Nyctiardea nivaea, ♀ ad. May 18, 1878. Constitution Island, Hudson River, N.Y. Contained an egg nearly ready for extrusion. Iris carmine. Bill blue-black. Legs & feet light yellow. 25; 45·25; 11·50; 4·75.
Bill, 2·82. Tarsus, 3·26.

1720. Dolichonyx oryzivorus, ♂ ad. "Croft House" Putnam Co., N.Y. May 18, 1878.
Iris hazel. Bill blue-black on maxilla; sides of maxilla & and mandible bluish horn-color. Legs & feet deep brown.
7·65; 12·10; 3·58; 2·80; gape, ·64; tarsus, 1·10.

1721. Icterus baltimore, ♀ ad. May 18, 1878. Garrisons, Putnam Co. N.Y. Iris hazel. Bill with maxilla black; sides of maxilla and mandible, legs & feet, pale blue.
7·65; 11·85; 3·50; 2·90; Bill, ·73; tarsus, ·93.

May 20.

Contopus virens. – First seen; one shot.
Chaetura pelasgia. – One came this evening and was first seen clinging to the window-sash, tapping at the glass. In this way they are frequently imprisoned between the blind & the glass, where they perish if not discovered & released.

1722. Turdus mustelinus, ♂ ad. May 15, 1878. H.S.N.Y.

1723. Contopus virens, ♂ ad. May 20, 1878. H.S.N.Y. Iris hazel. Bill with maxilla black; mandible yellow. Legs & feet, black.
5·60; 10·95; 3·45; 2·70.

1724. Hirundo horreorum, ♂ ad. May 20, 1878. H.S.N.Y. Iris hazel. 7·35; 12·80; 4·58; 3·60.

1725. Hirundo horreorum, ♂ ad. May 20, 1878. H.S.N.Y.

1726. Hirundo horreorum, ♂ ad. May 20, 1878. H.S.N.Y.

1727. Pyranga rubra, ♂ ad. May 21, 1878. H.S.N.Y. Iris hazel. Bill olive; legs and feet,

lead-color. Bill, .63; tarsus, .80.
7.40; 12.25; 3.87; 2.70. ~~Bill from nostril,~~

No. 1728. Myiarchus crinitus, ♂ ad. May 21, 1878. W.S.N.Y. Bill glossy brownish black, shading lighter at base of mandible. Iris hazel. ~~Bill~~ and feet brownish black
9.05; 13.45; 4.07; 3.75. Bill from nostril, .62; gape 1.09; tarsus, .81.

1729. Icteria virens, ♂ ad May 21, 1878. W.S.N.Y. Iris hazel. Bill blue-black. Legs & feet dark bluish. 7.50; 10; 2.95; 3.
Bill from nostril, .44; Tarsus, 1.04.

1730. Myiodioctes mitratus, ♂ ad. May 21, 1878. W.S.N.Y. Iris hazel. Bill blkish. Legs & feet flesh-color
5.75; 8.10; 2.48; 2.30.

1731. Myiodioctes mitratus, ♂ ad. May 21, 1878. W.S.N.Y. Iris hazel. Bill black.
Legs & feet, flesh-color.
6; 8.75; 2.70; 2.45.

May 22, 1878.

List of Birds Seen at W.S.N.Y.

Turdus migratorius.
Turdus mustelinus. - Full complement of eggs laid in several instances
Turdus swainsoni. — Scarce
Mimus carolinensis. — Sitting.
Harporhynchus rufus. — do
Galeoscoptes felivox. - Incubating second brood.
Troglodytes ædon. -
Telmatodytes palustris. — Shot a bird in the Lonsdale marsh that was in very worn plumage, and covered with dried mud. It was singing vociferously, and was the only one seen.
Miniotilta varia. -
Parula americana. -

Helmitherus vermivorus. -
Dendroica virens. -
Dendroica blackburniae — First seen May 7th. Not again seen till today, when they were numerous and singing.
Dendroica caslanea - First seen, singing its somewhat peculiar notes
Dendroica pennsylvanica. - building.
Seiurus aurocapillus, Laying
Seiurus motacilla, The nest which I discovered ~~yesterday~~ on the 15th. contained five eggs yesterday, and neither parent would approach it. Today I nearly succeeded in capturing the female on her nest but she slipped off just as I was about to place my hand over her, and ran like a mouse down the middle of the stream's bed to the large brook, where it remained without uttering a sound till I approached it, when it flew to a tree, opposite, where it bowed, and chirped in a low tone, till I shot it. The nest was placed under the bank of a small, tributary stream of a large brook. Its position was such that only accident, or the most careful search could discover it. The projecting branches of a laurel bush added its concealment. The nest contained six (6) eggs — quite a large number for such a bird.
Icteria virens -
Geothlypis trichas. — Found a nest in the flags of the Conant marsh, which contained two eggs.
Myiodioctes mitratus. - Numerous. One that I shot yesterday, showed, on dissect-

tion that it had already laid one (or more) egg.
Selophaga ruticilla. — Building
Pyranga rubra. — Singing
Hirundo horreorum —
Tachycineta bicolor. Numerous small bands have been seen. One shot on the Consook marsh.
Petrochelidon lunifrons. —
Vireo olivaceous. —
Corpodacus purpureus. —
Coryzomitris tristis. —
Melospiza melodia. —
Spizella socialis — Breeding
Spizella pusilla. — do
Cyanospiza cyanea
Passer domesticus.
Molothrus ater. —
Agelaeus phoeniceus. —
Icterus baltimore
Icterus spurius —
Corvus americanus. —
Myiarchus crinitus. — Numerous
Tyrannus carolinensis. —
Contopus virens. —
Contopus borealis. — Sits very erect on the dead top of a tree; erecting its crest; rather shy.
Empidonax minimus. — Its spasmodic, bisyllable notes resemble the sobbing of a child & the accompanying effort of the thorax is the same
Empidonax flaviventris — First seen — First the only yellow-bellied Fly catcher I have seen this year
Sayornis fuscus. — Nest under the piazza contains one egg.

Antrostomus vociferus. —
Trochilus colubris. — Numerous.
Chaetura pelasgia. —
Coccyzus americanus. — Numerous
Coccyzus erythrophthalmus. — do.
Reis pubescens. —
Colaptes auratus.
Bonasa umbellus. — Drumming
Fringoides maculatus. —
Ardea virescens. — Found nest hanging in a festoon of grape-vine, that spanned a lonely pool in a swamp by the Hudson River. Female flew off as I approached. Took five eggs which contained large embryos.

May 23.

Turdus aliciae. — First Seen.
Troglodytes aëdon. — Building.
Dendroica blackburniae. — Common; sings a lively little song.
Seiurus motacilla. — Took five slightly incubated eggs from a nest that was placed under some brush & roots in the side of the bank of a small stream that flows into the "Buttermilk falls" brook.
Myiodioctes canadensis. — Not seen lately
Tachycineta bicolor. — Numerous; seen flying late in the evening
Vireo flavifrons. — Numerous.
Melospiza melodia. — Young flying about.
Sonia phea ludoviciana — One male seen.
Icterus spurius. — Common.
Contopus borealis — Still present.
Empidonax minimus. — Only one of the genus seen
Fringoides maculatus. — Probably nesting in the "upper pond"

No. 1732. Turdus migratorius, ♀ ad. Shot from nest. May 21, 1878. H.S.N.Y. Iris hazel. Bill yellow, with tip blackish; legs & feet dark brown. 10; 15·67; 4·75; 3·80. Bill from nostril, ·53. Tarsus, 1·26.

1733. Icterus spurius, ♂ ad. May 21, 1878. H.S.N.Y. Iris hazel. Bill blue-black, with sides of mandible lead-colored at base. Legs & feet dark lead-color. 6·85; 10·05; 3; 2·67. Bill, ·66; tarsus, ·89

1734. Helmitherus vermivorus, ♀ ad. May 22, 1878. H.S.N.Y. Iris hazel. Bill with maxilla black; mandible horn-color. Legs & feet flesh-color. 5·60; 8·62; 2·50; 2·90. Bill from nostril, .39; tarsus, .70.

1735. Pachycineta bicolor, ♂ ad. May 22, 1878. H.S.N.Y.

1736. Helmatodytes palustris, ♂ ad. May 22, 1878. H.S.N.Y.

1737. Dendroica castanea, ♂ ad. May 22, 1878. H.S.N.Y. Iris hazel. Bill & feet blackish. 5·85; 9·30; 2·94; 2·15.

1738. Dendroica blackburniae, ♂ ad. May 22, 1878. H.S.N.Y. Iris hazel. Bill black, with line of commissure & base of mandible, horn-color. Legs & feet brownish black. 5·28; 8·35; 2·63; 1·95.

1739. ~~Empidonax Flaviventris~~ ~~Dendroica blackburniae~~, ♀ ad. May 22, 1878. Iris hazel. Bill with maxilla black; mandible yellow. Legs & feet black. 5·45; 8·20; 2·34; 2·10.

1740. Dendroica blackburniae, ♂ ad. May 22, 1878. Colors of parts the same as No. 1738, above. 5·25; 8·40; 2·68; 2.

1741. Chaetura pelasgia, ♀ ad. May 23, 1878. H.S.N.Y. Iris hazel; bill black. Legs & feet purplish. 5·35; 12·37; 4·78; 1·75.

1742. Icterus spurius, ♂ juv. May 23, 1878. H.S.N.Y. Iris brown. Bill with maxilla & tip of mandible, blue-black; rest of mandible, legs & feet, blue. 7·55; 10·60; 3·05; 3.

No. 1743. Dendroica blackburniae, ♂ ad., May 23, 1878. Iris hazel. Bill black, with base of mandible horn-color. Legs & feet dark yellowish brown. 5·20; 8·40; 2·63; 1·90.

1744. Tyrannus carolinensis, ♂ ad. May 23, 1878. Iris hazel. Bill & feet black 8·75; 14·80; 4·63; 3·60.

May 24,

Geothlypis trichas, Found two nest in the salt marsh rushes, each of which contained four eggs.

Turdus mustelinus. - Seen today at "Echo Lake" & one shot in same place yesterday.

Vireo olivaceus. - Yesterday I found a newly completed nest.

Turdus migratorius, The two nests found measure respectively, 1·25 x 2·95 & 1·40 x 2·70. (inside measurements.)

Megiarchus crinitus. - Quite numerous.

Pipilo pennsylvanicus

May 25, 1878.

List of Birds Seen

Turdus migratorius

Turdus mustelinus. - Breeding.

Turdus aliciae. - Several each at Long Pond.

Mimus carolinensis. - Breeding

Harporhynchus rufus. - Found a nest containing three young & two eggs - 5 in all.

Galeoscoptes carolinensis

Parus atricapillus. - With young

Troglodytes aëdon. - Nesting.

Univolta varia. - Odom shot a female containing an egg.

Helminthophaga chrysoptera. - Several were seen. W. Odom shot a nest

beautiful, adult male, of a pair which were probably nesting in a wet, bushy field, with numerous streams, grown up with willows along their edges.
Dendroeca aestiva. — One seen
Dendroeca virens.
Dendroeca blackburniae. — Numerous
Dendroeca castanea — do
Dendroeca striata do
Dendroeca maculosa. — Several seen.
Dendroeca pennsylvanica. —
Seiurus auricapillus. — Very numerous everywhere; breeding.
Seiurus motacilla. — Several pairs seen along the brooks.
Geothlypis trichas. — Very numerous
Icteria virens. — do
Myiodioctes mitratus
Myiodioctes canadensis. Quite common
Setophaga ruticilla. — Nesting.
Pyranga rubra.
Hirundo horreorum. — Nesting.
Tachycineta bicolor. —
Petrochelidon lunifrons. —
Ampelis cedrorum. —
Vireo olivaceous. —
Vireo noveboracensis. —
Vireo flavifrons. —
Carpodacus purpureus. —
Chrysomitris tristis. —
Melospiza melodia. — Fledged young.
Spizella socialis. —
" pusilla. —
Cyanospiza cyanea. —
Goniaphea ludovicianus. —
Dolichonyx oryzivorus
Molothrus ater

Agelaeus phoeniceus. — Found a nest containing four fresh eggs, at Long Pond.
Cyanurus cristatus. —
Corvus americanus. —
Myiarchus crinitus
Tyrannus carolinensis
Contopus virens
Contopus borealis. — Several seen
Sayornis fuscus. Found nest filled — more than filled — by the newly fledged young ones, which clung upon the edge of the nest, which was situated under a bridge close to the water. The young one flew out as we approached their nest, and were invisible when we emerged from beneath the bridge. The overcrowded nest of, with so many pairs of bright eyes was a very amusing sight.
Empidonax trattli — First Seen.
Empidonax minimus. —
Antrostomus vociferus
Chordeiles virginianus. — For several days seen flying about at all times of day, in the most glairing sun. Uttering its harsh note.
Ceryle alcyon
Chaetura pelasgia
Trochilus colubris. Very common
Coccyzus americanus
Coccyzus erythrophthalmus
Picus pubescens
Colaptes auratus
Buteo pennsylvanicus — One seen
Tringoides macularius
Ardea virescens. — One pair breeding about Long Pond.

No. 1745. Vireo olivaceous, ♂ ad. May 25, 1878. West Point, N.Y. Iris red. Bill with maxilla blue-black; mandible horn-color at base; resedien, light lead-color. Tegs & feet, lead-color.
6·40; 10·20; 3·20; 2·30.

1746. Mniotilta varia. – ♀ ad. May 25, 1878. West Point, N.Y. Contained an egg. Iris hazel. Bill with lines of commissure & base of mandible, horn-color; resedien of bill black. Tegs & feet yellowish brown.
5·35; 8·55; 2·69; 1·95.

1747. Ampelis cedrorum, ♀ ad. May 25, 1878. Eagle Valley, Orange Co, N.Y.
7·30; 12; 3·78; 2·40.

1748. Agelaeus phoeniceus, ♂ ad. May 25, 1878. Long Pond, Orange Co. N.Y. Iris hazel. Bill & feet black.
9·30; 15; 4·60; 3·55.

1749. Agelaeus phoeniceus, ♂ ad. May 25, 1878. Long Pond, Orange County, N.Y. Iris hazel. Bill & feet black.
9·75; 15·60; 4·78; 3·70. Bill, ·89; tarsus, 1·16.

May 27, 1878

Turdus aliciae. – Very common
Turdus swainsoni. – Mostly departed North
Mimus carolinensis. – Breeding very abundantly. Found five (5) nests in a single short walk.
Telmatodytes palustris. – Not as numerous as usual, tho' their numbers have been greatly augmented since my last visit; Building nests.
Carpodacus purpureus. – A pair of these finches have probably began to build on this place.
Melospiza palustris. – One seen on Consook marsh
Myiarchus crinitus
Tringoides macularius. –
Anas obscura. – One flew out of the grass

at the head of the Consook creek.

Received today a Cormorant's sternum from Wm. Osborn. Do not know where it was captured.

Notes

Turdus fuscescens. – Very few have been seen.
Helminthophaga ruficapilla. – The one shot in the big swamp, in Putnam Co is the only one I have seen this year.
No other Helminthophagas than it & chrysoptera have been seen, yet.
Helmitherus vermivorus. – Has been comparatively scarce.
Dendroeca virens. – A pair are probably nesting among the cedars on Mr. Satterlee's place
Dendroeca caerulescens. – Has not been very common
Dendroeca maculosa. – do
Myiodioctes mitratus. – Has been very numerous. Its range probably extends much farther northward, along the Hudson River.
Cotyle riparia. – Has not been seen
Progne purpureus. – do
Vireo solitarius. – ~~Only one~~ has only been seen once.
Agelaeus phoeniceus. – A pair are nesting (three eggs today) in the little marsh north of "Echo Lake".
Contopus borealis. – Has not been scarce.
Coccyzus erythrophthalmus – Found nest today which contained two (2) young – quite large –, which were covered with curious pin-feathers; the bird resembling the wire swab used in gun-cleaning. The parent sat close upon her nest, and, when obliged to leave it, moved away slowly upon the branches, with wings & tail outspread; stopping close to me she uttered for several minutes a low, mournful coo. coo coo coo, and

thus poured forth a series of harsh, loud notes that quickly brought her mate to her side — all the while keeping wings & tail spread out, and bending low on the branch.

No. 1750. Agelaeus phoeniceus, ♀ ad. May 28, 1878.
W. S.I. N.Y. Parent of Set 3 with nest.
Iris hazel. Bill & feet BLK.
8·12; 12·85; 3·85; 2·90. Bill, 73; tarsus, 1·02.

1751. Mimus carolinensis, ♂ ad. Parent of Set 4.
May 28, 1878. Conscok Island, Hudson Riv. N.Y.
Iris hazel. Bill black. Legs & feet deep brown.
8·95; 11·65; 3·55; 3·85.
Bill from nostril, ·48; tarsus, 1·10.

1752. Pyranga rubra, ♂ ad May 28, 1878. W.S.I. N.Y.
Iris hazel. Bill olive. Legs & feet dark lead color.
7·30; 11·85; 3·68; 2·70. Bill, ·63; tarsus, ·75.

1753. Hordus aliciae, ♀ ad. May 28, 1878. W.S.I. N.Y.
7·55; 12·90; 4·02; 3.

1754. Hirundo horreorum, ♀ ad. May 10, 1878. W.S.I. N.Y.

1755. Hirundo horreorum ♀ ad. May 10, 1878. W.S.I. N.Y.

1756. Dendroica pensylvanica, ♂ ad. May 3rd, 1878. W.S.I. N.Y.

1757. Coccyzus erythrophthalmus, ♂ pullus. May 27, 1878. Consook Marsh (swamp) W.S.I. N.Y.

1758. Pyranga rubra, ♂ ad. May 27, 1878. W.S.I. N.Y.

1759. Turdus migratorius, pullus. June 12, 1878
Highland Falls, Orange Co. N.Y.

1760. Setophaga ruticilla, pullus. June 12, 1878. W.S.I. N.Y.

1761. Ampelis cedrorum, ♀ ad. June 12, 1878. W.S.I. N.Y.
Iris reddish hazel. Bill and feet black.
Shot from nest containing 5 fresh eggs.
7·50; 12·22; 3·83; 2·45.

June 15, 1878.

Took nest of Myiodioctes mitratus with 3 fresh eggs.

Helmatodytes palustris. Found a nest

in the Consock Island marsh which had been somewhat modified since its first construction. Its entrance was at the top, having a protecting roof. Several eggs were laid in the original nest, after which they were abandoned and another nest was built upon them.

In building their nests the Marsh Wrens commence with the bottom, cup-shaped structure which resembles an ordinary bird's nest. Then they proceed to build the framework of the dome, etc.

Coelaptes auratus. — Usually playing about.

1762. Myiodioctes mitratus, ♀ ad. June 15th., 1878.
Shot on nest containing three fresh eggs.
Iris hazel. Bill black; brown at base of inandible. Legs & feet flesh-color
5·30; 7·80; 2·34; 2·15.

June 20, 1878.

Sitta carolinensis. Several present
June 25th. do.
June 29th, etc. do.

Goniaphea ludoviciana. Several seen June 25th.

Cyanospiza cyanea. Saw young with striate bellies on June 26th.

July 3rd, 1878.

Carpodacus purpureus
Has been numerous about our place during May & June.

1763. Harporhynchus rufus, pullus. July 6, 1878.
Highland Falls, N.Y.

1764. Setophaga ruticilla, juvenis July 6, 1878.
Highland Falls, N.Y.

1765. Rhinichtla varia, ♀ ad. July 6, 1878. W.S.I. N.Y.

No. 1766, Myiodioctes mitratus, pullus. July 8, 1878. Highland Falls, N. Y. In company with both parents.

1767. Myiodioctes mitratus, pullus. July 8, 1878. Highland Falls, N. Y. In company with both parents.

July 11, 1878.

This evening on entering the "Gouverneur's Cove", north of Garrisons, in company with some ladies, I noticed an eagle (H. leucocephalus) sitting upon the largest hemlock. We rowed noisily to the shore, all ogling the bird, using an opera glass. Having reached the shore, near the tree upon which he sat, we only succeeded in scaring him from his perch by dint of shouting and flourishing our oars. He at last arose, with apparent labor, and flew across to Cro' Nest. Being in the midst of his moult he was in very bad plumage, lacking many feathers of both wing and tail.

Zenaedura carolinensis.

Saw flock of 12–15 individuals arize before a train, just above the Garrisons tunnel.

No. 1768 Sayornis fuscus, ♀ ad. May 3rd, 1878. Shot as she flew from nest in the shaft of an iron-ore mine in "Bear Mountain", Highland Falls, N. Y. The nest was found to contain six partly incubate eggs.

"Coturniculus passerinus (♂?) Garrisons, N. Y. July 16, 1878. No. 14." Wm. C. Osborn.

Mr. Osborn kindly brought the above specimen (a bird of the first year, having breast & sides strongly streaked) for my examination, thinking it might be Coturniculus henslowi.

July 20, 1878.

Visited Consook marsh in company with Osborn. We found Telmatodytes palustris numerous, and laying for a late brood. Several nests that I examined contained fresh eggs.

The Ampelis are feeding largely upon the Elm flies, one of which alights upon my book at the present moment.

No. 1769. Picus pubescens ♀ ad. February 23, 1878. Constitution Island, Hudson River, N. Y. Iris reddish hazel. Bill blue-black. Tarsi and toes greenish 6·87; 12·10; 3·86; 2·49.

1770. Troglodytes aëdon, pullus. August 9, 1878. One of the young reared in the piazza-hole.

1771. Tyrannus carolinensis, ♀ juv. Aug. 26th, 1878. Without orange patch on head. Iris dark hazel; bill & feet blue-black. 8·30; 10·20; 4·35; 3·12.

1772. Sterna fuliginosa ♀ ad Sept. 13, 1878 Found Dead on Constitution Island, Hudson River, N. Y. Iris dark hazel; bill black; legs & feet blackish 17·05; 34·70; 11·1; 6·60.

Notes.

