





Int
#415

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 500, situated
at pp. 398-408. Simple notices of the
occurrence of species without annotations
are not indexed.]

October 10 - 1874

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I intend my journal 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 measurements, &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 migrations and modification of a few birds of this locality.

As a set of Nos 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) *Trochilus columbis* L. ♀ May 30 - 1874
Orange County N. Y.
- No 2 271 *Chaetura pelagica* (L.) Steph. ♂ May 20 - 1874
Orange Co. N. Y.
- No 3 271 *Chaetura pelagica* (L.) Steph. ♀ May 20/74
Orange Co. N. Y.
- No 4 265 *Antrostomus vociferans* (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 *Megascops crinitus* (L.) Cab. May 24 - 1874
Orange Co. N. Y. Fed.
- No 7 50 *Antitrogon troglodytes* (L.) Cass. var. *normalis* (Wils)
Wils. ♀ Apr 27/74 Peckskill, Westchester Co. N. Y. 4; 5¹³/₁₆; 1²/₁₆; 1¹/₁₆
- No 8 107 *Tyranga rubra* (L.) V. ♂ May 30 - 1874
Orange Co. N. Y.
- No 9 107 *Tyranga rubra* (L.) W. ♀ May 30 - 1874
Orange Co. N. Y.

- No 10 21 *Uremia cruentula* (L) Licht. 8 April 21 1874
Orange Co N.Y.
- No 11 22 *Regulus satrapa* Licht. 8 April 20 1874
Orange Co N.Y.
- No 12 199 *Sonipheca ludoviciana* (L) Bendich 9 May 11 1874
Orange Co N.Y.
- No 13 199 *Sonipheca ludoviciana* (L) Bendich 9 May 12 74
Orange Co N.Y.
- No 14 199 *Sonipheca ludoviciana* (L) Bendich 8 May 11 74
Orange Co N.Y.
- No 15 199 *Sonipheca ludoviciana* (L) Bendich 8 May 1 74
Orange Co N.Y.
- No 16 199 *Sonipheca ludoviciana* (L) Bendich 8 May 1 74
Orange Co N.Y.
- No 17 216 *Icterus baltimore* (L) Quidin 8 May 15 1874
Orange Co N.Y.
- No 18 216 *Icterus baltimore* (L) Quidin 8 May 20 74
Orange Co N.Y.
- No 19 216 *Icterus baltimore* (L) Quidin 8 May 11 74
Orange Co N.Y.
- No 20 216 *Icterus baltimore* (L) Quidin 8 May 11 74
Orange Co N.Y.
- No 21 216 *Icterus baltimore* (L) Quidin 8
212 *Urgelaus plumicervus* (L) V B April 28 1874
Orange Co N.Y. Several of them were so tame
as to come into the barn in search of food

- No 22 212 *Urgelaus plumicervus* (L) V B May 10 1874
Orange Co N.Y.
- No 23 10 *Sialia sialis* (L) Baldemar 8 June 20 1874
Orange Co N.Y. In barn
No 24 123 290
No 24 123 *Chalchicomula* (L) V B June 5 1874
Orange Co N.Y. In barn
- No 25 212 *Urgelaus plumicervus* (L) V B May 31 1874
Orange Co N.Y.
- No 27 290 *Coccyzus erythrophthalmus* (Miles) Bd May 24 1874
Orange Co N.Y.
- No 28 169 ~~*Coccyzus erythrophthalmus*~~ *Melospiza melodia* (Miles) Bd
June 5 1874 Orange Co N.Y.
- No 26 290 *Coccyzus erythrophthalmus* (Miles) Bd May 20 74
Orange Co N.Y.
- No 29 107 *Pyrranga rubra* (L) V B May 20 1874
Orange Co N.Y.
- No 30 212 *Picus pubescens* L. 8 March 7 1874
Orange Co N.Y.
- No 31 112 *Tachycineta bicolor* (W. G.) 8 May 22 1874
Orange Co N.Y.
- No 32 112 *Tachycineta bicolor* (W. G.) 8 May 20 1874
Orange Co N.Y.
- No 33 112 *Tachycineta bicolor* (W. G.) 8 May 23 1874
Orange Co N.Y.