Found Marsh Wrens laying the last of July.

The last of the House Wrens (Troglodytes aëdon) left the hole in the piazza wall about August 15th: they being the third brood.

~~August~~ September 7th, 1878.

Porzana carolina. – One seen on the Consook Marsh; first seen.

Totanus solitarius. – Late this evening I saw a Solitary Tattler go to roost in the grass at the head of the Consook Creek: First seen.

Sept. 9th, 1878.

Saw a Bittern in the Consook Marsh. First seen.

Sept. 23, 1878

List of Birds Seen: –

Turdus migratorius
Turdus mustelinus.
Turdus Swainsoni. Very numerous
Turdus aliciae do
Harporhynchus rufus
Mimus carolinensis
Sialia sialis
Parus atricapillus
Sitta carolinensis. Very common.
Troglodytes aëdon
Telmatodytes palustris.
Mniotilta varia
Parula americana
Dendroeca virens
Dendroeca caerulescens. First seen
Sinus aurocapillus
Geothlypis trichas
Setophaga ruticilla

Pyranga rubra
Ampelis cedrorum
Vireo olivaceous
Carpodacus purpureus
Chrysomitris tristis
Melospiza melodia
Melospiza palustris.
Spizella socialis
Spizella pusilla
Zonotrichia albicollis. First seen.
Passer domesticus.
Pipilo erythrophthalmus
Corvus americanus
Cyanurus cristatus
Sayornis fuscus
Contopus virens
Antrostomus vociferus. Singing
Chaetura pelagica. – Numbers of them have roosted nightly in our chimney. ("and thereby hangs a tall") for a long time past.
Ceryle alcyon
Picus pubescens
Melanerpes erythrocephalus. – Saw an adult bird, as I sat in the Dentist's chair at West Point.
Colaptes auratus.

Today is the first hunt I have got this fall. Warblers seem numerous in the tree-tops.

No. 1773. Ardea herodias, ♀ juv. Sept 23, 1878. Cornwall on the Hudson, N.Y. 43·75; 69·50; 16·75; 7·00. Length to end of toes, 59·00. Bill (from frontal feathers), 5·20; gape, 6·65; tarsus, 7·10 Iris light red. Bill with bare area

Stomach contained a large carp.

around eye, greenish yellow. Maxilla greenish black. Mandible with base dusky greenish; anterior one-half yellow. Tarsi & toes black; soles of feet greenish; bare part of tibia greenish yellow. (Claws, c.f. see top of page

No. 1774. Podilymbus podiceps, ♀ Sept. 23, 1878.
Cornwall on the Hudson
13·10; 21·40; 4·75; 1·60.

1775. Dendroica caerulescens ♂ ad. Sept 23, 1878
N. Y. City, Iris hazel. Bill black
Legs & feet brown. 5·38; 8·25.

1776. Parula americana ♀ Sept 23, 1878.
N. Y. City. 4·80; 7·65.

1777. Charitonetta pelagica # Sept. 23, 1878.
N. Y. City. 5·38; 12·30.

Sept. 28th, 1878.

Regulus calendula. Last seen today.
Ectopistes migratorius. — Still here.

No. 1778. Surdus aliciae ♂ Sept. 28, 1878. N. Y. City.
7·35 X 12·65.

1779. Turdus swainsoni, ♂ September 28, 1878.
N. Y. City. 7·40 X 11·85.

1780. Melospiza fasciata ♀ juv. No indication of any bird for there on theater scene.
8·30 X 15·15 Sept. 28, 1878. N. Y. City.

Sept. 30, 1878

Turdus mustelinus Still here.
Vactura pelagica. Last seen on the 27th. Last year on the 30th.

Oct. 6th, 1878.

Sitta canadensis. One shot.

(Oct. 7th., 1878.

Harporhynchus rufus. (One seen —

No. 1781. Podiceps grisegena holbolli ♂ Oct. 4, 1878.
Hudson River at Cornwall. Iris pale yellow
Bill yellow, with ridge, black — ; feet with dorsal aspect blackish; tibial surface, greenish yellow
20·75; 34·90; 7·35. Heart to end of toe 26·63.
Bill (measured from feather), 1·95; from anterior edge of nostril, 1·35; gape, 2·54 (Culmen from frontal feathers, 2·18 Tarsus (to base of toes where it bends), 2·62, Middle toe from middle of heel to end of nail, 3·00

1782. Podiceps grisegena holbolli ♂. Oct. 7, 1878.
Hudson River at Cornwall. Iris yellow. Bill yellowish, with base & ridge of maxilla, blackish. Legs & feet, greenish yellow; edges of webs black.
22·35; 34·25; 7·30. Bill 2·11. Tarsus, 2·60.

1783. Strix flammea ♀ ad. Oct. 7, 1878. Hudson River at Cornwall. (18·10 X 28·75. E. W. B.)

1784. Surdus fallasi, ♂ October 18, 1878. Smg Smg N.Y.
Iris hazel. 7·73; 11·90; 3·62; 2·85.

1785. Zonotrichia albicollis, ♀ ad. Oct. 18, 1878.
Smg Smg, N. Y. 6·90 X 9·40.

1786. Dendroica coronata, ♂ Oct. 18, 1878.
Smg Smg, N. Y. 5·55 X 8·50.

Notes

Strix flammea, Barn Owl. —

Mr. Edward Conway showed me a mounted specimen of this bird, a fine male, which he had mounted for a man who brought it in on April 13, 1878. The man related that it was shot near his house just as it was about to leave. He brought the specimen

to the city, and called to ask how much it would cost to have it prepared. Mr. Conway replied "three dollars & a half". The following morning the bird was brought to the shop, and left (during Mr. Conway's absence) and Mrs. C. took the gentleman's name, but not the address. The gentleman has not yet (Oct. 18) called for his bird, and it remains uncertain where it came from, tho it is nearly certain that it was obtained very near New York in either New Jersey or New York State. The man's name is Joseph Wilde.

Hydrochelidon fissipes. - Black Tern. - I examined (Oct. 21) the tern shot by Frederic S. Osborn, about September 1st, 1874, at Garrisons, near Constitution Island, N.Y. It was a young specimen. It was shot, with two others from a flock of not less than fifty specimens (Fide W. C. Osborn), that were flying about the Tower Cove.

Parus hudsonius ♂ August 7, 1875.
St. Regis Lake, N.Y. No. 577.
Theodore Roosevelt.

Chrysomitris pinus, ♂ Oct. 17, 1874.
Garrisons, Putnam County, N.Y.
Frederic S. Osborn.

The following dates are extracted from Frederic S. Osborn's journal:
Loxia leucoptera ♂ & ♀ Garrisons, Jan 24, 1875
Pinicola enucleator ♂ & ♀ " do
Shot 2. Sayornis fuscus ♂ " March 28, 1874
Spizella socialis. April 12, 1874 "

Philohela minor April 3, 1874. — Garrisons
Poecetes gramineus April 18, 1874. — "
Molothrus ater do — "
Sphyrapicus varius do — "
Ceryle alcyon Oct. 24, 1874. — "
4 Pinicola enucleator Dec. 12, 1874 — "
Both Loxiae Dec. 28, 1874 — "

Parus atricapillus, Oct. 19, 1878. Saw some Chickadees on the telegraph wires away down Broadway, & we sometimes see Certhia familiaris about.

Ammodromus caudacutus. Wm. C. Osborn shot a fine male specimen on the Consook marshes, on October 12th, 1878.

No. 1787. Spizella monticola ♂ Oct. 26, 1878. Consook Island, Hudson River, N.Y. Iris hazel.
6·47; 9·25; 2·78; 2·70.
1788. Sitta carolinensis, ♂ ad Oct. 26, 1878. H.G.N.Y. Iris hazel. 6·12; 11·05; 3·40; 1·82.
1789. Sitta carolinensis, ♀ Oct 26, 1878 H.G.N.Y. Iris hazel. 6·35; 11·20; 3·45; 1·95.

List of Birds Seen
At Highland Falls, Oct 26th & 27th, 1878.
Turdus migratorius. Only two were seen.
Turdus pallasi. Not abundant.
Sialia sialis.
Regulus satrapa.
Parus atricapillus. Very numerous.
Sitta carolinensis. do
Certhia familiaris do
Dendroica coronata. Common; the only Warbler
Carpodacus purpureus.
Chrysomitris tristis. Abundant

Melospiza melodia. - No other Sparrows were seen on the Consook Marsh.
Spizella monticola. - The first seen
Junco hyemalis. - Very numerous; migrating
Zonotrichia albicollis. - Numerous.
Passerella iliaca - Very numerous
Scolecophagus ferrugineus. -
Corvus americanus. - Migrating in large flocks.
Cyanurus cristatus. Common.
Larus argentatus.

Notes From old Note-book.

Myiodioctes mitratus. - I have noted its presence on September 5th., and 8th., 1874.

Nyctiardea nuevia:- "June 4, 1873. Having heard that the Night Herons were numerous about Cold Spring, I crossed the river with a colored boy, and walked nearly to that place, where I hired a boy to act as guide to the spot where they were nesting. He led us into a long, dense swamp, at the eastern border of Constitution Island. We had proceeded into it but a little way, when we were startled by the loud screams and flapping of a number of Herons, and we immediately discovered a very large number of their nests; and, as we advanced, every limb and crotch that was at all adapted to hold a nest was occupied. The birds were flying wildly about, and the air was filled with their discordant croaking; and now and then a sound was heard - exactly like the barking of a dog. We were astonished at the number of birds and nests. It was the first large

breeding-ground that I had ever examined, and I was delighted. We were, however, rather late for collecting eggs, as the nests nearly all contained young or nearly hatched eggs.

I shot seven adult birds, and collected about two dozens of their eggs. Many birds might have been shot, but I did not wish to destroy more than could be prepared as specimens.

The birds offered no resistance when their nests were being pillaged, but sat at a short distance, in the trees. We examined a large number of nests; by ascending to one, and then swinging to the nearest on the maple, and white birch saplings upon which the nests were constructed. The young, none of which were more than two or three days old, were covered with gray down. The nests contained from 1-4 eggs each, and in three which I examined five eggs were found. The lesser numbers were probably the results of accidents.

We spent the day in the swamp, and were well repaid for our trouble.

The Herons were said to have occupied this ground on the previous year, but were not noticed before. It is to be hoped that they will return next season.

The ground was strewn with dead birds, which had probably been shot by some wanton gunners, for sport. It is to be hoped that the Heronry will not be broken up".

June 6th., 1873. "I witnessed, to-day, a very spirited combat between a Robin that had its nest in the fir tree in front of the house, and a Red Squirrel

"The latter had attempted to climb the tree, when the Robin assaulted him in such a manner as to cause him to drop to the ground, where the struggle continued fiercely till the squirrel reached the trunk of a maple tree, and quickly disappeared among the branches, when the robin returned, triumphant, to her nest and little ones".

Coccyzus erythrophthalmus. – "June 8, 1873. The "Rain Crows" have been crying vociferously from 9 o'clock till now (10.30 p m). In this instance I do not think that the rain will be lacking, as the indications are all favorable. I did not know that they gave their alarm at night".

I have since frequently heard their peculiar notes during the night.

Ardea virescens. – "June 10th., 1873. Found 5 eggs in a nest that was built in a maple tree on the border of the Concord marsh, in a thick swamp. I found this same nest occupied by four young birds, of this species, on the 17th of June, 1873.

Colaptes auratus. – "Took 5 eggs from a Flicker's nest, on the 10th. of May; on the 25th., I took 7 other eggs". (1873)

June 21, 1873

Ardea herodias. – "This evening a Heron flew over the house to the mountain; probably to its regular roosting place, as I have frequently seen it, at the same time, and flying in the same direction".

Nyctiardea naevia. June 26, 1873. To-day I went to Constitution Island, in company with Louis Zeriga, to collect more night herons, but, having reached the spot, we were delayed by a very heavy shower, until so late that little time remained to spend in the swamp. I spent part of the time in making a general examination of the breeding ground. The trees were all white birches & Maples, mostly saplings. On the top of each, a nest was placed. I procured a pair of adult birds, and young ones in different stages of development. I descended & examined the contents of several nests, most of which were deserted & contained young; but in two nests I found eggs, three in each, which were quite fresh. These were possibly a second laying of birds whose nests had been spoiled after the first laying. A number of young birds had fallen to the ground and perished. The ground under the nests was strewn with fishes, some of which were of quite large size. Among them I noticed roach, shiners, carp, Gold fish, and sun-fish. The young seemed very fond of climbing to the extremities of the branches about the nest, and to the top of the trees, and then falling suddenly back into the nest. Their eyes are nearly of the same color as the adults, but the irides are much narrower. An egg that had fallen to the ground was whole & quite fresh. From the circumstance of fresh eggs being found in the nests at this late period, we must infer that the birds sometimes lay more than a single brood in a season, though this may be only in the cases where the first brood has been disturbed.

over

I had much to little time to make any thorough examination into their habits; but will try & do so at some future time, when more time can be taken.

Zenaidura Carolinensis. June 26, 1873. Saw a dove on the railroad track, and am told by the ~~track man~~ flag-man that the doves and pigeons both frequent the railroad track to glean the grain that drops upon the track through chinks in the freight cars.

Spizella socialis. June 30, 1873. I was called (on my way down to the Hudson to bathe) to a certain spot, by the frequently repeated cries of distress from a small bird which proved to be a Chippie (S. socialis), and was surprised to see a bird suspended from a limb of a pine tree (P. rigida), by a long horse-hair. Immediately above, upon the limb, was the nest. The other bird (♂) was flying about uttering mournful wailings, and had evidently remained about the spot for the dead bird showed symptoms of de-composition, and must have been dead a day or two, having evidently hung himself while constructing the nest.

I have known of two other instances in which this bird has killed itself in a similar manner. In one case shown me by Miss. Anna B. Warner, of Constitution Island, the bird was completely netted in the horse-hair, which was wound about its wings in the most inextricable manner.

Setta Carolinensis. July 1, 1873. Saw the first White-bellied nuthatch that I have seen since

last September or August. It has never been absent before, except for a couple of months in Summer.

Dendroica aestiva. July 3, 1873. Saw a yellow warbler, in Mr. E. P. Roe's garden, with a worm in its mouth, flying to its nest, which, however, I did not discover.

Icterus baltimore. July 6, 1873. Found a nest in the wild cherry tree near the house, containing six (6) eggs, which had been pecked and eaten by some other bird.

Aegialitis Tringoides macularius. July 6, 1873. Shot at a ~~Spotted~~ Sandpiper, on the wing, and wounded it so that it fell to the water and swam nearly to the shore. When about two feet from the bank I fired again, and apparently killed it; but my attention being called to a large flock of Red-wings that rose at the last report, on looking for my dead bird, it could not be seen, and I was at a loss to know what had become of it. I could only account for his disappearance by supposing that it had clung to the eel-grass at the bottom, and had not relaxed its hold after death.

Trochilus colubris. Aug. 16, 1873. Saw Doris flying a little ~~bal~~ red balloon in the field, when two humming birds ~~flew~~ dashed at it with the greatest flurry.

Ardea herodias. Aug 26, 1873. Saw several Great Blue Herons on a mud-flat, between Garrisons & Cold Spring. They were chasing each other, and making various grotesque motions. It was a very curious sight. I tried to kill one; but they were too shy.

Nyctiardea nævia. Aug. 26, 1873. Visited the heronry, but the herons had all deserted.

Accipiter fuscus. Sep. 1st, 1873. My attention was called to a small Hawk in the street, opposite the post office. I started in persuit, and, after a prolonged chase among the buildings I succeeded in capturing it, having gotten myself covered with dirt and cobwebs, and my hands somewhat lacerated by its claws. It was a wild, courageous little fellow, and bore the pain of a broken wing with great fortitude & stoicism. He is now sitting before me, watching my slightest movement.

Cyanospiza cyanea. August —, 1873. To-day the Indigo Birds filled the "cat-tail" reeds in vast flocks, in various stages of adult and young plumages

Regulus satrapa. Nov. 2, 1873. Of all the large number of Golden-crowned Kinglets I examined during the past week, none had the deep border to the yellow of the crown.

Bonasa umbellus. Nov. 15, 1873. A Ruffed Grouse was seen to alight, to-day, on the roof of the "Highland Falls Hotel". After receiving a round of about a dozen gun & pistol shots, it flew unharmed away to the woods.

Colymbus torquatus. Nov. 4. Worsted a Loon, and chased it six miles, unsuccessfully.

Larus argentatus. Oct. 9, 1873. Shot an immature Herring Gull as it flew over my boat, beside Consook Island. It fell screaming to the water. I took it into the boat, where it bit my hand, and everything else within reach. I compressed the thorax and produced, as I supposed, death; after which I threw it upon the shore, to prevent its plumage from becoming sullied. I returned to the spot twenty minutes later, and

found my bird gone. I surmised that it had recovered during my absence, and had taken to the water, as its wing was broken so that it could not fly. This was, indeed, the case. I found it swimming about two miles up the river, and only secured it by another shot.

Turdus fallasi, etc. April 28, 1874. Six inches of snow. The Hermit Thrushes were so tame as to come into the Kitchen; and I caught the following birds in the barn: Junco hyemalis, Spizella monticola, Spizella socialis, Melospiza melodia, and Agelaeus phoeniceus.

Sayornis fuscus. - Found nest containing three eggs, on May 3, 1874.

Turdus migratorius. Found nest containing four eggs on May 4, 1874.

Sialia sialis. June 12, 1873. Found nest with 5 eggs.
Spizella socialis. May 17, 1873 Found nest with 4 eggs.
Turdus mustelinus. May 17, 1878 do 3 "
Cygnus Americanus. May 24, 1873 do 4 "
Peteria virens. June 1, 1873 Found nest with 4 eggs
do June 3, 1873 do.

Note.

~~Turdus Aliciae~~. December 29, 1878. Saw a Pine Grosbeak (Pinicola enucleator) and a Lesser Redpoll (Aegiothus linaria) in the Central Park, as I was walking up to the Am. Museum, on 8th. Ave; to see Mr. Robert Ridgway.

Note.

Cygnus Americanus. - There is but one record of the capture of this bird within our limits. That one is furnished by Mr. A. K. Fisher, who states that a Specimen was shot in the Hudson River, near Newburgh, by a gunner, and was brought to his Aunt's house for sale.

No. 1820. Pediœcetes phasianellus (L.) Ell., Sharp-tailed Grouse, Fulton Market, New York City, ♀ ad., February 1, 1879. 17·75 X 27·25.

1821. Pediœcetes phasianellus (L.) Ell. Sharp-tailed Grouse, ♀ ad., Fulton Market, N.Y. City, February ,, 1879.

1822. Ermophila alpestris ~~[illegible]~~ adult, February 1, 1879. 8·05; 13·75; 4·27; 2·90; culmen, ·46; tarsus, ·96. Fulton Market, New York City

February 18, 1879

Dr. Clinton L. Bagg saw a Sparrow Hawk (Falco Sparverius) at the foot of 110th St., at the East River where it appeared to be chasing the House Sparrows (Passer domesticus). It appeared in no wise frightened at the numerous workmen about the docks, and flew about over the river and among the workmen, frequently perching upon some iron pillars on shore.

The Crows were in large numbers on Ward's Island.

Ægiothus linaria. The Lesser Redpolls were numerous in a weedy fields on Ward's Island.

The Crows were in hundreds on the Island.

1823. Picus pubescens ♂ ad., March 3, 1879. Fort Montgomery, N.Y. Iris red. Bill & feet lead-color. 6·70; 11·65; 3·50; 2·60. Bill (gape), ·76; culmen, ·67; tarsus, ·62.

No. 1790 Spatula clypeata ♂ juv. November 9, 1878. Washington Market, N.Y. City. Iris orange. Bill black, with reddish tinge above, on median line. Legs & feet red.
20·10; 32; 9·42; 3·65 Bill from base of frontal
1802 feathers, 2·60. Tarsus, 1·25. Stomach full of Shells.

No. ~~1791~~ Nisus fuscus ♀ November 5, 1878. Barnegat, New Jersey. Iris, cere & legs, yellow.
1. 14; 25·75; 7·70; 6·65. Tarsus, 2·11. Stomach contained Spizella pusilla

179~~2~~ Eusmatura rubida ♀ ad November 15, 1878. Fulton Market, N.Y. City. Bill & feet, blackish 14·80; 21·70; 5·12; 3·10. Bill from base of
2. frontal feathers, 1·55.

179~~3~~ Picus pubescens ♀ ad November 17, 1878. Sing Sing, N.Y. Iris hazel.
3. 6·65; 11·90; 3·60; 2·35.

179~~4~~ Parus atricapillus ♂ Nov. 17, 1878. Sing Sing,
4. N.Y. Iris hazel 5·45; 8·25; 2·50; 2·50.

179~~5~~ Parus atricapillus ♂ Nov. 17, 1878. Sing Sing, N.Y. 5·60; 8·40; 2·52; 2·55.

November 25, 1878.

Saw the following birds in the Central Park: Zonotrichia albicollis quite numerous. Junco hyemalis. Not numerous; frequently seen in our back-yard in 22nd St., in company with Spizella monticola. Parus atricapillus; Regulus satrapa. Mr. C.L. Bagg said he saw a large flock of Ægiothus linaria in the park same afternoon. Turbus ringratorius. Several seen.

I saw Ardea herodias in market on same day.

Louis Zeriga showed me two eggs of Myiarchus crinitus taken in a hole in a tree at his grandfather's place at Westchester, N.Y.

List of Birds Seen at Highland Falls, N. Y. between Nov. 28 & Dec. 2nd, 1878.

Sialia sialis.- Scarce. Two flocks seen; one morning high in the air, and warbling loudly.

Regulus satrapa. Very numerous.

Sitta Carolinensis.

Certhia familiaris. Scarce.

Parus atricapillus. Uttering the Chick-a-de-de-

Carpodacus purpureus. Very scarce.

Melospiza melodia not Abundant.

Spizella monticola. Very numerous; feeding on the seeds of the alder & birch.

Passer domesticus.

Pinicola enucleator. Saw a large flock on the morning of the 29th, close to the gardener's house. They were feeding upon the seeds of the apples, both on the trees and upon the ground. I first heard their call-note, & on looking, saw them feeding upon the ground. They were extremely gentle & unsuspicious, and, tho' I shot several of their number, they remained about the spot. When shot at they uttered a plaintive cry, & sometimes, when feeding a high note resembling that of Carpodacus purpureus (Purple Finch).

Near Fort Montgomery I again saw two individuals flying southward. Still farther on, I shot a couple, male & female, beside Mr. Faurot's house. They were nearly tame enough to be caught by the hand; and when the male was shot, the female flew to the fruit & uttered a low, mournful note, until it shared the fate of its companion. They were quietly picking at some decayed apples by the way-side, when first observed.

I, afterward, encountered a large flock of Pine Grosbeaks, also feeding in an orchard. A single male bird was considerably red in color.

Mr. Wm. Church Osborn obtained two specimens from the flock I met near my house, during the same day. They were a young male (1st yr.) and a female (?).

On November 30th. the Grosbeaks were still seen about my gardener's house, and he (Jacob) shot a fine young male bird. I also shot a female in the morning. These birds were very quiet and gentle in their manners, and so unobtrusive that they could easily be passed by without attracting attention. When part of a little band disturbed, the remaining individuals flew to the nearest tree and sat nearly motionless for a short time; then quietly dropped down, and resumed their occupations.

These birds seemed contented, and not in the least restless. Jacob informed me that he had noticed them about his house several days previous to my arrival from New York. Some of the birds were moulting their tail feathers. Several of the specimens taken had some of the outer rectrices only an inch or two long. These were all the outer ones, and only on one side. The birds seen were, as I have observed on previous occasions, all females & young males. Four of the seven specimens prepared were young males. One was quite red, as mentioned above, and another specimen was in the dullest possible plumage, so that, before dissection, I had no doubt of

its being a female; however by careful dissection it proved a male.
Their flight is floating and graceful.

Legiamus cristatus. Numerous.
Corvus americanus do
Picus pubescens. Quite common; one seen on the 1st. was moulting its rectrices, all of them were just sprouting. A number of species seem to shed the rectrices at this season.
Bonasa umbellus. Two shot.
Plectrophanes nivalis. Have been quite numerous upon the R R track for some time. Mr. W. C. Osborn first saw them Nov. 9th., 1878.
Chrysomitris tristis. Not Abundant.
Zahus argentatus. Very numerous.
Mergus merganser
Bucephala clangula (americana).

The following species were not observed:—
Turdus mustelinus, (Fisher took it at Sing Sing).
Anorthura troglodytes, var. hyemalis.
Dendroica coronata
Chrysomitris pinus. Mr. W. C. Osborn took them November 16th, 1878 at Garrisons (North end of tunnel).
Accipitter Cooperii Mr. W. C. Osborn shot a female on November 9th, 1878, in a grassy field near the "Indian Brook", in company with
Anthus ludovicianus.
Zonotrichia albicollis. But seen at Sing Sing by A. K. Fisher.
Passerella iliaca. Not seen by Fisher.
Colinus borealis. Not seen. Fisher seen by W. C. Osborn, Nov. 9th., 1878.

Note.
Mr. Wm. C. Churchill Osborn informed the Linnaean Society that he observed the Snow Bunting (Plectrophanes nivalis) at Garrisons on Nov. 9, 1878.

1795
No. 1795. Pinicola enucleator, ♂ jun. Nov. 30, 1878. H. & Ely (Shot by Jacob) Iris hazel. Bill & feet blackish; bill horn-color at base of mandible. gape, .65 9.35; 14; 4.40; 3.80. Bill from nostril, .45. Tarsus, 1796. .84. Middle toe, .61; its claw, .32. (Sternum prepared.)
1797. Pinicola enucleator ♀. Nov. 30, 1878. H. & H. N.Y. Colors as above 9.20; 13.75; 4.35; 3.65. Bill from nostril, .43; gape, .62. Tarsus, .86. Middle toe, .62; its claw, .40. (Sternum prepared.)
1798. Pinicola enucleator ♂ jun. Nov. 29, 1878. H. & H. N.Y. Iris bright hazel. Bill black; basal 2/3 of mandible, horn-color. Legs & feet, brownish black. 9.50; 14.50; 4.61; 3.75. Bill from anterior margin of nostril, .44; gape, .62. Tarsus, .88. Middle toe, .63; its claw, .33.
1799. Pinicola enucleator ♀ Nov. 29, 1878. H. & H. N.Y. Colors of parts the same as above (No. 1798). 8.95; 13.45; 4.27; 3.65. Bill from nostril, .42; gape, .54. Tarsus, .86. Middle toe, .65; its claw .35.
1800. Pinicola enucleator ♂ jun. Nov. 29, 1878. Fort Montgomery, N.Y. Colors of parts the same as above except yellowish at base of mandible. 9; 14.05; 4.45; 3.65. Bill from nostril, .43; gape, .58. Tarsus, .92. Middle toe, .64; its claw, .35.
1800. Pinicola enucleator ♂ jun. Nov. 29, 1878. Fort Montgomery, N.Y. Colors like No. 1798. 8.62; 13.62; 4.30; 3.52. Bill from nostril, .40; gape, .57. Tarsus, .84. Middle toe, .63; its claw, .33.
1801. Pinicola enucleator ♀. Nov. 29, 1878. Fort Montgomery, N.Y. Colors the same as above.

8·90; 13·90; 4·35; 3·70. Bill from nostril, ·45; gape, ·60. Tarsus, ·92. Middle toe, ·63; its claw, ·35.

All of the above specimens were quite fat, and in good condition. Their crops contained only the meats of apple-seeds.

No. 1803. Spizella monticola ♂. Nov. 29, 1878. Consook Island, Hudson River, N.Y. 6·55; 9·65; 2·99; 2·90.

1804. Cyanurus cristatus ♀ Nov. 30, 1878. Constitution Marsh, Putnam Co., N.Y. Iris brown. Bill & feet, black. 11·50; 17; 5·10; 5·15. Bill from nostril, ·72; gape, 1·21. Tarsus, 1·48. Middle toe, ·84; its claw, ·38. (Sternum preserved.)

Larus argentatus. Dec. 4, 1878. Saw a beautiful one flying, from my front window, 22nd. St. New York City.

Bonasa umbellus. – When suddenly surprised it remains quite motionless; knowing that the slightest movement would betray its presence, not a muscle is allowed to move; sometimes several of them together are surprised in this way, in which case, they all retain the exact atitude ~~in~~ which they held before they were alarmed. Perhaps some of them were in the act of walking; at the moment of alarm they stopped short – very likely just half way behind a tree or stone.

If the hunter stands still, quite motionless, the birds will retain the same rigid positions for minutes. If one of them stops, with its head just behind a tree, it dares not move it so much as an inch, even to gratify ~~the most~~ its intense curiosity by obtaining a glimpse of its (severe) supposed enemy – this must be a great trial to those individuals

belonging to the female sex; if on the other hand a bird be looking directly toward him, it will be seen with neck extended & feathers pressed closely down, except the crest which sometimes vibrates with suppressed excitement its bright hazel eye looking directly towards him.

Birds Observed in the Vicinity of Highland Falls, N.Y., from December 24, 1878 to January 2nd, 1879.

Sialia sialis. – Abundant; both sexes; feeding on the berries of the Sumach.

Regulus satrapa. – Only one noted at Ft. Montgomery

Parus atricapillus. – Very numerous.

Sitta carolinensis. – Quite numerous.

Anorthura troglodytes, var. hyemalis. One seen.

Carpodacus purpureus. –

Spizella monticola. –

Junco hyemalis. –

Cyanurus cristatus. – Numerous.

Corvus americanus. –

Picus pubescens. –

Falco columbarius. – Two observed.

Haliaëtus leucocephalus. – About West Point.

Bonasa umbellus.

Scops asio. – Heard at night.

Mergus merganser. Numerous in the air-holes

Bucephala americana. – One flock at Iona Island Jany. 2nd., 1879.

Larus argentatus. – Common in the open spots.

Ægiothus linaria. Quite numerous at Highland Falls, and observed along the Railroad at several places, coming to New York.

Plectrophanes nivalis. A flock of five (5) flew over our heads in Mr. Kinsley's

orchard on December 30th., 1878, uttering their wild note.

Pinicola enucleator.— Mr. C. J. Bagg saw a flock of five, among them a fine red male, in Mr. Kinsley's orchard, on December 29th., 1878.

We saw a few females near the same place, on the 30th.

Chrysomitris tristis, Not uncommon.

Specimens collected.

No. 1805. *Ceyanurus cristatus*, ♀ad., Dec. 27, 1878. Comstock Marsh, H.F., N.Y. Iris hazel. Bill & feet, black. 11·75; 16·62; 5·12; 5·25; bill (culmen), 1·14; tarsus, 1·35; middle toe, ·79; its claw, ·34.

1806. *Ceyanurus cristatus*, ♀ad. Dec. 27, 1878. Fort Montgomery, N.Y. 11·65; 16·80; 5·10; 5·25; bill (culmen), 1·07; nostril, ·72; tarsus, 1·30; middle toe, ·75; its claw, ·35. Colors as No. 1805.

1807. *Sitta carolinensis*, ♂ad. Dec. 27, 1878. H.F., N.Y. Iris hazel. Bill blue-black; legs & feet, lead-color. 6·25; 11·30; 3·55; 1·95; bill (culmen), ·76; tarsus, ·72.

1808. *Bonasa umbellus*, ♂ad. Dec. 30, 1878. West Point, N.Y. Iris hazel; Bill dark brown; horn-color on basal ⅔ of mandible; Legs & feet, lead-color.

17·12; 23·35; 7·10; 6·50.

1809. *Ægiothus linaria*, ♂ad. Dec. 30, 1878. West Point, N.Y. Iris dark brown; bill yellow, with black on upper edge of maxilla, towards tip, and on outer ⅓ of mandible, on the median line; bill & feet brownish black.

5·52; 9·10; 2·95; 2·35; bill (culmen), ·37; tarsus, ·55; middle toe & claw, ·55; Middle toe alone, ·36; its claw, ·28.

1810. *Ægiothus linaria*, ♂ jun. H.F., N.Y. Dec. 30, 1878. 5·35; 8·65; 2·78; 2·35; bill, ·35; tarsus, ·55.

No. 1811. *Ægiothus linaria*, ♀ad., Dec. 30, 1878. H.F., N.Y. 5·35; 8·80; 2·82; 2·25; bill, ·36; tarsus, ·57.

1812. *Ægiothus linaria*, ♀ad. Dec. 30, 1878. H.F., N.Y. 5·50; 8·80; 2·82; 2·35; bill, ·37; tarsus, ·56.

1813. *Ægiothus linaria*, ♂ jun. Dec. 30, 1878. H.F., N.Y. 5·60; 9·35; 3·10; 2·45; bill, ·36; tarsus, ·65.

1814. *Ægiothus linaria*, ♂ jun. Dec. 30, 1878. H.F., N.Y. 5·50; 9·05; 2·85; 2·35; bill, ·35; tarsus ·56.

1815. *Ægiothus linaria*, ♀ jun. Dec. 30, 1878. H.F., N.Y. 5·60; 8·85; 2·85; 2·40; bill, ·36; tarsus, ·55.

1816. *Ægiothus linaria* ♀ad. Dec. 30, 1878. H.F., N.Y. 5·15; 8·45; 2·70; 2·25; bill, ·33; tarsus ·52.

1817. *Ægiothus linaria* ♂ jun. Dec. 30, 1878. H.F., N.Y. 5·40; 8·80; 2·85; 2·30; bill, ·35; tarsus ·57.

1818. *Ægiothus linaria* ♀ad. Dec. 30, 1878. H.F., N.Y. 5·12; 8·25; 2·70; 2·15; bill, ·36; tarsus, ·52.

1819. *Larus [illegible]* (European Herring Gull). [illegible] January 26, 1879. Washington Market, New York City. The marketman from whom I bought this specimen told me that it came in a box of ducks from Baltimore, and that they had shot on the James River. Length, 19·50; stretch, 53·60; wing from bend of joint, 9·60; tail, 4·00; culmen 1·42; bill from anterior border of nostril, 1·12; gape, 1·63; tarsus, 1·60; 1st toe (hallux), ·32; its claw, ·17; 2nd toe, 1·67; claw, ·24; 3rd toe (middle), 1·72; claw, ·33; 4th toe, 1·28; claw, ·27. Bill uniformly black; [illegible] & feet

(*Ægiothus linaria*) [illegible] the holiday week, at my store, [illegible] Sunday palings. [illegible] Flock of Linaria [illegible] holidays.

1875.

Zoölogical Journal, and Register of Mammals.

Highland Falls. N.Y. August 1/75

Having devoted a good deal of time to the study of our American Birds, and having derived so much pleasure and instruction from that study, I now purpose to study our Mammals. Their study may perhaps involve more labor, and be a source of less enjoyment than Birds, but, in general importance, it seems to rank even before them.

It may perhaps be better to commence with a list of the few species I have already noticed here, using the nomenclature and numbers of the Smithsonian List.

1. Scalops aquaticus, Linn. – Common Mole.
Common and often seen.

25. Condylura cristata, Ill. – Star-nosed Mole.
Common.

32. Lynx rufus, Raf. – Wild-Cat.
Not uncommon.

38a. Vulpes fulvus var. fulvus. – Red Fox.
Not very abundant; less so than the following.

42. Vulpes (Urocyon) virginianus, Rich. – Gray Fox.
Very common here.

48. Putorius cicognanii. – Small Brown Weasel.
Very abundant.

50. Putorius noveboracensis, De Kay. – White Weasel.
Probably not abundant.

55. Putorius vison, Rich. – Brown Mink.
Common.

58. Lutra canadensis, Sab. – American Otter.
Is said to be not uncommon.

64. Mephitis mephitica. – Common Skunk.
Very abundant.

68. Procyon lotor, Storr. – Common Raccoon.
Very abundant.

73. Didelphys virginiana, Shaw. – Possum.
Quite common.

77. Sciurus carolinensis, Gm. – Gray & Blk Squirrel.
Common.

83. Sciurus hudsonius, Pallas. – Red Squirrel.
Exceedingly abundant.

87. Pteromys volucella, Cuv.(?) – F. flying Squirrel.
Very common.

91. Tamias striatus. – Chipmunk.
Exceedingly abundant.

111. Arctomys monax, Gmelin. – Woodchuck.
Very common.

138. Mus decumanus, Pallas. – Brown Rat.

141. Mus musculus, Linn. – Common Mouse.

170 Arvicola riparia, Ord. - Bank Mouse.
Probably not uncommon. (Meadow .)

188. Fiber zibethicus, Cuv. - Musk Rat.
Exceedingly common.

197 Lepus sylvaticus, - Bachman. - Gray Rabbit.
Exceedingly abundant.

Not on List. (De Kay's name) Vespertilio virginiana - New York Bat.
Very common.

(De Kay's name) Vespertilio subulatus, - Little Brown Bat. (?).
very common

Specimens Collected.

Private No.

1 Sciurus carolinensis, Gm. - Gray Squirrel
Highland Falls N.Y. September 1872 (Mounted)

2 Sciurus carolinensis, Gm. - Black Squirrel.
Washington Market N.Y. Nov. 1872 (Mounted)

3 Pteromys volucella, Cuv. (?) - Flying Squirrel.
Highland Falls N.Y. May 1873 (Mounted)

4 Vespertilio subulatus - Little Brown Bat. (?)
Highland Falls N.Y. August 1873 (Mounted)
No. 509, collection of American Museum of Nat. Hist., N.Y.

5 Vespertilio virginiana, - New York Bat.
Highland Falls N.Y. August 1874 (Mounted)

6 Mus musculus, Linn. - Common Mouse
Highland Falls. Oct. 1872 (In alcohol)

7 Mus decumanus, Palls. Brown Rat.
Highland Falls N.Y. Jan 1873. - Mounted -

8 Tamias striatus. - Chipmunk.
Highland Falls N.Y. September 1874 - Mounted -

9 Sciurus hudsonius, Pallas. - Red Squirrel.
Highland Falls N.Y. January 1875 - Mounted -

10 Mephiticus mephitica, - Common Skunk.
Highland Falls N.Y. December 1874. - Mounted -

11 Vulpes fulvus var. fulvus. - Red Fox.
Highland Falls N.Y. December 9, 1874 - Mounted -

12 Vulpes (Urocyon) virginianus, Rich. - Gray Fox.
Highland Falls N.Y. Nov. 1872 - Mounted -

13 Lynx rufus, Raf. - Wild Cat; Bay Lynx. ♀ ad.
Highland Falls N.Y. (Black-top Mtn.) 1874 - Mounted -
November 29, 1874. Iris yellow. Length to root of tail, $30\frac{8}{16}$; tail to end of hairs, $7\frac{4}{16}$; length to end hind leg, $45\frac{8}{16}$; between bases of ears, $4\frac{14}{16}$; Nose to eye, 2; to ear $4\frac{14}{16}$; Height of ears, $2\frac{11}{16}$; between stretched fore legs, $32\frac{8}{16}$

14 Lynx rufus, Raf. - Wild Cat ♂. "Cat Hollow",
Highland Falls N.Y. April 15/1875. - Skin without skull.
brought to me by "Wash." Springsted.

15 Sciurus carolinensis, Gm. - Gray Squirrel ♀.
Putnam Co. N.Y. Nov 2. 1874. - Skin with skull attached.
Length to root of tail $10\frac{11}{16}$
" from " " " to end of vertebrae $11\frac{15}{16}$
" of hairs, beyond vertebrae $3\frac{8}{16}$

16 Vulpes ~~fulvus~~ (Urocyon) virginianus Rich.
Gray Fox. ♂ Nov. 9. 1875. Highland Falls.
Skin, skull and vertebrae.
Iris grayish-brown.

OVER.

Measurements of No 16.

Tip of nose to —				Tail from anus to end of —		Length between
Eye	Ear	Occip.	Tail.	Vertebrae	Hairs	outstretched fore feet.
2 3/16	4 10/16	5 9/16	24 10/16	13 6/16	17 10/16	25

From nose to end of outstretched hind leg 37 12/16.
Posterior height of ear 2 14/16.

Private Nos.

No 17. Tamias striatus. — ♀ Nov. 12. 1875 H. Falls N.Y.

Nose to —			
Eye	Ear	Occip.	Tail
11/16	1 4/16	1 10/16	5 9/16

Tail to end of — Hairs 4 2/16
" " " " Vertebrae 3 5/16.

No. 18. Sciurus hudsonius Pallas. ♂ Nov. 26. 1875. H.F.

Nose to —			
Eye	Ear	Occip.	Tail
14/16	1 8/16	1 15/16	7

Iris brown
Tail to end Vertebrae — 4 8/16
" " " hairs — 6 8/16

No. 19. Urocyon virginianus Richardson, Feb. 1876 (Skull). Iona Id. Hudson River N. York

No 20 Urocyon virginianus Rich. ♂
Highland Falls. N. York. (Mounted)

Measurements — Tail from root to end of vert. 13 3/16
do do hairs 17 1/16
do, width flattened horizontally, &.

Nose to tail, 25 8/16. — Eye, 2 1/16. — ear, 4 8/16 — occip. 5 8/16.
Posterior height of ear, 3 2/16. Breadth of head between ears, 2 9 1/2/16.

No. 21. Fiber zibethicus Cuv. ♀ (Skull.) March 27 1876. Garison's Putnam Co. N. York.

[illegible] 23. 1876. [illegible]

[illegible]

[illegible] 11 2/16

[illegible] 1876.

[illegible] 1876.

No. 24 Vespertilio carolinensis ♀ Nov 3rd. 1876.

[illegible]

[illegible] noveboracensis

The skull is very large & sutures all closed.

No. 27 [illegible]

[illegible]

April 23rd 1877

The Sciurus striatus have not shown themselves this winter upon a single occasion, although we have had very mild weather. Last winter they were to be seen at any time, in favorable localities, when the sun was shining brightly.

Yesterday I shotted a rabbit (Lepus sylvaticus) from its form, under a heap of sticks.

Yesterday I noticed bats. for the first time this year. I shot a Carolina Bat (Vespertilio carolinensis) this evening.

April 24. 1877.

Found a nest of young gray Squirrels (Sciurus carolinensis), at Putnam Co. N.Y. A leaf-nest occupying the site of an old Hawk's nest. There were three young, one of which, having been thrown from the nest, I preserved in Alcohol. The mother a beautiful large Squirrel, with an elegant tail, showed great courage in defending her young, but she was left unmolested by us.

No. 27. Vespertilio carolinensis. Ead. Apr. 23. 1877. H.A.

Nose to root of tail,	2 53/100.	Wings, expanse,	12 81/100.
do eye	35/100.	Ears, height,	50/100.
do ear	57/100.		
do occiput	85/100.		

No. 30 Vespertilio carolinensis Ead. Apr. 24. 1877. H.A.

Nose to root of tail,	2 50/100	Tail, from root,	1 85/100.
do eye,	36/100	Wings, expanse	12 50/100.
do Ear,	61/100	Ears, height	57/100.
do occiput,	87/100		

No. 31. Vesperugo georgianus
~~Vespertilio Pipistrellus~~ Ead. Apr. 24. 1877. H.A.

Nose to root of tail,	1 58/100.	Tail, from root,	1 4/100.
do eyes,	21/100.	Wings, expanse,	8 75/100.
do ear,	40/100.	Ears, height,	40/100.
do occiput,	55/100.		

May 3rd

Found a large dead tree in the woods, thinking there might be something inside I took it a large Stone and battered on its side, when a flying Squirrel flew out and alighted upon the fork of a tree - trunk where I shot it. Numbers of them were about and flew across from tree to tree on the hill frequently burrowing to and from holes, and running up the largest trees with great swiftness. Supposed to be large Squirrels in the tree, of which I shot four, as they left the tree, but left their nest only once at a time. I was very much delighted at the agility and flight of these, they sailed from down the hillside and straight.

Of the four I shot three were males and all seemed to be full grown animals.

No 32 Didelphis virginiana - Opossum. Ead.
West Point, N. Y. Jan. 30. 1877.

Measurements of Fresh Specimen

Nose to occiput	5 13/16.	Arm, tot. length, meas. from shoulder to	
" " eye	2 5/16	length of fore arm	1
" " ear	5 3/16	from elbow to end of last	5 10/16
" " root of tail	2 0	fore-foot	2 3/16
" " end of pelvis to end of middle	2 7 8/16	Leg, from knee joint to end of last	6 6/16
Tail, from root to end of vertebræ	1 3	Tibia	4 3/16
Ear, height " posteriorly	2 3/16	Hind foot from heel to end	3
" " anteriorly	1 6/16	of claw	
" " from earthus	2 1/16	Weighed about 11 lbs.	
" width	2 8/16		

NO. 33 Putorius noveboracensis End. March 1. 1877
Orange Co. N. Y. - White foliage

Measurements of fresh Specimen

Nose to occiput	2·16
" eye	·72
" Ear	1·52
root of tail	10·24
end of outstretched hind leg	14·28
Tail, from root to end, hairs	7·00
" vertebrae	5·41
Ears, inside, vertically ~~stand~~ stand	·71
" outwardly	·91
" laterally from Head	·80
width	1·00
Eyes, between ears would Measure	7·55
Length of fore-arm	2·17
from elbow to end of claws	·91
fore-foot	1·26
longest claw	·28
Leg, from knee joint to end of claws	2·90
tibia	1·41
hind foot from heel to end of claws	1·49
longest claw	·22

Shot in the act of killing a bird at night

May 11. 1877

Shot a large female red squirrel containing young. Placed it in alcohol to be dissected - was in very worn and faded foliage, and covered with ticks and vermin

Shot a female of Vesperilio subulatus Several of them were seen, also V. carolinensis.
Vesperilio noveboracensis. I have not yet seen, this Spring.

May 12. 1877. Longest Whisker 1 1/2" [illegible] quite large and fat, but not a very (this year's) animal. Would [illegible] 2 Hairs only wounded.

May 13. 1877. Respertilio subulatus, Seen

NO 34 Sciurus hudsonius ♂ A perfect albino. October 25, 1877. Constitution Ill. Hudson River Eyes pink. Tail, from root to end of vertebrae 4 94/100. Longest bristles, 2 20/100. Nose to root of tail 7 6/100. Nose to Eye, 78/100. " " Ear 1 46/100. " " occiput 1 86/100

List of Mammals seen at Locust Grove, Orange County, N.J. from Dec. 21, 1877 - Jan 2nd. 1878.

1. Lepus americanus, Erxl.
2. Vulpes fulvus.
3. Mephitis mephitica
4. Procyon lotor
5. Sciurus carolinensis, Gm.
6. Sciurus hudsonius, Pallas.
7. Tamias striatus
8. Hesperomys leucopus, Wagner.

Jan 13, 1878.

The "Middletown Journal" contained a notice of the capture of a deer near that Place, in Orange County, N.Y.

Wm. Osborn took three specimens of Hesperomys leucopus (White footed Mouse) in the garret of his house, at Garrisons, during the Holiday-week (1877-8)

Sciurus hudsonicus. A Red-Squirrel lives near Mr. Osborn's house. that is a light gray all over. I examined it carefully from a distance of less than ten feet, & it has been noticed by several persons.

No. 35 Actomys monax, Gmelin ♂ juv. June 15, 1877.
Hesher Lake, Rockland County, N.Y. (Mounted)

Length to root of tail	10 50/100
Tail from root to end of vertebrae	3 42/100
hairs	4 85/100
Nose, to eye	16 45/100
ear	1 35/100
occiput	2 30/100
end of outstretched hind leg	3
Length of nazal bristles	1 95/100
Distance between claws across shoulders	12.

No 36 Pteromys volucella Cuv. ♂ May 3, 1877.
Orange Co. N.Y.

Nose to occiput	1 49/100
eye	60/100
ear	1 27/100
root of tail	4 92/100
end of outstretched hind leg	8 3/100
Tail, from root to end of hairs	4 20/100
vertebrae	3 73/100
Ears, height posteriorly	
anteriorly	72/100
internally above skull	78/100
width	56/100
Arm, between claws across shoulders	6 75/100
length of forearm	1 17/100
from elbow to end of claws	1 80/100
for foot	65/100
Leg, from knee joint to end of claws	2 33/100
tibia	1 53/100
hind foot from heel to end of ~~longest claw~~ claws	1 6/100

No. 37 Sinus hudsonius, Pallas. ♂ Jan. 26, 1878.
Garrisons, Putnam Co. N.Y.

Nose to occiput	2·02 ~~1·07~~
eye	·82 ~~·48~~

Nose to ear	1·58
root of tail	6·75
end of outstretched hind leg	11·29
Tail from root to end of hairs	6·91
vertebrae	5·00
Ears, height	·83
to summit of ear-tufts	1·30
width	·63
Arm, between claws, across shoulders	8·04
length of fore arm	1·29
from elbow to end of claws	2·40
fore foot	1·11
Leg, from knee joint to end of claws	3·41
tibia	1·77
hind foot from heel to end of claws	1·74
Length of longest bristles	1·99

No. 38 Hesperomys leucopus, Wagner ♂ ad Jan. 27, 1878. Garrisons, Putnam Co. N.Y. From Wm. C. Osborn. Taken in a box-trap set on a stone-wall, and baited with a hickory nut.

Nose to occiput	1·07
eye	·48
ear	·90
root of tail	3·46
end of outstretched hind leg	5·37
Tail, from root to end of hairs	3·24
Ears, height	·65
width	·49
Arm, between claws, across shoulders	3·61
length of forearm	·53
from elbow to end of claws	·96
fore foot	·43
Leg, from knee joint to end of claws	1·60
tibia	·88
hind foot from heel to end of claws	·69
Longest bristles	1·23

No. 39 Scirrus hudsonius, Pallas. ♀ Feb. 6, 1878
H. S. N. Y. Hunters Skin and entire skeleton

Note

For list of Mammals seen at Fort Miller, New York, see page 284 of Journal

March 23, 1878.

Miss M. Garrettson, of Rhinebeck, N. Y. related the following story about the Weasel: While ~~coming down~~ upon the stairs, in her house she met a weasel carrying with it a large rat. It advanced fearlessly, and she, having the fire-tongs in her hand, siezed the rat, and proceeded to carry it throug the hall, when she saw the weasel following her. Passing through the hall, and across the adjoin apartment, she deposited the dead rat in the library, where the weasel immediately repossessed ~~him~~ itself of its prize. Miss Garrettson then withdrew, shutting the door ~~to allow~~ hoping to be able to discover some of the habits of her fearless guest, but it immediately disappeared, having probably discovered some hole large enough to allow it escape with the booty; but the good lady has never discovered the hole, to this day.

No. 40. Putorius (Lutreola) vison. ♂ jnv. Fort Klamath, Oregon, Lieut. Willis Wittich, U. S. A. January 17, 1878. Skin & skull.

41 Canis familiaris var mastiff. ♂ (One day old) Cragston, H. S. N. Y. January 10, 1878. Skeleton and piece of skin.

No. 42. Scirrus carolinensis ♂ ad. April 3rd, 1878.
Locust Grove, Lewis Co. N. Y.
Nose to occiput, 2·68. Leg, from knee-joint to
eye, 1·21 end of claws, 4·88.
ear, 2·03 Tibia, 2·53.
root of tail, 10·25
end of outstretched hind leg 16·20
Tail from root to end of vertebrae, 9·00; hairs, 12·50.
Ears, height above skull ·98.
Arm, between claws, across shoulders, 11·78.
length of fore-arm, 1·85
from elbow to end of claws, 3·60.
fore foot 1·65.
Hind foot from heel to end of claws, 2·72
Length of longest bristle, 2·61.

No. 43 Scirrus carolinensis ♂ - has been castrated.
April 3rd, 1878. Locus Grove, Lewis, Co., N. Y.
Nose to, occiput, 2·75; eye, 1·22; ear, 2·12; root of tail, 10·75; end of outstretched hind leg, 16·75. Ear, height above skull, 1·00.
Tail from root to end of vertebrae 9·75; hairs, 13.
Complete skeleton preserved.

Notes.

Hesperomys leucopus. Mr. Peter de Nottbeck, Esq., of Fishkill, N. Y. found a nest built on the top of a robin's (T. migratorius) nest, which contained five young, which were nearly as large as the parent, which he secured along with the young ones. The young differed from the young in being of a darker and different color (except the white belly).

Arvicola riparia. Saw a fine specimen in Mr. de Nottbeck's collection, taken at Fishkill,

Mr. James S. Buchanan, taxidermist, showed me four large jars of oil which he took from a seal which he mounted for a Mr. Wood, of New Hamburgh, N. Y. Mr. Wood shot the animal himself at New Hamburgh, in the middle of last winter (1877-8). It was shot on the ice in the middle of the Hudson river. It weighed 60 pounds.

April 24, 1878.

Vespertilio carolinensis. I shot one - a fine male - that made a remarkable exhibition of rage, and a remarkably unpleasant noise, and was remarkably lively and energetic in his motions.

May 5, 1878.

Sciurus hudsonius. - Found a litter of six young ones in an oak-tree, that has been used repeatedly for similar purposes, by the Colaptes auratus. They were quite large and very lively, soft, & pretty.

Hesperomys leucopus! Two taken by W. Osborn in wire trap at their house (in dairy) at Garrisons. Their eyes are very large & bright. They coil up in a round heap before going to sleep; and always have an appearance of roundness.

No. 44. Sciurus hudsonius, ♀ juvenis. May 5, 1878. Highland Falls ("Cragston"), Orange Co., N. Y.

May 25, 1878.

Captured two young specimens of Arctomys monax, (about as large as big rats), alive. One that I kept, alive, at home, died on the following night, of poison from arsenic. It was very gentle after its first alarm at being caught had abated, and was very gentle &

affectionate. Readily ate clover & lettuce sitting on my knee & holding the clover & lettuce in its paws like a Chipmunk. It slept under two bats of cotton, in my own room, and was very lively & well next morning. When ready for church, I put my pet in any museum room, expecting it to sleep quietly upon the floor, in the warm bed I had made for it. But when I returned & searched for the little fellow, I could discover him nowhere; but abundant traces of his industry during my absence: Trays, drawers, boxes, books & bones were tumbled about in a state of the wildest confusion, while bird-skins & eggs (right & the moths, were scattered about the tables. Fortunately, however, none of the eggs were broken, although some of the skins were mutilated & torn in pieces. At length I discovered my pet perched upon the top of some book-shelves. He immediately climbed into my pocket, and ate some clover & drank water. In the evening he was ill, & died in the night, of poison by arsenic.

June 28, 1878.

Scaptanus braueri

To day Will Osborn brought over a living animal of this species which was a perfect albino, having a slight russet tinge posteriorly. It was caught by one of the gardners who saw it digging at their place, at Garrisons. I advised him to send it to "Bell's to be mounted.

1878-79. Note.

"The mice too, how thick their tracks were, that of the white-footed mouse being most abundant; but occasionally there would be a much larger track, black with strides or leaps scarcely more than an inch apart. Who was he? I am half persuaded there is a mouse in our woods that the naturalists do not know about. The hunters say they often see him, while waiting in the runway waiting for the fox, — a small red mouse, quick and shy as a spirit. I have had glimpses of him myself. This is, perhaps, his track, — the finest stitching this snow could lay down to show."

From Scribner's Monthly, Page 189. June, 1878. John Burroughs.

No. 45. Hesperomys leucopus ♂ Nov. 28, 1878 Garrisons, Putnam Co., N.Y. (Skull)

46. Hesperomys leucopus ♂ ad. do (Complete Skeleton prepared).

The above two mice were both taken in a common mouse-trap in Osborn's house, at Garrisons, where they appear to entirely replace the common house mouse.

47. Arctomys monax ♂ juv. May 27, 1878. Orange County, N.Y. (Mounted)

48. Sciurus carolinensis ♀ ad. March 6, 1879. Between Long and Popoplen ponds, Orange County, N.Y.

Measurements.

From tip of nose to eye, 1·26; ear, 2·00; occiput, 2·65; tail, 10·80.
Tail to end of vertebrae 9·00; hair, 12·25.
Length of forefoot, 1·65; hindfoot, 2·20.
Height of ear, 1·17.

Peromyscus leucopus
No. 568 Mounted Am. Mus. Coll.
"No label." No orig no."

No. 38 = 566 Am. Mus. Mounted. Jan. 27

No. 46 probably sent to Nichols?
No. 45 " " probably one of the above
No. 568 Am. Mus. probably one of the above
See original entries.

No. 49. Lepus americanus, var. virginianus ♀ adult. Locust Grove, Lewis County, N.Y. Received from C. G. Bagg, M.D., April 1st, 1879.

Dimensions.

From tip of nose to eye, 1·75; ear, 3·15; occiput, 3·55; tail, 17·75 tail to end of vertebrae, ; hair, 3·00; length of forefoot, 2·60; hindfoot, 4·70 (in part); height of ear, 3·75.
Nasal bristles black at base; tipped white (toward extremity in some cases & in others only extreme base black, with the residue white.
Longest nasal bristle, 4·20
Length from nose to end of outstretched hind leg, 19·20 Length of longest orbital bristle, 5·15
Colors white; slightly reddish on ears, back and hindfeet; considerably so on dorsum of forefeet.

August 21, 1879.

Lieutenant Wittich and myself started for a swim in the Hudson, about four o'clock. On the top of the bank, South of Capt'n Roe's place, I observed an animal of some sort, not a Squirrel, that ran to a large oak-tree, and quickly disappeared among its lower branches; I ran to the bottom of the tree, followed by Wittich, who soon discovered an Ermine crouched upon a low limb, pretty far out from the trunk. We discussed the probabilities of its staying there long enough to allow me to return home for a gun. At length I went to the nearest house, hoping to procure one, but, being disappointed, I ran all the way home, and returned to the spot, where I found both Wittich and

my Ermine in exactly the same attitude that I had last seen. I quickly brought down my prize, with two charges of No. 12 shot, both of which went off although I pulled only one trigger! The beast tumbled sprawling to the ground, where it kicked about till I reached it.

No. 50. Putorius noveboracensis ♂ad. August 21, 1879. Highland Falls, New York.

Dimensions.

Nose, to occiput	2·28
" " eye	·75
" " ear	1·50
" " root of tail	9·40
" " end of outstretched hind-leg.	13·30
Tail, from root to end of haro	6·80
" " " " " vertebrae	5·30
Ears, height posteriorly	·75
" " anteriorly	·89
" " internally above skull	·78
" width	·98
Arm, between claws, across shoulders	7·20
" length of fore-arm	·95
" from elbow to end of claws.	2·10
fore-foot,	1·15
Longest claw,	·21
Leg, from Knee-joint to end of claws	2·93
tibia	~~·70~~
hind-foot from heel to end of claws	1·70
longest claw,	

No. I Lepus sylvaticus ♀ ad. January 10, 1871. Highland Falls, New York. Measurements on page 574.
No. II. Lepus sylvaticus ♂ ad. April 18, 1871. do
No. III. " " ♀ do do
No. IV. Sciurus hudsonicus ♀ ad. February 10, 1871. Highland Falls, New York. Measurements on page 575.

March 26th. N.Y.City.

Putorius (Lutreola) vison. - mink.

To-day, while standing beside Mr. Morgan's pond, in the mountains, watching the movements and colors of some handsome mallards & Geese that were swimming close to where I was standing, a head emerged from the water, and was propelled to the nearest rock that projected out of the water, when the head, shoulders and and body of a fine ol[illegible] appeared upon the edge of the sloping rock, and their owner peered wickedly and ~~gloating~~ at the flock of mallards that was unsuspiciously feeding close by. I was standing with my gun upon my shoulder in plain view, and dared not move lest the Mink should observe me, but for a moment was too eagerly engaged in watching the Ducks to pay any attention to other matters; but at the first movement of my hand upon the stock of my gun, he disappeared with a celerity which could be matched only by one of the Weasels. A moment afterwards I could hear him making his way amongst the loose stones beneath my feet; and he did not again appear, though I waited a long time.

On two occasions I have found a Black or Dusky Duck (Anas obscura) lying dead upon the Conesock Marsh, having a hole eaten beneath its wing, and part of the muscles of the breast eaten. Could this have been the work of the Mink?

No. 51. Putorius noveboracensis. ♂ juvenis
Highland Falls, N.Y., June 12, 1880.
Tip of nose to eye, ·70
do ear, 1·52
do occiput, 2·05
do tail, 9·75
Root of tail to end of hairs, 5·50

November 23d to December 6th, 1880.
Circleville, Ohio.

During my stay of thirteen days in Ohio the following Mammals were noted.
1. Vulpes fulvus. – Red Fox.
2. Mephitis mephitica. – Skunk.
3. Lepus sylvaticus. – Gray Rabbit.
4. Arvicola riparia. – Bank Mouse.
5. Tamias striatus. – One shot on the snow.
6. Sciurus carolinensis. – Abundant. Both Gray & Black varieties.
7. Sciurus vulpinus. Fox Squirrel.

No. 52. Arvicola riparia. ♂ ad. Only one was seen. The dog pointed it and I caught it as it was unable to penetrate the frozen snow. No measurements taken. Nov. 29, 1880

No. 53. Sciurus vulpinus. ♀ ad. This was the only one I shot or saw during my stay though the species is nearly as plentiful as the common Gray Squirrel (Sciurus carolinensis). Dec. 2, 1880

Tip of nose to	eye	1·25
do	ear	2·40
do	occiput	2·90
do	root of tail	12·25
do	end of vertebrae	23·75
do	end of hairs of tail	27·25
Stretch of fore limbs		13·30

Forearm 2·00. Forefoot, 1·82.

Length of leg, 3·25; hind foot, 2·57.
Tail from root to end of vertebrae 10·40
do hairs 14·10
Height of ears, ·93. Width ears, ·93; longest bristles at side muzzle, 2·60.

February 9th, 1881

About ten o'clock in the evening Drs. Clinton L. Bagg and A. K. Fisher and myself were walking down sixth Avenue between 28 and 29th Street, when I saw a Chinaman dancing and jabbering on the side-walk and executing the most wonderful evolutions with the handle of a broom. As near as I could make out he appeared to be striking at a rat, jumping up and down and apparently to be very much excited. Just then I saw what I thought was a wing belonging to the object at which the Chinaman struck. I rushed up and seized what proved to be a Carolina Bat. I turned to ask the man where he had found it, but he ran, and I followed him. He got into his shop and slammed and bolted the door in my face, evidently thinking I intended to do him some mischief. A man from a cigar store next door ran out asked what I intended to do to John Chinaman. I laughed, and said "find out where he caught this bat." He called to the Chinaman, who on inquiry as to where he killed it began to jump up and down and swing his broom to indicate that it had come in and flown round his shop. He would not open the door, but ran to the

farther corner and held a council with his brother Chinaman, who then came forward and shook his head, bolted the door at another place and began to barricade it. Then I left and found my companions convulsed with laughter.

No. 54. Vespertilio carolinensis ♀ ad. Feb. 9, 1881. Sixth Avenue between 28th and 29th Street in New York City.
Length, 4·80; Alar extent, 13·15; Tail, 1·85; Forearm, 1·85; Tibia ·80; Tibial process, ·90; Wing from carpal joint, 3·15.

October 28th, 1881. H.G.N.Y.

To-day tied my horse near Mr. Wm. Faurot's house, and went up among the cedars with my little rifle. I had never killed anything with it before, but in a little while came out with two Red Squirrels, three Robins, and a fine female Gray Squirrel.
The gray squirrel (Sciurus carolinensis) was in a leaf nest, and was not startled out of it until I had shot a bullet through the nest, and then started to climb the tree; but before I had gone a yard up the trunk, the Squirrel darted out and ran down the hill upon the tree-tops. I slipped swiftly to the ground, and a fine male Ruffed Grouse ran from near-by, and stopped in plain view. I could not lay hands on my rifle for a moment, and before I could do so the bird had hidden behind a stump, and finally flew away. I afterwards shot the Gray Squirrel, and, while standing under the tree, heard a

rustling in the leaves a few paces off, and expected to see a Grouse whirr off through the brush, but on looking closely saw a Wild Pigeon (Ectopistes migratorius) standing upon the ground looking at me shyly. Before I could sight my gun it flew to a branch at a distance, and I missed it, when it flew away. Another Ruffed Grouse was afterwards flushed, and I also missed a wing shot at the one I had first started. Blue Jays were rattling the acorns and nuts out of the chestnuts and oaks, and afforded me two more misses. Both species of Kinglet were abundant, and so were Yellow-rumped Warblers, White-throated Sparrows and Purple Finches. There was a large flock of Cedar birds.

No. 55. Sciurus carolinensis. ♀ ad. October 28th, 1881, Highland Falls, N.Y. Sent to Mr. Conway to be mounted. Measurements. — From nose to eye, 1·22; ear, 2·15; occiput, 2·65; end of vertebrae 19·75; end of hairs, 22·65; outstretched hind leg, 16·40. Tail from root to end of vertebrae, 9·75; hairs, 12·65; length of fore foot, 1·82; hind foot, 2·35.

December 5–10, 1881.
Circleville, Ohio.

Of Mammals, Rabbits (Lepus sylvaticus), Gray Squirrels (Sciurus carolinensis), and Bank Mice (Arvicola riparia) were numerous.
One thirteen-lined Gopher (Spermophilus tridecimlineatum) was seen by Mr. Isaiah Hulse on the 9th of December. I saw plenty of their burrows. They

No.

are very abundant here, but seldom seen out in winter.
No Chipmunks were seen.

56. Sciurus carolinensis. ♂ ad Dec. 12, 1881. Dimensions. — Nose to eye, 1·20; ear, 2·07; occiput, 2·67; root of tail, 10·25; end of tail, 22·75; tail from root to end of vertebræ, 8·85; hairs, 12·75; length to end of outstretched hind leg, 16·50; greatest breadth across shoulders, 11·75; length of fore-foot, 1·55.
" " hind- " , 2·40.
Shot in Pulsers woods, Home Farm, Circleville, Ohio.

Highland Falls, N.Y., Jan. 13th, 1882.
To-night was stormy, the snow quite deep, and I returning from town where I had been visiting my patients, when near our gate my pony stopped abruptly, and seemed to be frightened. Looking in the road ahead of the horse, I observed a good sized animal which proved to be an Opossum (Didelphus virginianus) I tried to run my horse upon it several times, but as many times passed over without hurting it, After heading it off in this way several times, I tied my horse, and gave chace on foot, throwing a large stone at it from the stone wall, but the beast easily outran me through the snow. The next day its tracks were still discernable, and diagnostic of its species.

Highland Falls, N.Y. Feb. 20, 1882
The Red Squirrels (Sciurus hudsonius) are now mating, an chasing each other all day,

No.

March 2nd. H.F.N.Y.
Ella shot a Red Squirrel (Sciurus hudsonius). I have marked it female (?) below, but had not examined it very carefully externally. When I came to dissect it, after skinning, I found in its abdomen a long, spirally coiled, white, cartilaginous, shiny body in form resembling a Helix shell. It was tough and elastic, and on being cut into, yielded a milky fluid which resembled spermatic fluid. Before skinning the animal I supposed this substance to be the gravid uterus; but, having never seen abdominal testicles in an animal, I am in doubt whether this was not an organ corresponding to the external testicles. The thing was hastily torn from the abdomen & roughly examined. If I meet with the same formation again I will examine it with more care.

57. Sciurus hudsonius hudsonius. ♀ ad. March 2, 1882. Dimensions. — Nose to end of tail (its hairs), 1·365; root of tail, 7·00; eye, ·78; ear, 1·50; occiput, 1·90; Tail to end of Vertebræ, 4·90; hairs, 6·65; length of fore foot, 1·15; hind foot, 1·62; height of ears above skull (ear itself), ·62.
" " " " " (hairs), 1·05.
length between outstretched fore claws, 8·15.

58. Sciurus hudsonius hudsonius. ♂ ad. April 16, 1882. H.F.N.Y. Shot by Ella W. Weaver. Dimensions. — Nose to end of tail (its hairs), 14·75; root of tail, 7·50; eye, ·82; ear, 1·58; occiput, 2·03. Tail to end of vertebræ 4·95; hairs, 7·00; length of fore foot 1·30; hind foot, 1·78; height of ears above skull: ear itself, ·72; its hairs, 1·05.

1882.

April 16th - Continued

length between outstretched fore claws, 8·50.

Ella shot it, as it came out of an unusually large nest, in a red cedar tree, into which we had previously seen it go. I threw the nest down afterwards, and found it to be empty.

April 19th. N. Stony.

On March 19th, 1882, I made in my ornithological journal, p. 296 the following note: "A Red Squirrel (Sciurus hudsonius) was seen to come and climb up the pole covered with rose-vines to the bird-house, where he may have gone to look for birds' Eggs or to deposit store of food, or possibly to form a nest for himself."

To-day two English Sparrows, ♂♀, were making a great fuss about the bird-house. I went down and shot both of them, and then got a ladder, and climbed up and examined the nests which it contained. One apartment was literally filled with grasses, papers and bits of rags. I pulled a great lot of it out, and then found a large family of young Red Squirrels whose eyes were not yet open. I wished to count them, but could not do so without pulling their nest in pieces, and so after carrying one little fellow up to the house and showing it to my wife and mother, returned it to the nest,

and left the family safe. The old Squirrel was nowhere about. The young were bright colored, and cried out lustily when drawn from their nest, and scrambled back with great alacrity, although not able to see. They were unhaired and their tails were nearly bare, and their heads seemed disproportionately large.

May 2d N. Stony.

Tamias striatus. - A young one half as large as its mother was seen on a fence, playing with the old one. They must breed early!

August 1st. N. Stony.

This morning Mr. Harry Brooks, who is staying at my house, brought me in a fine adult Ermine (Putorius noveboracensis), which he shot near by, from a large tree. It was first seen near the top, but stopped upon one of the lower limbs, where it was shot.

No. 59 Putorius noveboracensis, ♂ ad., Aug. 1st, 1882, Highland Falls, New York.

Dimensions.

Nose, to occiput	2·32
" " eye	·80
" " ear	1·55
" " root of tail	10·90
" " end " "	18·30
" " " " outstretched hind-leg	15·00
Tail, from root to end of hairs,	7·40
" " " " " " vertebrae	6·10

over

1882

Ears, height posteriorly,	·95
" " anteriorly,	·83
" " internally above skull,	—?
" width,	1·25
Arm, between claws, across shoulders,	8·30
" length of fore-arm,	1·10
" from elbow to end of claws,	2·40
Longest claw,	·28
Fore-foot,	1·30
Leg, from knee-joint to end of claws,	3·40
Tibia	1·90
Hind foot from heel to end of claws,	1·85
Longest claw,	·25

This is considerably larger than other specimens which I have examined. The measurements of the ears of this and other specimens are to be looked upon with some suspicion, as I am uncertain as to the exact method employed by mammalogists in taking those measurements. The measurement of tibia is taken to the anterior ankle-joint, while the measurement of the hind-foot are from the os calcis at the posterior extremity of the heel. This is the reason why the two measurements of tibia and hind foot taken together or > "~~hind foot from heel~~ Leg from knee-joint to end of claws," are unequal to the single measurement

Sept. 5, 1882. H.G., N. York.

Arctomus monax. — This evening, as I was skirting a swampy meadow on Mr. Chas. Tracy's place in search of specimens of Lady's Tresses (Spiranthes) for my wife's herbarium, I suddenly came

upon a Woodchuck feeding in the grass. I was standing beside his burrow. He ran a little way towards me, then stopped. My first impression was that he had come to his burrow and stopped a moment at the entrace before popping into it, as they sometimes do; but as it did not move, but crouched low and flat upon the grass, I took in the situation: I was standing between him and his burrow, and he did not propose to run away. I looked around for a suitable stick wherwith to make an attack, but none was at hand. Then I selected a number of stones of which there were plenty, picking them carefully and those of large size. The Ground Hog looked as if he meant business; and when I approached him I saw that he did, for no sooner did I advance than he came for me full tilt. I threw a heavy stone, but he came on too fast. The stone struck behind him. He advance, in fact, with so much celerity that I backed rapidly to one side and he followed. I threw a second large stone feebly towards the beast, and then ran. He turned and ran into his burrow

1882.

which opened in an horizontal recess in a ledge, some three feet above the ground.

September 7th. H. T., M. C.

No. 60. Arctomys monax. ♂ juv. To-day Ella and I went after the Woodchuck. We found them, and Ella shot him. Mounted.

The following mammals, preserved in alcohol, are not recorded, although labeled in the alcohol.

No. 61. Blarina brevicauda (Say) Baird. Short-tailed Shrew. I killed it at Highland Falls, on May 14th, 1878, as it was running upon the highway.

No. 62. Blarina angusticeps Baird. Highland Falls, June 7, 1882.

No. 63 Blarina angusticeps Baird. Highland Falls N.Y., June 7, 1882.

No. 64 Arvicola riparius Ord. Common Meadow mouse. Found at a hay-pole, on Constitution marsh, where it was caught by a Red-tailed Hawk (Buteo borealis). November 24th, 1877.

No. 65. Arvicola riparius Ord juvenis Caught in hay-field, at the Mearns House, on July 10, 1877.

Nos. 66-68. Arvicola riparius Ord. juvenis. Three young specimens presented by the Doctor's boy "George". Label in the bottle.

over to p. 536.

Mammals

of the

Hudson Highlands

At page 500 of this Journal, under date of August 1st, 1875, I gave a list of twenty-four (24) species of Mammals which I had then ascertained to inhabit the Hudson Highlands.

Since that time, more than seven years having elapsed, a number of additional species have been taken in this region.

The following is a list of all the species positively known to inhabit the Hudson Highlands.

There being no recent work treating of all of our Mammals which might be taken as an authority on nomenclature, I have adopted that of the latest works. The authority and page of the author whose name has been taken, is given under the numerals in brackets, and applies to the following works.

Merriam. Vertebrates of the Adirondack Region < Trans. Lin. Soc., vol. I^st ser.

Baird. Vol. 8 Pacific R.R. Reports.

Gordon. Manual of Vertebrates 2nd Ed. 1880.

Coues. Insectivorous Mammals < Bul. Hayden.

Allen Monographs Rodentia. Vol. XI. Hayd.

1. Lynx canadensis (Desm.) Raf.
[Merriam, p. 40] Canada Lynx.

2. Lynx rufus (Gmelin) Raf.
[Merriam, p. 44] Wild Cat; Bay Lynx; "Chat Cervier."

3. Vulpes vulgaris pennsylvanicus (Bodd.) Coues.
[Merriam, p. 45] Fox; Red Fox; Cross Fox; Silver Fox; Black Fox.

4. Vulpes (Urocyon) virginianus.
[Baird, p. 138] Gray Fox.

5. Putorius vulgaris (Aldrov.) Griff.
[Merriam, p. 54] Least Weasel.

6. Putorius erminea (Linn.) Cuvier.
[Merriam, p. 56] Ermine; Stoat; Large Weasel; White Weasel; "Brown Weasel."

7. Putorius vison (Brisson) Gapper.
[Merriam, p. 64] Mink.

8. Mephitis mephitica (Shaw) Baird.
[Merriam, p. 69] Skunk.

9. Lutra canadensis Turton.
[Merriam, p. 87.] Otter.

10. Procyon lotor (Linn.) Storer.
[Merriam, p. 91.] Raccoon.

11. Phoca vitulina Linnaeus.
[Merriam, p. 104.] Harbor Seal.

12. Vespertilio subulatus Say.
[Jordan, p. 22.] Little Brown Bat.

13. Vespertilio noctivagans LeC.
[Jordan, p. 23.] Silver Black Bat.

14. Vespertilio fuscus Beauv.
[Jordan, p. 23.] Carolina Bat; Dusky Bat.

15. Atalapha noveboracensis (Erxl.) Coues.
[Jordan, p. 24.] Red Bat.

16. Scalops aquaticus (L.)
[Coues, p. 633] Common Mole.

17. Scapanus Breweri (Bach.)
[Coues, p. 634.] Hairy-tailed Mole.

18. Condylura cristata (L.)
[Coues, p. 634.] Star-nosed Mole.

19. Blarina brevicauda (Say) Baird.
[Jordan, p. 352.] Short-tailed Shrew.

20. Blarina angusticeps Baird.
[Jordan, p. 352; Baird, p. 47] New England Short-tailed Shrew.

21. Sciuropterus volucella (Pall.) Geoff.
[Allen, p. 655.] American Flying Squirrel; Southern Flying Squirrel.

22. Sciurus hudsonius Pallas.
[Allen, p. 672.] Eastern Chickaree; "Red Squirrel."

23. Sciurus carolinensis leucotis (Gapper) Allen.
[Allen, p. 700.] Northern Gray Squirrel; Black Squirrel.

24. Tamias striatus (Linn.) Baird.
[Allen, p. 782.] Striped Squirrel; Common Chipmunk.

25. Arctomys monax (Linn.) Schreber.
[Allen, p. 911.] Woodchuck; "Ground Hog."

26. Zapus hudsonius (Zimmermann) Coues.
[Jordan, p. 30] Jumping Mouse.

27. Mus decumanus Pallas.
[Jordan, p. 31.] Brown or Norway Rat.

28. Mus musculus Linnæus
[Jordan, p. 31.] Common House Mouse.

29. Hesperomys leucopus (Raf.) Le C.
Deer Mouse; White-footed Mouse.

30. Arvicola riparius Ord.
Common American Meadow Mouse.

31. Fiber Zibethicus (L.) Cuv.
Muskrat; Musquash.

32. Lepus sylvaticus Bachman.
Gray Rabbit.

33. Didelphys virginiana Shaw.
Common Opossum.

"Mearns House," Edgar A. Mearns, M.D.
Highland Falls, N.Y.
December 18th, 1882.

Having just finished a careful examination of all the M.S.S. notes, and handled every specimen of our vertebrate Animals, I am able to make a correct report upon all of the Vertebrates which I have detected within the limits of the Hudson Highlands. I have catalogued the different classes separately, and written notes upon their habits and distribution. The five classes detected (The Sea Horse has been taken at Sing Sing, N.Y., in the Hudson River, and represents a sixth Class) number as follows:—

	Specimens.	Species.
Mammals	81.	33.
Birds	2,471.	211.
Reptiles	23.	19.
Batrachians	73.	17.
Fishes	181.	39.
Total	2,829.	319.

Varieties are not counted in the above enumeration.

"Mearns House" Edgar A. Mearns, M.D.
Highland Falls, N.Y.
December 18th, 1882.

No. 69. Homo sapiens ♂ juv. (in Alcohol.)
March 7th, 1879. Highland Falls, N.Y.

No. 70. Homo sapiens Embryo (in alcohol.)
Highland Falls, N.Y. May, 1880.

No. 71. Condylura cristata (L.)
Star-nosed Mole.
Highland Falls, N.Y. July 12, 1880.

No. 72. Vespertilio fuscus Beauv.
Carolina Bat; Dusky Bat.
Highland Falls, N.Y. Caught in the parlor at Mearns House. June 23, 1878.

Nos. 73, 74. Sciurus hudsonius Pallas. jun.
Eastern Chickaree; "Red Squirrel."
Highland Falls, N.Y. May 7, 1877.

Nos. 75–80. ? Arvicola riparius Ord. jun.
Common American Meadow Mouse.
These six young mice, taken from nest in hay-field, at Highland Falls, N.Y., on July 9th, 1877, are probably of the above species; but their parents were not seen.

No. 81. Sciurus carolinensis leucotis (Gapper) Allen. jun. Northern Gray Squirrel; Black Squirrel.
Taken from a leaf-nest. The date will be found among my bird notes. Will Osborn and myself were driving near Garrisons, in the old express, behind "Dan", near Sugar Loaf mountain, when we found a "Hawk's nest". A boy in the wagon climbed the tree for us. He threw the nest down. It was built in a deciduous tree, and filled with leaves, and in it were several young ones. While I was examining them the old one

[illegible] p. 106.
came. She was absolutely and utterly fearless, came straight to me, took a young one and made off with it. She had a splendid tail and showed it beautifully. It was a pretty sight.

No. 82. [illegible]
[illegible] Highland Falls, N.Y., Sept. 1, 1877.

No. 3. [illegible]
Highland Falls, N.Y., Oct. 4, 1877.
Head (skull + skin) in [illegible]

No. 4. [illegible]
[illegible] Highland Falls, N.Y. Nov. 11, 1877. [illegible]

No. 5. [illegible]
Highland Falls, N.Y. [illegible], 1877.
See page 517. Mounted.

February 17th, 1883.

To-day, I shot a large, very gray female and handsome Gray Squirrel (Sciurus carolinensis leucotis). I saw her when a good way off. She had a magnificent tail, and sat out upon a slender branch of a good-sized tree eating a nut. Although the snow was deep and crusty, I was able to get within range without difficulty, and brought her down dead before she moved. I ran toward the spot, but saw her tail sticking up above the snow; and then knew she was unable to crawl away

from me into the rocks. The locality was the same in which I shot No. 55, also a female with my little Stevens rifle. There was a good-sized leaf-nest close to the spot where I shot this one; and I suspect that she lived in it this winter. I was unwilling to climb the tree to-day, or I might have ascertained whether she lived there, or not. I have never yet proved that they do inhabit leaf-nests in winter; and I intend to go down and ascertain the fact if possible.

No. 86. Sciurus carolinensis leucotis Qud. February 17th, 1883. Faurot's woods, near Highland Falls, New York. Rutting.

Dimensions:—

Tip of nose to eye,	1·24.
Tip of nose to ear,	2·27.
Tip of nose to occiput,	2·70.
Tip of nose to root of tail,	11·00.
Tip of nose to end of vertebrae,	20·95.
Tip of nose to end of hairs of tail	24·60.
Tip of nose to end of outstretched hind-foot,	16·90.
Stretch of fore limbs (between tips of claws),	12·35.
Forearm, 2·13. Forefoot,	1·88.
Length of leg, 2·95. Hindfoot,	2·72.
Tail, from root to end of vertebrae,	10·00
Tail, from root to end of hairs,	13·60
Height of ears, 1·05. Breadth of ears,	·85
Longest bristle at side of muzzle,	2·43.

Iris, from above downwards (= vertical diameter), ·34; antero-posterior, ·36.

Note.—The measurement of forearm is taken from the end of the olecranon to the wrist-joint. The leg is measured from the knee-joint to the ankle-joint anteriorly; but the hindfoot is measured below from the end of the heel to the end of longest claw. The height of ear is measured below, from the base of the tragus; the width its widest stretch.

April 17th. Highland Falls, N.Y.

No. 87. Putorius Erminea (Linn.) Cuvier. Qud. Highland Falls, N.Y. April 17th, 1883.

Dimensions:—

Nose to occiput,	2·25.
" " eye,	·77.
" " ear,	1·55.
" " root of tail,	10·50.
" " end of tail,	17·25.
" " " " outstretched hind-leg,	14·60.
Tail, from root to end of hairs,	6·75.
" " " " " " vertebrae,	5·30.
Ears, height posteriorly,	·91.
" " anteriorly,	·80.
" width,	1·20.
Arm, between end claws across shoulders,	8·05.
" length of fore-arm,	1·05.
" from elbow to end of claws,	2·38.
Longest claw,	·28.
Fore-foot,	1·20.
Leg, from knee-joint to end of claws,	3·20.
Tibia,	1·78.
Hind-foot from heel to end of claws	1·75.
Longest claw,	·23.

Measurements taken as in No. 57, which see (p. 528 after measurements).

Although so late in the season, white hairs, few however, ~~wher~~ were scattered through the entire pelage, and one foot was about one-half white.

My wife shot the above specimen. It

came out of some loose stones at the base of a big boulder, and appeared as if necessary, as we were crossing a high ledge between pursuer & pursued. It was perfectly fearless. It came slowly up to within a few feet (about six) of me and looked steadfastly up at me. Then it tossed up its nose and sniffed the air. A crow cawed loudly, and at once caught my friend's attention, for it instantly started and turned towards the sound. Then it ran under the boulder again and kept continually running out and in, appearing alternately at one end and another, snake-like in its motions, head held horizontally, and eyes fixed upon us. Then it ran along the bottom of the ledge and disappeared after we had watched it for some minutes. Later we saw it playing among the rocks at a distance on the same ledge. We again approached close to it, and watched it for some time as it ran actively about upon and among the rocks, till at length, when it had gone far enough away from her, Ellen shot it on a stone wall. It ran a little way, and then fell over, dead.

No. 88. Putorius noveboracensis.
Hunter's skin given me by Mr. Redner, who shot the animal near Poplopen's Pond, Orange Co., New York, in 1883.

No. 89. Condylura cristata L. pivoris
Ploughed up out of the ground. The date

and note concerning these specimens is on page of Journal, vol.

No. 90. Condylura cristata L. pivoris.
Highland Falls, Orange Co., N.Y.

No. 91. Spermophilus grammurus (Say) Bachman.
Rocky Mountain Line-tailed Spermophile. Ad.
Prescott, Arizona. March 22, 1884. E.A.M.

No. 92. Lepus sylvaticus arizonae. Desert Hare. Ad.
Fort Verde, Arizona. April 8, 1884. E.A.M.

No. 93. Tamias harrisii (Aud. & Bach.) Allen. Harris's Chipmunk. Ad. Fort Verde, Arizona. April 8, 1884.

No. 94. Tamias harrisii (Aud. & Bach.) Allen. Harris's Chipmunk. Ad. Fort Verde, Arizona. April 8, 1884.

No. 95. Tamias dorsalis dorsalis. Say's Chipmunk. Ad. Fort Apache Barracks, Arizona. April 21, 1884.

No. 96. Eutamias quadrivittatus columbianus Gray, from Mr. Herbert Deering. Squirrel. Ad. Spaulding's, on the Agua Fria, Maricopa Co., Arizona. April 25, 1884.

No. 97. Myotis yumanensis (H. Allen).
Bat. Ad. Fort Verde, Arizona, May 6, 1884.

No. 98. Spermophilus grammurus (Say) Bachman.
Rocky Mountain Line-tailed Spermophile. Ad.
Coit's Rocks, 4 miles north of Fort Apache, Arizona, May 9.

No. 99. Spermophilus grammurus Say, Bachman.
Rocky Mountain Line-tailed Spermophile. Ad.
Copper-Canon, 6 miles west of Fort Verde, Arizona, May 8, 1884.

No. 100. Antrozous pallidus
Long-eared Bat. Ad. Fort Verde, Arizona, May 23, 1884.

No. 101. Long-eared Bat. Ad. Fort Verde, Arizona, May 23, 1884. Antrozous pallidus.

No. 102. Lepus sylvaticus arizonae. Desert Hare. Adult.
Fort Verde, Arizona. May 29 1884.

No. 103. Thomomys talpoides umbrinus. Southern Pocket Gopher. ♀ ad. Fort Verde, Arizona, June 8, 1884.

No. 104. Lepus callotis texianus. Northern Jackass Hare. ♀ juv. Ft. Verde, Arizona, June 16, 1884.

No. 105. Lepus sylvaticus arizonae. Desert Hare. ♀ juv. Fort Verde, Arizona. June 26, 1884.

No. 106. Fiber zibethicus. Muskrat. ♂ ad. Fort Verde, Arizona, June 26, 1884.

No. 107. Tamias harrisi Ord. & Bach. Allen Harris's Chipmunk. ♀ juv. Fort Verde, Arizona, July 2, 1884.

No. 108. Mus musculus. House Mouse. ♀ juv. Fort Verde, Arizona. July 13, 1884.

No. 109. Mus musculus. House Mouse. ♂ ad. Fort Verde, Arizona. July 13, 1884.

No. 110. Conyrhinus macrotis pallescens Miller. Long-eared Bat. ♀ juv. Fort Verde, Arizona. July 15, 1884.

No. 111. Antrozous pallidus. Long-eared Bat. ♀ juv. Fort Verde, Arizona July 26, 1884.

No. 112 Antrozous pallidus. Long-eared Bat. ♂ juv. Fort Verde, Arizona. July 26, 1884.

No. 113. Antrozous pallidus. Long-eared Bat. ♀ juv. Fort Verde, Arizona. July 26, 1884.

No. 114. Antrozous pallidus. Long-eared Bat. ♀ ad. Fort Verde, Arizona. Aug. 10, 1884.

No. 115. Myotis yumanensis (H. Allen). Little Bat. ♂ ad.? Fort Verde, Arizona. Aug. 10, 1884.

No. 116. Antrozous pallidus. Long-eared Bat. ♂ ad. Fort Verde, Arizona Aug. 12, 1884.

No. 117. Antrozous pallidus. Long-eared Bat. ♂ ad. Fort Verde, Arizona. Aug. 12, 1884.

No. 118. Myotis lucifugus ~~carissimus~~? Little Bat. ♀ ad. Fort Verde, Arizona, August 15, 1884.

No. 119. Thermophilus grammurus (Say) Baeliman. Rocky Mountain Tree-tailed Spermophile. ♀ ad. Fort Verde, Arizona. August 19, 1884.

No. 120. Castor fiber canadensis. American Beaver. ♂ ad. Verde River near Fort Verde, Arizona. August 19, 1884. Beaver dyke, works.

No. 121. Antrozous pallidus. Long-eared Bat. ♀ juv. Fort Verde, Arizona. August 19, 1884.

No. 122. Castor fiber canadensis. American Beaver. ♀ juv. Fort Verde, Arizona. August 19, 1884.

No. 123. Castor fiber canadensis. American Beaver. ♂ juv. Fort Verde, Arizona. Sept. 10, 1884.

No. 124. Antrozous pallidus. Long-eared Bat. ♀ ad. Fort Verde, Arizona. Sept. 15, 1884.

No. 125. Tamias harrisi Ord. & Bach. Allen Harris's Chipmunk. ♂ ad. Fort Verde, Arizona. Sept. 17, 1884.

No. 126. Lepus sylvaticus arizonae. Desert Hare. ♀ ad. Fort Verde, Arizona. September 17, 1884.

No. 127. Antrozous pallidus. Long-eared Bat. ♂ ad. Ft. Verde, Arizona. Sept. 17, 1884.

No. 128. Lepus callotis texianus. Northern Jackass Hare. ♀ juv. Fort Verde, Arizona. Sept. 17, 1884.

No. 129. Tamias harrisi (Ord. & Bach.) Allen. Harris's Chipmunk. ♂ ad. Fort Verde, Arizona. Sept. 19, 1884.

No. 130. Tamias harrisi (Ord. & Bach.) Allen. Harris's Chipmunk. ♀ juv. Fort Verde, Arizona. Sept. 19, 1884.

No. 131. ~~Dipodomys phillipsii ordinatus~~ Perognathus ~~fenicularius~~, Woods. Pocket-tailed Pocket mouse. ♀ juv. Fort Verde, Arizona. Sept. 20, 1884.

No. 132. Mus musculus, Linnaeus. House Mouse. ♀ juv. Fort Verde, Arizona. Sept. 21, 1884.

No. 133. Sciurus aberti, Woodhouse. Abert's Pine Squirrel. ♀ juv. Baker's Butte, Mogollon Mts., about 35 miles east of Fort Verde, Arizona. October 4, 1884.

No. 134. Tamias asiaticus quadrivittatus. Rocky Mountain Chipmunk. ♀ ad. Baker's Butte,

Mogollon Mountains, about 35 miles east of Fort Verde, Arizona. October 4th, 1884.

No. 135. Sciurus hudsonius fremonti. Fremont's Chickaree. ♀ad. Between Baker's Butte and General Springs, Arizona, October 4, 1884.

No. 136. Sciurus hudsonius fremonti. Fremont's Chickaree. ♀ad. Mogollon Mountains, between Baker's Butte and General Springs, Arizona. October 4, 1884.

No. 137. Sciurus hudsonius fremonti. Fremont's Chickaree. ♂ad. Between General Springs and the Lake Tanks, Mogollon Mountains, Arizona Territory. October 5th, 1884.

No. 138. Sciurus aberti Woodhouse. Abert's Pine Squirrel. ♂ad. Mogollon Mountains between General Springs and the Lake Tanks, Arizona. October 5, 1884.

No. 139. Sciurus aberti Woodhouse. Abert's Pine Squirrel. ♂ad. Mogollon Mountains, between General Springs and the Lake Tanks, Arizona October 5, 1884.

No. 140. Sciurus aberti Woodhouse. Abert's Pine Squirrel. ♀ad. Cañon Creek, Tonto Basin, Arizona. October 7, 1884.

No. 141. Sciurus aberti Woodhouse. Abert's Pine Squirrel. ♂ad. Between the Left Fort of Cañon Creek and Cibicu Creek, Arizona. October 8, 1884.

No. 142. Hesperomys leucopus eremicus (Baird) Coues. Desert Mouse. ♀ad. Tonto Creek, Gila Basin, Arizona. October 22nd, 1884.

No. 143. Hesperomys leucopus eremicus (Baird) Coues. Desert Mouse. ♀juv. Tonto Creek, Gila Basin, Arizona. October 22, 1884.

No. 144. Sciurus aberti Woodhouse. Abert's Pine Squirrel. ♀ad. Mormon Settlement on Pine Flat, 35 miles southeast of Fort Verde,

Arizona. October 25, 1884.

No. 145. Sciurus aberti Woodhouse. Abert's Pine Squirrel. ♀ad. Strawberry Valley, about 30 miles south-east of Fort Verde, Arizona. October 25, 1884.

No. 146. Tamias asiaticus dorsalis. Gila Chipmunk. ♀ad. Canon of Cataract Creek, near the Supai Indian Settlement, Arizona. November 11, 1884.

No. 147. Procyon cinero-argentatus Schreber. ~~Sciurus~~ Gray. Fox. ♂ad. Supai Indian Settlement in Cataract Creek Cañon, Arizona. November 12, 1884.

No. 148. Lepus sylvaticus nuttalli. Sage Hare. ♂ad. Pine Spring, 15 miles south of the Grand Cañon of the Colorado. November 15, 1884.

No. 149. Thomomys talpoides umbrinus. Southern Pocket Gopher. ♀ . Pine Spring, 15 miles south of the Grand Cañon of the Colorado. November 15, 1884.

No. 150. Tamias harrisi (Aud. & Bach.) Allen. Harris's Chipmunk. ♀ad. 12 miles east of Peach Springs, Mojave County, Arizona. Nov. 20, 1884.

No. 151. Tamias harrisi (Aud. & Bach.) Allen. Harris's Chipmunk. ♀ad. 12 miles east of Peach Springs, Mojave County, Arizona. Nov. 20, 1884.

No. 152. Tamias harrisi (Aud. & Bach.) Allen. Harris's Chipmunk. ♀ad. 12 miles east of Peach Springs, Mojave County, Arizona. November 20, 1884.

No. 153. Tamias ~~harrisi~~ leucurus (Merriam) ~~(Aud. & Bach.)~~ Allen. Harris's Chipmunk. ♂ad. Grand Cañon of the Colorado, near Pine Springs, Arizona. Nov. 16, 1884.

No. 154. Hesperomys (Onychomys) leucogaster torridus (Coues) Mearns. ~~Rat.~~ Arizona Mole-mouse. ♂ad. Fort Verde, Arizona. Dec. 7, 1884.

No. 155. Lepus sylvaticus arizonae. Desert Hare. ♂ad. Fort Verde, Arizona. December 27, 1884.

No. 156. Lepus sylvaticus arizonæ. Desert Hare. ♂ad. Fort Verde, Arizona. December 27, 1884.

No. 157. Lepus sylvaticus arizonæ. Desert Hare. ♂ad. Fort Verde, Arizona. December 27, 1884.

No. 158. Lepus sylvaticus arizonæ. Desert Hare. ♂ad. Fort Verde, Arizona. December 30, 1884.

No. 159 Cariacus leucurus. White-tailed Deer. ♂ jun. Shot near the base of Bill Williams Mountain December 5th, 1884, and presented to me in the flesh by General George Crook.

No. 160. Lepus sylvaticus arizonæ. Desert Hare. ♂ad. Fort Verde, Arizona. January 3, 1885.

No. 161. Cariacus macrotis, Say. Mule Deer ♂ad. Fort Verde, Arizona. Jan. 6, 1885.

No. 162. Cariacus macrotis Say. Mule Deer. ♂ad. Fort Verde, Arizona. Jan. 8, 1885.

No. 163. Lepus callotis texianus. Northern Jackass Hare. ♀ad. Fort Verde, Arizona. Jan. 8, 1885.

No. 164. Lepus sylvaticus arizonæ. Desert Hare. ♂ad. Fort Verde, Arizona. Jan. 8, 1885.

No. 165 Cariacus macrotis Say. Mule Deer. ♂ad. Fort Verde, Arizona. Jan. 24, 1885.

No. 166. Tamias harrisi (Aud. & Bach.) Allen. Harris's Chipmunk. ♂ ad. Fort Verde, Arizona. Jan. 24, 1885.

No. 167.* Cariacus macrotis Say. Mule Deer. ♀ad. Fort Verde, Arizona. March 6th, 1885.

201
No. ~~168~~ Castor Fiber canadensis. American Beaver. Adult. Hunter's skin. 930 X 800 mm.

202.
No. ~~169~~ Castor Fiber canadensis. American Beaver. Adult. Hunter's skin. 1090 X 700 mm.

203
No. ~~170~~ Castor Fiber canadensis. American Beaver. Adult. Hunter's skin. 1060 X 720 mm.

204
No. ~~171~~ Castor Fiber canadensis. American Beaver. Adult. Hunter's skin. 970 X 780 mm.

205
No. ~~172~~ Castor Fiber canadensis. American Beaver. Adult. Hunter's skin. 940 X 770 mm.

* List of specimens continued on page 552.

206
No. ~~173~~ Castor Fiber canadensis. American Beaver. Adult. Hunter's skin. 1010 X 840 mm.

207
No. ~~174~~ Castor Fiber canadensis. American Beaver. Adult. Hunter's skin. 900 X 770 mm.

208
No. ~~175~~ Castor Fiber canadensis. American Beaver. Adult. Hunter's skin. 950 X 850 mm.

209
No. ~~176~~ Castor Fiber canadensis. American Beaver. Adult. Hunter's skin. 930 X 700 mm.

210
No. ~~177~~ Castor Fiber canadensis. American Beaver. Young of the year. Dec. & Jan., 1884-85.

211
No. ~~178~~ Castor Fiber canadensis. American Beaver. Young of the year. Hunter's skin. 760 X 600.

212
No. ~~179~~ Castor Fiber canadensis. American Beaver. Young of the year. Hunter's skin. 670 X 589 mm.

213
No. ~~180~~ Castor Fiber canadensis. American Beaver. Young of the year. Hunter's skin. 710 X 609 mm.

214
No. ~~181~~ Castor Fiber canadensis. American Beaver. Young of the year. Hunter's skin. 695 X 620.

215
No. ~~182~~ Castor Fiber canadensis. American Beaver. Young of 2nd & 3rd years. Dec. & Jan., 1884-85.

216
No. ~~183~~ Castor Fiber canadensis. American Beaver. Immature. Young probably in second year. Size of skin, 720 X 610 mm.

217
No. ~~184~~ Castor Fiber canadensis. American Beaver. Immature. Young, probably in third year. Size of skin, 810 X 720 mm.

69

The above seventeen (17) Beaver-skins were all trapped on the Verde River, near Fort Verde, Arizona, between December and March, 1884-85. They weighed 29 lbs. avoirdupois, and were sold to me, in excellent condition, by the person who trapped them, for thirty dollars ($30 00/100).

5

Castor ~~fiber~~ canadensis frondator.

Arizona ~~American~~ Beaver.

Description of the pelage, from twenty skins, taken at Fort Verde, Arizona, during the years 1884-85, by Edgar A. Mearns. These skins are as follows:

No. 120. ♂ ad. Aug. 16, 1884. A made up skin and skeleton.
No. 122. ♂ juv. (young of year) Aug. 19, 1884. do do.
No. 123. ♀ juv. (young of year) Sept. 10, 1884. do do.

Nos. 168 to 184 are "hunter's skins" stretched to a nearly perfect ellipse. Of these seventeen skins, Nos. 168 to 177 are adults, taken in the Verde River, between December and March; Nos. 178 to 181 are young of the year taken in December and January; Nos. 182 to 184 are immature specimens supposed to be in their second and third years, respectively. The seventeen skins, thoroughly cleaned and dry, weighed 29 lbs., and were purchased from the trapper for $30 $\frac{00}{100}$, or a trifle over $1 $\frac{00}{100}$ per pound.

In all Arizona Beavers the hide is thick and indurated; and the fur is poor in quality, and less dense, than in northern specimens. The fur, however, is handsome, and they make elegant rugs, robes, and even fur trimmings, when plucked; but the price at which they are sold shows that Beaver trapping is not a remunerative trade in Arizona; and this is further attested by the great abundance of these animals along the rivers of the Territory. I have had large skins offered me, that were prepared with less skill and pains than the above, for 50¢ apiece.

Summer pelage of adult, described from No. 120. ♂ ad., Fort Verde, Arizona, Aug. 16, 1884, E. A. M.:

General color of dorsal surface, pale, red-

-dish-fulvous, much paler and more uniform than in any winter specimen that I have seen. A darker central area is indicated, but the dorsum of tail and rump are considerably paler and more yellowish. The long hairs of the sides, giving the general color, are pale yellowish-fulvous, and the same shade prevails below, where the long hairs are scanty, however, at this season. Along the middle of the belly is a band of dark shining chestnut, a paler shade of which is barely apparent extending forwards to between the fore legs, and more distinctly backward as far as the vent. The under surface of the tail, posterior to the anal orifice, is reddish-chestnut, paler than ~~that in~~ the middle of the belly. The bare sole of the hind foot is fringed behind the heel with a band of long, chestnut-red hairs. The dorsum of the hind feet is covered with coarse hairs, of a dark vinaceous color, with a few markings of fulvous, especially upon the terminal portion of the toes. The front, sides and under surface of the head, and the fore legs and feet, are a paler shade of fulvous than the rest of the body; and the feet are marked above with a few ~~pale~~ irregular, vinaceous blotches (mixed with brown) similar to, but paler than, the dorsum of the hind feet.

The soft under fur is dark grayish-brown above, becoming pale grayish beneath.

Winter pelage of adult, described from No. 168 ♂ ad., a "hunter's skin", taken in the winter of 1884-85 in the Verde River, Arizona. This is the darkest of the ten winter skins

before me, as well as the handsomest. The skin, stretched in the form of an ellipse, measures 930 × 800 mm., and weighs 2¼ lbs.

There is an area of dark reddish-brown, extending from the forehead to the beginning of the caudal vertebrae, where the color changes to an even darker hue of shining vinaceous chestnut, a lighter shade of which extends to the under surface of the caudal, and along the inner side of the thighs. The sides are rather uniform (slightly reddish) fulvous. The under fur is of about the same color terminally, but grayish at the base of the hairs, that upon the dorsum is a rich brown. There is no chestnut central stripe beneath in this specimen.

The remaining nine winter specimens exhibit certain color differences, and vary to a considerable extent.

No. 169 — adult, Fort Verde, Arizona, winter of 1884-85, has the dorsum paler and less reddish; the sides and belly are uniformly ~~grayish-brown~~ brownish-gray, with no tinge of red or fulvous, while the rump is paler than the back, and more yellowish than in the above specimen, shading into the dark, vinaceous color posteriorly and beneath. This skin measures 1090 × 700 mm.

Between the above two specimens there are various gradations in colors. In some there is a distinctly darker ventral stripe, and, occasionally, the sides are of a brighter, yellowish-fulvous. In some the top of the head is darker, in others lighter than the rest of the ~~body~~ dorsal surface; but in all, the muzzle, sides and lower surface of head

and neck, are pale, so that skins exhibit a triangular dark patch above, corresponding to the crown of the head.

Young of the year, from four specimens taken in midwinter:

The most salient character of these specimens is their paler coloration. They present a central dorsal area of reddish-brown, and two broad lateral bands of nearly uniform brownish-gray, but faintly washed with fulvous. The ventral surface is just appreciably darkest in the median line. The sides of the head are washed with fulvous. The rump and base of caudal pale chestnut-fulvous, with less of the vinaceous tint than in the adult.

Three immature specimens, presumably in their second and third years, respectively, present ~~intermediate~~ color characters which are intermediate between those of the young of the year and the adult.

No. 168 Spermophilus tereticaudus Baird. Fort Verde Spermophile. Ad. Near Beaver Ranch on New River, Arizona, March 28, 1885.

No. 169. Spermophilus tereticaudus Baird. Fort Verde Spermophile. Ad. Between New River and Phoenix, Arizona, March 28, 1885.

No. 170 Spermophilus tereticaudus Baird. Fort Verde Spermophile. Ad. Between New River and Phoenix, Arizona. March 28, 1885.

No. 171. Spermophilus tereticaudus Baird. Fort Verde Spermophile. Ad. Between New River and Fort Station, Arizona Territory, March 28, 1885.

No. 174. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 175. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 176. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 177. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 178. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 179. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 180. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 181. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 182. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 183. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 184. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 185. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 186. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 187. Sciurus [illegible] Ad. [illegible]
of Mountain (near Nilcox), Arizona. April 7, 1885.

No. 188. [illegible] Ad. [illegible]
Cave Creek, New Mexico. [illegible]

No. 189. Sciurus [illegible] Ad. [illegible]
Corralitos, New Mexico. April 27, 1885.

No. 190. Sciurus [illegible] Ad. [illegible]
Dragoon Summit, Arizona. [illegible]

No. 191. Sciurus [illegible] Ad. [illegible]
Southern Pacific R.R. [illegible]

No. 192. Sciurus [illegible] Ad. [illegible]
Southern Pacific R.R. Gila, Red Rock,

No. 193. Vulpis velox
Ad. [illegible]

No. 194. Dipodomys Phillipsi ordi
[illegible]

No. 195. Sciurus [illegible] Ad. [illegible]
Cave Springs, Arizona. [illegible]

No. 196. Felis [illegible] Ad. [illegible]
"Mexican Lion." Ad. [illegible]

No. 197. Sciurus [illegible] Ad. [illegible]
Fila Chiquito. Fab. (Total length 253.)

No. 198. Castor fiber canadensis. American
Beaver. Spir. Ft. Verde, Arizona June 13, 1885.

No. 199. Castor fiber canadensis. American Beaver.
Spir. Fort Verde, Arizona. June 13, 1885. Both of the above were trapped the year. Had not had the

[illegible]

[illegible] 201 to 217 [illegible] 547.

18. [illegible] Common Skunk. ♀ [illegible] Arizona, by General George Wood Shull.

217. Mephitis (Spilogale) putorius (L.) Little Striped Skunk. ♂ [illegible] Arizona [illegible] George Wood Shull. Febr. 28, 1885.

[illegible] 11, 1885. Shull.

Catalogue of the Mammals which I have personally ascertained to exist in the Territory of Arizona.

(Fort Verde, Arizona, June 15th, 1885.)

1. Felis concolor [illegible]. Cougar; Panther; Mountain Lion (Amer.); Puma (South America).
2. Lynx rufus maculatus [illegible]. [illegible] Cat.
3. Canis lupus [illegible]. Wolf. "Timber Wolf."
4. Canis latrans Say. Coyote; Prairie Wolf.
5. Urocyon cinero-argentatus (Schab.) Coues. Gray Fox.
6. Mephitis mephitica (Shaw) Baird. Common Skunk; Polecat; "Alaska Sable."
7. Mephitis (Spilogale) putorius (Linn.) Little Striped Skunk.
8. Conepatus mapurittus (— ?) Coues. White-backed Skunk.
9. Taxidea americana (Bodd.) Baird. American Badger.

10. [illegible] [illegible]
11. [illegible] [illegible]
12. [illegible] [illegible]
13. [illegible] [illegible]
14. [illegible] [illegible]
15. [illegible] [illegible]
16. [illegible] [illegible]
17. [illegible] [illegible]
18. [illegible] [illegible]
19. Myotis yumanensis (H. Allen).
20. Long-tailed Bats: Antrozous pallidus and
20 a. Corynorhynus macrotis pallescens Miller.
21. [illegible] [illegible]
22. [illegible] [illegible]
23. [illegible] [illegible]
24. [illegible] [illegible]
25. [illegible] [illegible]
26. Spermophilus grammurus grammurus (Say) Allen. Rocky Mountain Line-tailed Spermophile.
27. Spermophilus tereticaudus Baird. Fort Yuma Spermophile.

34. Perognathus flavescens (Merr.) Plains Pocket Mouse; Yellow Sand Mouse.

35. Lepus sylvaticus (Bach.) Nat.

36. Lepus melanotis Allen. Black Hare.

37. Lepus californicus (Gray) Merr. Desert Hare.

38. Lepus californicus (Gray) Merr. Mexican Hare; Southern Jackrabbit, Hare.

39. Lepus californicus (Gray) Merr. Californian Jackrabbit, Hare.

40. Dipodomys phillipsi ordi (Woodhouse). Ord's Kangaroo-rat. Phillips's Kangaroo-rat.

41. Castor canadensis (Kuhl) Allen. American Beaver.

42. Hesperomys (Onychomys) leucogaster torridus (Coues) Mearns. Arizona Mole-mouse.

43. Sigmodon hispidus arizonae. Arizona Cotton Rat.

44. Eptesicus fuscus Large Brown Bat.

45. Neotoma cinerea. Bushy-tailed Rat.

46. Bassaris astuta Licht. Civet Cat.

No. 221. ♂ adult. Geomys grammurus (Say & Ord). Plains Pocket Gopher. Fort Verde, Arizona. July 7, 1885.

No. 222. Ord's kit. Dipodomys phillipsi (Woodh.) ♀ juv. Fort Verde, Arizona. July 9, 1885.

No. 223. Ord's kit. Dipodomys phillipsi (Woodh.) ♀ juv. Fort Verde, Arizona. July 11, 1885.

No. 224. Sciurus harrisi. Harris's Chipmunk. ♀ juv. Fort Verde, Arizona. July 23, 1885.

No. 225. Fiber zibethicus. Muskrat. ♂ ad. Fort Verde, Arizona. July 22, 1885.

No. 226. Mephitis mephitica. Common Skunk. ♀ juv. Fort Verde, Arizona. July 25, 1885.

No. 227. Sperm. tridecemlin. (Round-tailed Spermophile. ♀ ad. Fort Verde, Arizona. April 6, 1885. Skull only preserved.

No. 228. Spermophilus tridecemlin. (Round-tailed Spermophile. ♂ ad. Desert Mts., 20 m. north of Phoenix, Arizona. May 15, 1885. Skull only preserved.

No. 229. Tamias harrisi. Harris's Chipmunk. ♂ ad. Fort Verde, Arizona. August 17, 1885.

No. 230. Tamias harrisi. Harris's Chipmunk. ♂ ad. Fort Verde, Arizona. August 17, 1885.

No. 231. Tamias harrisi. Harris's Chipmunk. ♂ ad. Fort Verde, Arizona. August 17, 1885.

No. 232. Fiber zibethicus. Muskrat. ♂ ad. Fort Verde, Arizona. August 19, 1885.

No. 233. Myotis yumanensis (H. Allen). Bat. ♂ ad. Fort Verde, Arizona. August 19, 1885.

No. 234. Tamias harrisi. Harris's Chipmunk. ♀ ad. Fort Verde, Arizona. August 28, 1885.

No. 235. Tamias harrisi. Harris's Chipmunk. ♀ ad. Fort Verde, Arizona. August 28, 1885.

No. 236. Saxidea americana berlandieri. Mexican Badger. ♀ ad. Fort Verde, Arizona. August 30, 1885.

No. 237. ♀ ad. Dipodomys phillipsii arizonae. Fort Verde, Arizona. August 31, 1885. Skull not in case-Mill, Mississippi.

No. 238. Eptesicus fuscus (Beauvois). Large Brown Bat. ♀ ad. Fort Verde, Arizona. Sept. 30, 1885.

No. 239. Lonchorhina aurita. White-backed Skunk. ♂ ad. Indian Cabin, Del Oso, 30 miles N.E. Fort Verde, Arizona. Aug. 17, 1885. Skull and one claw only, preserved.

No. 240. Canis latrans arizonae Merriam. ♂ ad. Fort Verde, Arizona. October 17, 1885.

No. 241. Mus sp. Field Mouse. ♀ ad. Fort Verde, Arizona. October 17, 1885.

No. 242. Dipodomys phillipsii arizonae. var. nov. Arizona Cotton Rat. ♂ ad. Fort Verde, Arizona. September 18, 1885.

No. 243. Dipodomys phillipsii arizonae. var. nov. Arizona Cotton Rat. ♂ ad. Fort Verde, Arizona. September 18, 1885.

No. 244. Hesperomys leucopus crenicus. Desert Mouse. ♂ ad. Fort Verde, Arizona. Sept. 23, 1885.

No. 245. Hesperomys leucopus crenicus. Desert Mouse. ♂ juv. Fort Verde, Arizona. September 23, 1885.

No. 246. Conepatus mapurito. White-backed Skunk. ♀ ad. West of Squaw Peak and 10 miles from Fort Verde, Arizona. September 23, 1885.

No. 247. Hesperomys leucopus crenicus. Desert Mouse. ♂ ad. Fort Verde, Arizona. September 26, 1885.

No. 248. Hesperomys leucopus crenicus. Desert Mouse. ♂ ad. Fort Verde, Arizona. September 26, 1885.

No. 249. Mephitis mephitica. Common Skunk. ♀ juv. Fort Verde, Arizona. September 26, 1885.

No. 250. Dipodomys phillipsii ordii. Ord's Pocket-rat; "Kangaroo Rat." ♂ ad. Fort Verde, Arizona. October 1st, 1885.

No. 251. Thomomys talpoides umbrinus. Southern Pocket Gopher. ♂ ad. Fort Verde, Arizona. Oct. 1, 1885.

No. 252. Conepatus mapurito. White-backed Skunk. ♀ juv. Fort Verde, Arizona. October 1, 1885.

No. 253. Dipodomys phillipsii arizonae. var. nov. Arizona Cotton Rat. ♂ juv. Fort Verde, Arizona. October 2, 1885.

No. 254. Neotoma mexicana Baird. Mexican Wood Rat. ♂ ad. Fort Verde, Arizona. October 2, 1885.

No. 255. Hesperomys leucopus crenicus. Desert Mouse. ♀ juv. Fort Verde, Arizona. October 5, 1885.

No. 256. Mephitis mephitica. Common Skunk. ♂ juv. October 5, 1885. Fort Verde, Arizona. Skull.

No. 257. Mephitis mephitica. Common Skunk. ♂ ad. Fort Verde, Arizona. October 8, 1885. Skull.

No. 258. Mephitis mephitica. Common Skunk. ♀ ad. Fort Verde, Arizona. October 10, 1885.

No. 259. Hesperomys leucopus sonoriensis (Waterhouse). Sonora Mouse. ♂ ad. Fort Verde, Arizona.

No. 260. Perognathus amicus Merriam. Mexican Pocket Mouse. ♂ ad. Fort Verde, Arizona. October 12, 1885.

No. 261. Hesperomys leucopus crenicus. Desert Mouse. ♀ juv. Fort Verde, Arizona. October 13, 1885.

No. 262. Castor fiber canadensis. American Beaver. ♂ ad. Fort Verde, Arizona. October 14, 1885.

No. 263. Conepatus mapurito. White-backed Skunk. ♂ juv. Fort Verde, Arizona. October 14, 1885.

No. 264. Hesperomys leucopus sonoriensis. Sonora White-footed Mouse. (Not typical). ♂ ad. Fort Verde, Arizona. October 15, 1885.

No. 265. Castor fiber canadensis. American Beaver. ♂ juv. Fort Verde, Arizona. October 17, 1885.

No. 266. Hesperomys leucopus crenicus. Desert Mouse. ♀ juv. October 18, 1885. Fort Verde, Arizona.

No. 267. Mephitis mephitica. Common Skunk. Fort Verde, Arizona. October 18, 1885.

No. 268. Mephitis mephitica. Common Skunk. ♂ ad. Fort Verde, Arizona. October 19, 1885. Skull only preserved.

No. 269. Hesperomys leucopus eremicus. Desert Mouse. ♂ ad. Fort Verde, Arizona. October 20, 1885.

No. 270. Mus musculus. House Mouse. ♂ ad. Fort Verde, Arizona. October 22, 1885.

No. 271. Hesperomys leucopus eremicus. Desert Mouse. Fort Verde, Arizona. October 24, 1885. ♂ ad.

No. 272. Hesperomys leucopus eremicus. Desert Mouse. ♀ ad. Fort Verde, Arizona. October 24, 1885.

No. 273. Spilogale interrupta. Little Spotted Skunk. ♂ ad. Fort Verde, Arizona. October 26, 1885.

No. 274. Hesperomys leucopus eremicus. Desert Mouse. ♂ ad. Fort Verde, Arizona. October 28, 1885.

No. 275. Thomomys talpoides imbrinus. Southern Pocket Gopher. ♀ ad. Fort Verde, Arizona. Nov. 1, 1885.

No. 276. Antelocapra americana. Prong-horn Antelope. ♂ ad. Near Flagstaff, base of San Francisco Mountains, Arizona. November 4, 1885. Head.

No. 277. Cariacus macrotis. Mule Deer. ♂ ad. Head. Ash Creek, Arizona. November 9, 1885.

No. 278. Cariacus macrotis. Mule Deer. ♂ ad. Skin of head + skull. Ash Creek, Arizona. November 9, 1885.

No. 279. Neotoma floridana mexicana. Mexican Wood Rat. ♀ ad. Fort Verde, Arizona. Nov. 13, 1885.

No. 280. Tamias asiaticus dorsalis. Gila Chipmunk. ♀ ad. Cherry Creek, Arizona. November 19, 1885.

No. 281. Lynx rufus maculatus. Texan Wild Cat. ♀ juv. Fort Verde, Arizona. November 25, 1885.

No. 282. Cariacus macrotis. Mule Deer. ♂ ad. Skin of head, and skull. ~~Calaract~~ Fossil Creek, Arizona. Nov. 27, 1885.

No. 283. Cariacus macrotis. Mule Deer. ♀ ad. Skin of head and skull. Fossil Creek, Arizona. November 27, 1885.

No. 284. Cariacus macrotis. Mule Deer. ♀ ad. Skin of head and skull. Fossil Creek, Arizona. November 27, 1885.

No. 285. Cariacus macrotis. Mule Deer. ♂ juv. Skin of head and skull. Fossil Creek, Arizona. November 27, 1885.

No. 286. Felis concolor. Mountain Lion. ♀. Shot near Flagstaff, Arizona, December 1st, 1885, by Mr. Gaddis.

No. 287. Tamias harrisi. Harris's Chipmunk. ♂ ad. Fort Verde, Arizona. December 8, 1885.

No. 288. Cariacus macrotis. Mule Deer. A "Cactus buck" ♂ ad. Skin of head and skull. Cherry Creek, Arizona. December 9, 1885.

No. 289. Felis concolor. Mountain Lion; Panther ♂ ad. 6 m. S.W. of Squaw Peak, Arizona. December 8, 1885.

No. 290. Felis concolor. Mountain Lion. ♂ ad. m. S.W. of Squaw Peak, Arizona.
The dessicated head presented by Mr. Wales Arnold.

No. 291. Mephitis interrupta. Little Striped Skunk. ♂ ad. Skin and skull. Fort Verde, Arizona, December 26, 1885.

No. 292. Hesperomys leucopus eremicus. Desert Mouse. ♂ ad. Skin and skull. Fort Verde, Arizona. December 28, 1885.

No. 293. Cariacus macrotis. Mule Deer. Skull skin of head, skin of body, one fore and one hind leg. Between Clear and Sycamore Creeks, 15 miles southeast of Fort Verde, Arizona. December 22nd, 1885. A "Cactus buck".

No. 294. Bassaris astuta. Civet Cat. ♀ ad. Skin, skull and skeleton of body. Box Cañon of the Verde River, 20 miles south of Fort Verde, Arizona. December 30, 1885.

No. 295. Bassaris astuta. Civet Cat. ♀ ad. Skin, skull and skeleton of body. Box Cañon of the Verde River, December 30, 1885.

No. 296. Bassarus astuta. Civet Cat. ♂ ad. Skin, skull and skeleton of body. Box Cañon of the Verde River, December 27, 1885.

No. 297. Cariacus macrotis. Mule Deer. ♀ ad. Shot by myself, six miles east of Fort Verde, Arizona, December 29, 1885. Skin of head without skull.

No. 298. Mephitis interrupta. Little Striped Skunk. ♀ ad. Skin skull, atlas and axis. Box Cañon of the Verde River, December 29, 1885.

No. 299. Mephitis interrupta. Little Spotted Skunk. ♀ Skin, skull, atlas and axis. Box Cañon of the Verde River, Arizona. December 30, 1885.

No. 300. Mephitis interrupta. Little Spotted Skunk. ♀ Skin of head, skull, atlas and axis. Box Cañon of the Verde River, Arizona. Dec. 30, 1885.

No. 301. Conepatus mapuritus. White-backed Skunk. Ad. Skin of head, skull, atlas and axis. Box Cañon of the Verde River, 20 miles south of Fort Verde, Arizona. Dec. 29, 1885.

No. 302. Conepatus mapuritus. White-backed Skunk. Ad. Skin of head, skull, atlas and axis. Box Cañon of Verde River, Arizona Dec. 29, 1885.

No. 303 Conepatus mapuritus. White-backed Skunk. Ad. Skin of head, skull, atlas and axis. Box Cañon of the Verde River, Arizona. Dec. 29, 1885.

No. 304. Bassaris astuta. Civet Cat. Ad. Hunter's Skin without nose or feet, skull and upper five cervical vertebrae. Box Cañon of the Verde River, 20 miles South of Fort Verde Arizona. December 26th, 1885.

No. 305. Hesperomys leucopus eremicus. Desert Mouse. Ad. Skin and skull. Post Hospital, Fort Verde, Arizona. December 31, 1885.

No. 306. Neotoma floridana mexicana. Mexican Wood Rat. Ad. Skin and skull. Fort Verde, Arizona. Jan. 7, 1886.

No. 307. Lynx rufus maculatus. Wild Cat. Ad. Skin, skull and upper cervical vertebrae. Brown's ranch, 6 miles South of Fort Verde Arizona. Jan. 12, 1886.

No. 308. Tamias Harrisi. Harris's Chipmunk. Ad. Fort Verde, Arizona. Jan. 30, 1886.

No. 309. Felis concolor. Mountain Lion. Ad. Skin without scalp, and skull (mutilated).

No. 310. Felis concolor. Mountain Lion. Juv. Skin without scalp.

No. 311. Lynx rufus maculatus. Wild Cat. Juv. Skin skull and upper cervical vertebrae. Beaver Creek, 4 miles north of Fort Verde, Arizona. February 3, 1886.

No. 312. Procyon hernandezi. Black-footed Raccoon. Ad. Skin skull, upper cervical vertebrae and os penis. Fort Verde Arizona February 3, 1886.

No. 313. Lynx rufus maculatus. Wild Cat. Ad. Skin skull and upper cervical vertebrae. Killed 15 miles South of Fort Verde, Arizona. February 5, 1886.

No. 314. Cariacus macrotis. Mule Deer. ♂ ad. Skull and horns, without lower jaw. Baker's Butte, Mogollon Mts. Arizona Dec. 14, 1884.

No. 315 Cariacus macrotis. Mule Deer. Ad. Horns. Winter. Fort Verde, Arizona.

No. 316. Cariacus macrotis. Mule Deer. Ad. Horns. Fort Verde, Arizona. Winter.

No. 317. Felis domesticus. House Cat. Ad. Shot on roof of new quarters, Fort Verde, Arizona. January 16, 1886. Skull, atlas and axis.

No. 318. Felis domesticus. House Cat. Ad. Skull atlas and axis. Shot on my quarters at Fort Verde, Arizona, January 16, 1886.

No. 319. Vulpes cinero-argentatus. Gray Fox. Ad. Hunters skin without nose or feet, skull, atlas and axis. Killed 15 miles South of Fort Verde Arizona. Febr. 1, 1886.

No. 320. Mephitis (Spilogale) interrupta. Little Striped Skunk. ♂ Ad. Skull atlas. Killed 15 miles south of Fort Verde Arizona. Febr. 2, 1886.

No. 321. Mephitis interrupta. Little Striped Skunk. Ad. Skull and 3 upper cervical vertebrae. 15 miles south of Fort Verde, Arizona. Febr. 6, 1886.

No. 322. Bassaris astuta. Civet Cat. Juv. Skull, atlas and axis. 15 Miles South of Ft. Verde, Arizona. Feb. 8, 1886.

No. 323. Castor fiber canadensis. American Beaver. adult. Skull found beside Verde River Arizona in 1886.

No. 324. Castor fiber canadensis. American Beaver. adult. Skull and greater part of skeleton found beside the Verde River Arizona, in 1886.

No. 325. Vroeyon cinero-argentatus. Gray Fox. Adult. Skull and 3 upper cervical vertebræ found near Fort Verde, Arizona in 1886.

No. 326. Vroeyon cinero-argentatus. Gray Fox. ♀ad. Strawberry Valley Arizona. Hunter's skin without nose or feet.

No. 327. Vroeyon cinero-argentatus. Gray Fox. Adult. Arizona. Skull (found in coon) without lower jaw.

No. 328. Cariacus virginianus. Mule Deer. ♂ad. Tail only. Ft. Verde, Arizona. Jan 4, 1886.

No. 329. Ursus americanus. Black Bear. Adult. Indian Garden, Oak Creek, Arizona, Jan. 14, 1885. Skull, without lower jaw, and otherwise imperfect.

No. 330. Spermophilus grammurus grammurus ♀ad. Fort Verde, Arizona. Febr. 18, 1886.

No. 331. Lepus texianus. ♀ad. Fort Verde, Arizona. Febr. 25, 1886. Skull.

No. 332. Lepus texianus. ♀ad. Fort Verde, Arizona. Febr. 25, 1886. Skull.

No. 333. Lepus texianus. ♀ad. Fort Verde, Arizona Febr. 25, 1886. Skull.

No. 334. Lepus texianus ♀ ad. March 8, 1886. 15 m. N. Fort Verde, Arizona. Skull.

No. 335. Lynx rufus maculatus. ♀ad. Brown's Ranche, 6 m. S. of Fort Verde, Arizona March 12, 1886. Skin and skull.

No. 336. Mephitis (Spilogale) interrupta. ♀ad. Markesbury's Ranche, near Fort Verde Arizona. March 13, 1886. Skin and skull.

No. 337. Tamias harrisi ♀ad. Fort Verde Arizona March 19, 1886. Skin and skull.

No. 338. Sciurus sylvaticus arizonæ. ♀ad. Fort Verde, Arizona. March 19, 1886.

No. 339. Tamias harrisi ♀ad. Fort Verde, Arizona March 20, 1886. Skin and skull.

No. 340 Tamias harrisi ♀ad. Fort Verde Arizona March 20, 1886. Skin and skull.

No. 341. Sciurus sylvaticus arizonæ ♀ad. Fort Verde, Arizona. March 20, 1886. Skin and skull.

No. 342 Tamias harrisi. ♀ad. Fort Verde, Arizona. March 20, 1886. Skin and skull.

No. 343. Tamias harrisi ♀ad. Fort Verde, Arizona. March 20, 1886. Skin and skull.

No. 344. Tamias harrisi. ♀ad. Fort Verde, Arizona March 20, 1886. Skin and skull.

No. 345. Tamias harrisi. ♀ad. Fort Verde, Arizona. March 22, 1886. Skin and skull.

No. 346 Sciurus sylvaticus arizonæ. ♀ad. Fort Verde, Arizona March 22, 1886. Skin and skull.

No. 347. Sciurus sylvaticus arizonæ ♀ad. Fort Verde, Arizona. March 22, 1886. Skin & skull.

No. 348 Sciurus sylvaticus arizonæ. ♀ad. Fort Verde, Arizona. March 22, 1886. Skin & skull.

No. 349 Lynx rufus maculatus. ♀ad. Davis's Ranche, 4 m. S. of Fort Verde, Arizona Febr. 19, 1886. Skull (broken).

No. 350. Lepus texianus. ♀ad. Phoenix Ariz. March 7, 1886. Skull.

No. 351. Lepus texianus. ♀ad. Phoenix, Arizona March 7, 1886. Skull.

No. 352 Lepus texianus ♀ad. Sabino Creek, Arizona. October 9, 1884. Skull.

No. 353 Lepus texianus ♀ad. Pine Springs, Arizona, near Grand Canon of Colorado Nov. 15, 1884. Skull and piece of skin.

No. 354. Lepus texianus ♀ ad. Fort Verde, Arizona. Nov. 12, 1885. Skull.

No. 355. Sciurus "arizonensis" ♀ ad. Fossil Creek, Arizona. March 18, 1886. Skin and Skull.

No. 356. Sciurus "arizonensis." ♀ ad. Fossil Creek, Arizona. March 18, 1886. Skull and scapula.

No. 357. Sciurus "arizonensis". ♀ ad. Fossil Creek, Arizona. March 19, 1886. Skull and scapula.

No. 358. Lynx rufus maculatus ♀ juv. Gila River near Sub-Agency January 10, 1886. Skull (broken).

No. 359. Cynomys columbianus. ♀ ad. Sulphur Spring Valley, at head of Arivaipai Creek, Arizona. Skull. January 30, 1886.

No. 360. Cynomys columbianus ♀ ad. Sulphur Spring Valley at head of Arivaipai Creek (near Fort Grant) Arizona. January 30, 1886.

No. 361. Lepus texianus. ♀ ad. Sulphur Spring Valley at head of Arivaipai Creek, Arizona. January 30 1886.

No. 362. Lepus sylvaticus arizonae. ♀ ad. Fort Verde, Arizona. March 25, 1886. Skin and skull.

No. 363. Sciurus "arizonensis", ♀ ad. Fossil Creek, Arizona. March 27, 1886. Skin and skull.

No. 364. Sciurus "arizonensis". ♀ ad. Fossil Creek, Arizona. March 29, 1886. Skin and skull.

No. 365. Sciurus "arizonensis". ♀ ad. Fossil Creek, Arizona. March 29, 1886. Skin and skull.

No. 366. Spermophilus grammurus grammurus. ♀ ad. Fossil Creek, Arizona. Mar. 27, 1886. Skull and hunter's skin.

No. 367. Spermophilus grammurus grammurus. ♀ ad. Fossil Creek, Arizona. Mar. 27, 1886. Skull and hunter's skin.

No. 368. Procyon lotor hernandezi. ♀ ad. Fossil Creek, Arizona. Mar. 29, 1886.

No. 369. Lepus texianus. ♀ ad. Fort Verde, Arizona. April 3, 1886. Skin and skull.

No. 370. Spermophilus grammurus grammurus. ♀ ad. Fort Verde, Arizona. April 3, 1886. Skin and skull.

No. 371. Spermophilus grammurus grammurus. ♀ ad. Fort Verde, Arizona. April 3, 1886. Skin and skull.

No. 372. Tamias harrisi ♀ ad. Fort Verde, Arizona, April 8, 1886. Skin and skull.

No. 373. Felis concolor. ♂ Mogollon Mts., Arizona. March 13 1886. Skull.

No. 374. Felis concolor. ♀ Mogollon Mts., Arizona. March 12, 1886. Skull.

No. 375. Felis concolor. ♂ March 14, 1886, Mogollon Mts., Arizona. Skull.

No. 376. Felis concolor. ♂ Mogollon Mts. Arizona. March, 1886. Skull.

No. 377. Felis concolor. ♀ ad. Mogollon Mts., Arizona. March 14, 1886. Skull.

No. 378. Canis latrans. ♀ ad. Mogollon Mts., Arizona. March, 1886. Skull.

No. 379. Antilocapra americana. ♀ ad. Mogollon Mts., Arizona. April 3, 1886. Skin, cranial, scapula, humerus, and upper cervical vertebrae.

No. 380. Antilocapra americana ♀ juv. Mogollon Mts., Arizona, April 3, 1886. Skull and upper cervical vertebrae.

No. 381. Antilocapra americana ♀ ad. Mogollon Mts. Arizona April 7th, 1886. Skull and upper cervical vertebrae.

No. 382. Antilocapra americana. ♀ ad. Mogollon Mts., Arizona. March 10 1886. Skull and upper cervical vertebrae.

No. 383. Antilocapra americana ♀ ad. Mogollon Mts., Arizona, March 11, 1886. Skull and upper cervical vertebrae.

No. 384 Cariacus macrotis ♂ ad. Mogollon Mts., Arizona. Found March, 1886. Horns in velvet.

No. 385 Cariacus macrotis ♂ ad. Mogollon Mts, Arizona. An old, faded, abraded pair, picked up in March, 1886. Horns.

No. 386. Cariacus macrotis ♂ ad. Mogollon Mts. Arizona. March 7, 1886. Horns, and skull except lower jaw.

No. 387 Hesperomys (Onychomys) leucogaster torridus. ♀ ad. April 15, 1886. Fort Verde, Arizona.

No. 388 Tamias parrisi ♂ ad. Fort Verde, Arizona April 17, 1886. Skin and skull.

No. 389. Spermophilus grammurus grammurus ♀ ad. April 17, 1886. Skin and skull. Ft. Verde.

No. 390 Spermophilus grammurus grammurus ♂ ad. April 18, 1886. Skin and skull. Copper Cañon, near Ft. Verde, Arizona.

No. 391 Thomomys talpoides umbrinus ♀ ad. Fossil Creek, Arizona. April 6, 1886. Skin and skull.

No. 392. Thomomys talpoides umbrinus. ♀ ad. Fossil Creek, Arizona. April 6, 1886. Skin and skull.

No. 393. Thomomys talpoides umbrinus. ♀ juv. Fossil Creek, Arizona. April 11, 1886. Skin ~~and~~ skull destroyed.

No. 394. Sciurus "arizonensis" ♀ ad. Fossil Creek, Arizona, April 5, 1886. Skin and skull.

No. 395. Sciurus "arizonensis" ♀ ad. Fossil Creek, Arizona, April 12, 1886. Skin and skull.

No. 396 Mephitis interrupta ♂ ad Fossil Creek, Arizona April 8, 1886. Hunters skin and skull.

No. 397 Spermophilus grammurus grammurus. ♂ ad. Fossil Creek, Arizona April 7, 1886 Hunters skin and skull.

No. 398 Spermophilus grammurus grammurus. ♀ ad. Fossil Creek, Arizona. April 9, 1886 Hunters Skin and skull

No. 399. Spermophilus grammurus grammurus. ♀ ad Fossil Creek, Arizona. April 9, 1886 Hunters Skin and skull.

No. 400 Spermophilus grammurus grammurus. ♀ ad. Fossil Creek, Arizona. April 12, 1886. Hunters Skin and skull.

No. 401 Hesperomys leucopus eremicus. ♀ ad. Fossil Creek, Arizona. April 10 1886 Skin and skull in pickle.

No. 402. Spermophilus grammurus grammurus. ♂ ad. Fort Verde, Arizona. April 27, 1886. Skin and skull.

No. 403 Dipodomys ordii ♀ ad. Fort Verde, Arizona. April 27, 1886. Skin and skull.

No. 404 Dipodomys ordii. ♂ juv. Fort Verde, Arizona April 27, 1886. Skin and skull.

No. 405 Dipodomys ordii ♀ juv. Fort Verde, Arizona April 28, 1886. Skin and skull.

No. 406 Castor fiber canadensis. ♀ ad. Fort Verde, Arizona (Beaver Cr.) May 28, 1886. Skin and skull

No. 407 Castor fiber canadensis ♂ juv (progeny of above) Fort Verde (Beaver Cr.) Arizona May 28, 1886. Skin and skull.

No. 408 Fiber zibethicus ♂ juv. Young half grown Beaver Creek near Ft. Verde, Arizona. June 4, 1886. Skin and skull in pickle.

No. 409. Spermophilus grammurus grammurus ♀ ad. Contained 5 foetuses. Oak Creek at the "Black Hole of Calcutta" June 14, 1886. 30 miles north of Fort Verde, Arizona.

No. 410 Cariacus macrotis montanus ♂ ad.
Flagstaff, Arizona, January 12, 1885.
Horns and skull except lower jaw.

No. 411 Cariacus macrotis montanus. ♂ ad.
Found near Rattlesnake Tanks, Arizona,
March 7, 1886. Horns and piece of skull.

No. 412 Cariacus macrotis montanus. ♂ ad.
Found at Bakers Butte, July 2, 1886.
Horns and a part of the skull.

No. 413 Cariacus macrotis montanus. ♂ ad.
Fort Verde, Arizona. Found in 1886.
Skull and horns.

No. 414 Cariacus macrotis montanus. ♂ ad.
Fort Verde, Arizona. Found in 1886.
Skull and horns.

No. 415 Cariacus macrotis montanus. ♂ ad.
Fort Verde, Arizona. Found in 1886.
Skin and skull except lower jaw.

No. 416 Cariacus macrotis montanus. ♂ ad.
Fort Verde, Arizona. Found in 1886.
Skull and horns except lower jaw.

No. 417 Cariacus macrotis montanus. ♂ ad.
Fort Verde, Arizona. Found 1886.
Horns and piece of skull.

No. 418 Cariacus macrotis montanus. ♂.
Fort Verde, Arizona. Found in 1886.
This pair was brought by Mr. Cosner
who found it on Beaver Creek. He said
it was the horns of C. virg. crooki, but
I think not, although they are very
peculiar for a Mule Deer.

No. 419 Cariacus macrotis montanus. ♂ ad.
Mogollon Mts., Arizona. Found 1886.
Horns and skull.

No. 420. Sciurus aberti. ♀ ad. Flagstaff, Arizona.
June 21st, 1886. Skin and skull.

No. 421 Sciurus aberti. ♂ ad. Flagstaff, Arizona,
June 21, 1886. Skin and skull.

No. 422 Sciurus aberti. ♀ ad. Munns's Ranche, 22
miles south of Flagstaff, Arizona, June
19th, 1886. Skin and skull.

No. 423. Spermophilus grammurus grammurus. ♀ ad.
Flagstaff, Arizona. June 20, 1886.
Skin and skull.

No. 424. Tamias lateralis. ♀ ad. Flagstaff, Arizona.
June 21, 1886. Skin and skull.

No. 425. Tamias lateralis ♀ ad. Flagstaff, Arizona
June 20, 1886. Skin and skull.

No. 426 Tamias lateralis. ♀ ad. Near Flagstaff,
Arizona, June 20 1886. Skin and skull.

No. 427. Tamias lateralis. ♀ ad. Near Flagstaff,
Arizona, June 20, 1886. Skin and skull.

No. 428 Peromyscus arizonensis. ♀ ad. Hydraulic
Works, near Flagstaff, Arizona. June 20, 1886.

No. 429. Sciurus aberti. ♂ ad. Tanks 7 miles north of
Strawberry Valley, on the Soldiers Basin road,
July 3, 1886. Skin without tail; skull lost.

No. 430. Spermophilus grammurus grammurus ♀ ad.
Fossil Creek, A. T., July 5, 1886. Skull only.

No. 431. Ursus americanus. Brown Bear. ad. Near
General Springs, Arizona (Mogollon Mts),
July 1885. Skull atlas and axis.

No. 432 Ursus americanus. Brown Bear. ♀ ad. near
General Springs, Mogollon Mts., Arizona.
June , 1886. Skull, atlas & axis.

No. 433. Ursus americanus. Brown Bear. juv. (a
yearling.) Near General Springs, Mogollon
Mts., A. T. June 1886. Skull, atlas & axis.

No. 434 Ursus americanus. Brown Bear. juv.
(a yearling) Near General Springs, Mogollon
Mts., A. T. June, 1886. Skull, atlas & axis.

No. 435. Canis latrans. ♂ ad. Fort Verde, Arizona.
July 15, 1886. Skin, skull, atlas & axis.

No. 436. Canis latrans. ♀ad. Fort Verde, Arizona. July 20, 1886. Skin, skull, atlas and axis.

No. 437. Tamias lateralis. ♂ad. Woods's ranche, on the road to Flagstaff, Mogollon Mountains, Arizona. July 22, 1886. Skin and skull.

No. 438. Procyon lotor hernandezii. ♀ad. Clear Creek, 6 miles from Fort Verde, Arizona. July 25, 1886. Skin, skull, atlas, axis and os penis.

No. 439. Lynx rufus maculatus. ♀ad. Clear Creek, 6 miles from Fort Verde, Arizona. Aug. 1, 1886. Skin, skull atlas and axis.

No. 440. Antilocapra americana. ♀ad. Mogollon Mts, N.E. of Ft Verde, Arizona. Aug. 2, 1886. Horns, a piece of skull and skin of head. The latter not preserved.

No. 441. Mephitis mephitica ♂ juv. Clear Creek, 6 miles from Fort Verde, Arizona. Aug. 2, 1886. Skin made up with skull inside.

No. 442. Dipodomys phillipsi ordii. ♂ juv (young of the year). Aug. 3, 1886. Skin and skull. Fort Verde, Arizona.

No. 443. Tamias harrisi. ♂ juv. (young of the year). Fort Verde, Arizona, August 7, 1886. Skin made up with skull inside.

No. 444. Parus Brown Bat. ♀ad. Fort Verde, Arizona, Aug. 10, 1886. Skin & skull.

No. 445 Lepus texianus. 1886. Ft. Verde, Ariz. ♀ad. Skull only preserved

No. 446 Lepus texianus. ♀ad. Fort Verde, Arizona 1886. Skull only preserved.

No. 447. Lepus texianus. ♀ ad. Fort Verde, Arizona 1886. Skull only preserved.

No. 448 Lepus sylvaticus arizonae. ♀ad. Fort Verde, Arizona. August 16, 1886. Skin & skull.

Lepus texianus, Waterhouse. - In a letter from Lieut. L. H. Strottier, 1st Infantry, U.S.A. dated Fort McDermit, Nevada, July 29, 1886, he writes as follows: "Here I am with the ther. 88° in the shade at 2 P.M., the nights cold enough for a light overcoat, and the mountains surrounding the place covered with snow. The post inside of the fence is green, with the porches of the quarters nicely shaded with trees and rose-bushes. The country is barren and covred with sagebrush, though the river-bottom furnishes quite a relief, being covered with grass. The road from the depot is through almost a desert. There were several pretty farms located on streams coming from the mountains, which soon sank. I was astonished at the number of Jack-rabbits. In some places they had destroyed the crops; at others men were paid fifty dollars per month to shoot them. Even here, every evening you can see twenty or thirty. Yesterday I saw at least eight - one after another - running up a hill, not a foot apart. (Oh! for a pack of grey-hounds! The fishing is excellent; the shooting of young sage hens good a short ways from the post; and the ducks summer only eight miles down the river. Seventy miles north the deer are plentiful." 72, 69,

Didelphys Virginiana. - Mr. Benjamin P. Keith informed me that he had killed opossums in the Katskill Mountains, New York, near the village of Catskill.

5

"Gray Rabbits (Measurements of fresh specimens)."*

"Number	1	2	3
Sex	doe	buck	doe
Date	1871 Jan. 10	1871 Apr. 18	1871 Apr. 18
Nose to eye	1.90	1.90	1.89
" " ear	3.12	3.12	3.12
" " occiput	3.15	3.16	3.14
" " root of tail	15.00	15.75	14.90
" " end of outstretched hind leg	23.50	24.50	23.10
Tail, from root to end of vertebrae	1.95	2.00	1.94
" " " " " " hairs	2.75	2.80	2.69
Ears, height anteriorly	2.90	3.00	2.87
" " posteriorly	3.00	3.02	2.96
" " internally above skull	3.00	3.02	2.96
" width.	1.75	1.76	1.79
Arms, between claws across shoulders.	14.25	14.70	14.23
" length of forearm	3.00	3.02	3.00
" from elbow to end of claws	4.75	4.80	4.69
" fore foot to end of claws	1.80	1.81	1.80
" longest claw	.25	.25	.25
Leg, from knee-joint to end of claws	7.25	7.27	7.24
" tibia	3.35	3.37	3.35
" hind foot from heel to end of claws	3.28	3.30	3.31
" longest claw	.32	.32	.32
"Weight, pounds and ounces, Avoir.	2 lbs. 13 oz.	3 lbs. 1 oz.	2 lbs. 15 oz. "

Collected at Highland Falls, Orange Co., New York.

*The specimens entered on this page and the next were the first I ever collected. The entries were copied there from the leaves of an old diary.

Edgar A. Mearns.

"Red Squirrel (Measurements of fresh specimen)."

Number	4
Sex	doe
Killed on	Feb. 10, 1871
Nose to eye	.81
" ear	1.62
" occiput	1.62
" root of tail	7.06
" end of outstretched hind legs	11.78
Tail from root to end of vertebrae	5.00
" " hairs	7.00
" greatest width.	2.60
Ears, height posteriorly	.70
" anteriorly	.70
" internally above skull	.70
" above the head	.57
Arms, between claws across shoulders	7.25
" length of fore-arm	3.25
" from elbow to end of claws	1.90
" hand from wrist	1.07
" fore foot to end of claws	1.07
Leg, from knee-joint to end of claws	3.50
" tibia	2.10
" hind foot from heel to end of claws	1.84
Total length, from nose to end of outstretched hind claws	11.78
Total length, from nose to end of tail	14.55

* The
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✓ Lepus
✓ Lepus
✓ Erith
✓ Casto
✓ Dipod
✓ Thomo
✓ Thom
✓ Sciur
✓ Sciur
✓ Sciur
✓ Tamia
✓ Tamia
✓ Tamia
✓ Tamia
✓ Sper
✓ Sper
✓ Cyno
Mus
Mus
✓ Dic
✓ Cer
✓ Car
✓ Cal
✓ Ant
✓ Ov
Ca
✓ Lo
✓ La
✓ L
✓ R

Lepus callotis ~~542~~, 552, 553, 556,

Lepus texianus 542, 543, 546, 553, 556, 564, 565, 566, 567, 572,

Erithizon dorsatus epixanthus, 556,

Castor fiber canadensis 543, 546, 547, 548, 553, 556, 559, 564, 569,

Dipodomys phillipsi ordi 543, 553, 556, 558, 569, 572,

Thomomys talpoides umbrinus 542, 545, 556, 558, 560, 568,

~~Neotoma~~ sp. ?

Sciurus hudsonius fremonti 544, 553,

Sciurus aberti 543, ~~544~~ 544, 545, 555, 570, 571,

Sciurus arizonensis 566, 568,

Tamias asiaticus quadrivattatus 543, 555,

Tamias dorsalis 541, 545, 553, 555, 558, 560, ~~567~~,

Tamias harrisi 541, 542, 543, 545, 546, 552, 555, 557, 561, 562, 565, 567, 568, 572,

Tamias lateralis 571, 572,

Spermophilus grammurus 541, 543, 551, 555, 557, 564, 566, 567, 568, 569, 571,

Spermophilus tereticaudus 551, 552, 553, 555, 557,

Cynomys columbianus 541, 542, 553, 556, 566,

Mus decumanus 556

Mus musculus 542, 543, 556 560,

Dicotyles torquatus

Cervus canadensis 555,

Cariacus leucurus crooki et mexicanus 546, 555, 570,

Cariacus macrotis montanus 546, 555, 560, 561, 563, 564, 568, 570,

Antilocapra americana 555, 560, 567, 572,

Ovis montana 555,

Canis familiaris (Indian Dog)

Long-eared Bat 541, 542, 543, 555

Large Brown Bat 550, 572,

Little Brown Bat 542, 555

Red Bat, and all other species not identified. 555, 558,

Sorex

Moles (all spp.)

Felis concolor 553, 554, 560, 561, 562, 567,
Felis domesticus 563,
Lynx rufus maculatus 554, 558, 560, 562, 563, 564, 565, 566, 572,

Lynx canadensis ?

Bassaris astuta 556, 561, 562, 563,

Canis lupus occidentalis 554,

Canis latrans 554, 567, 571, 572,

Vulpes velox 553,

Urocyon cinero-argentatus 545, 554, 563, 564,

Gulo luscus

Putorius braziliensis frenatus 571,

Mephitis mephitica 554, 557, 558, 559, 572,

Mephitis interrupta 554, 560, 561, 562, 563, 564, 568,

Conepatus mapurito 554, 558, 569, 562,

Taxidea americana berlandieri 554, 557, 559,

Lutra canadensis 555,

Procyon hernandezii 556, 563, 566, 572,

Ursus horibilus

Ursus americanus 555, 564, 571,

Neotoma mexicana 556, 559, 560, 562,
Neotoma cinerea 556
Hesperomys leucopis sonoriensis 559,

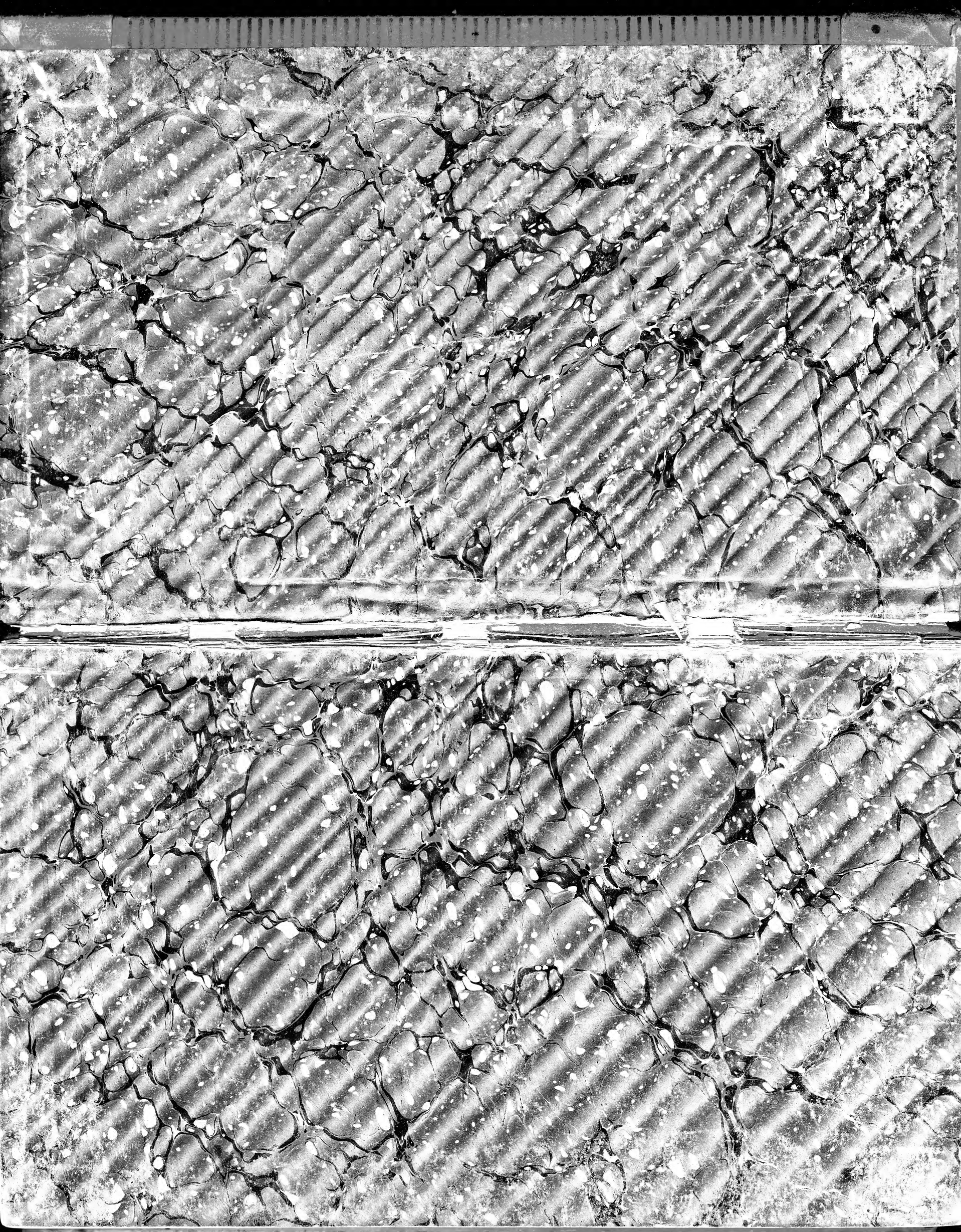
Hesperomys leucopis eremicus 544, 556, 558, 569, 560, 561, 562, 569,

Hesperomys leucogaster torridus 545, 556, 568,

Arvicola ?

Sigmodon hispidus arizonae 556, 558, 559,

Fiber zibethicus 542, 554, 556, 557, 558, 569,

Lepus sylvaticus nuttalli 545, 556,

Lepus sylvaticus arizonae, 541, 542, 543, 545, 546, 553, 556, 565, 566, 572.