- No. 34 114 Petrochelidon lunifrons Say Oct. 8
May 23 1874 Orange Co N.Y.
- No. 35 111 Hirundo horreorum Bartr. & June 10-1874
Orange Co N.Y.
- No. 36 212 Colaptes auratus (L.) Sw. & May 1-1874
Orange Co N.Y.
- No. 37 212 Colaptes auratus (L.) Sw. & May 2-1874
Orange Co N.Y.
- No. 38 212 Colaptes auratus (L.) Sw. & May 6-1874
Orange Co N.Y.
- No. 39 212 Colaptes auratus (L.) Sw. & June 21-1873
Orange Co N.Y.
- No. 40 212 Colaptes auratus (L.) Sw. & May 7-1874
Orange Co N.Y.
- No. 41 355 Buteo pennsylvanicus (Wils) Bp. May 4/1874 ♀ ad.
Orange Co N.Y. Iris light brown. cere,
tarsus and toe yellow 14 1/16; 137 1/16; 12; ^(2 eyes were developed)
_(chick's check the bird would say)
- No. 42 360 Pandion haliaetus (L.) Sw. & May 4-1874
Length 25 (The other measurements were destroyed by an accident)
Iris yellow. Legs & toes green. ^{Beak & Culmen} black Orange Co N.Y.
- No. 43 360 Pandion haliaetus (L.) Sw. & May 25-1873
Orange Co N.Y. 23 1/10; 65; -; -;
Iris brown. Was kept alive since Sep. 14/73.
- No. 44 162 Sialia sialis (L.) G. Alderman & May 9-1874
Orange Co N.Y.
- No. 45 Octoastes migratorius (L.) Sw. & May 2-1874
Orange Co N.Y.

- No. 46 10 Octoastes migratorius (L.) Sw. & May 2-1874
Orange Co N.Y.
- No. 47 71 Dendroica virens (Sw.) B. & May 1874
Orange Co N.Y.
- No. 48 16 Sialia sialis (L.) G. Alderman & Feb 20 1874
Orange Co N.Y. Taken from
1:12/10:33/10;
- No. 49 16 Sialia sialis (L.) G. Alderman & May 3-1874
Orange Co N.Y.
- No. 50 256 Corvus corax (L.) Sw. April 17-1874
Orange Co N.Y.
- No. 51 71 Dendroica virens (Sw.) B. & May 1874
Orange Co N.Y.
- No. 52 328 Corvus americanus Aud. & May 2-1874
Orange Co N.Y. Taken from nest.
- No. 53 93 or ~~Large~~ ^{Small} billed water thrush ~~97~~ ⁹⁷ ~~indianus~~ ^{indianus}
~~-ensis 1871 B. indianus (W) Bp. & May 14 1874 Orange Co N.Y.~~
- No. 54 73 ~~Sialia sialis (L.) G. Alderman & May 1874~~ ^{indianus (W) Bp. &}
May 7-1874 Orange Co N.Y.
- No. 55 92 Semiopteryx aurocapillus (L.) Sw. & May 10-1874
Orange Co N.Y.
- No. 56 58 Parula americana (W) Bp. May 1874
Orange Co N.Y.
- No. 57 122 Mniotilta americana (L.) G. June 3-1874
Orange Co N.Y.
- No. 58 212 Tyrannus carolinensis (L.) Sw. & June 6-1874
Orange Co N.Y.
- No. 59 234 Cyanurus cristatus (L.) Sw. & May 23-1874
Orange Co N.Y.
- No. 60 234 Cyanurus cristatus (L.) Sw. & May 24-1874
Orange Co N.Y.
- No. 61 211 Melospiza pecoris (Gm.) Sw. & June 1-1874
Orange Co N.Y.

- No. 63 211 *Melospiza junco* (Aud.) W. & May 21 1874
Orange Co. N.Y.
- No. 63 212 *Melospiza junco* (Aud.) W. & May 21 1874
Orange Co. N.Y.
- No. 64 204 *Pipilo erythrophthalmus* (L.) W. & May 21 1874
Orange Co. N.Y.
- No. 65 265 *Melospiza cinerea* (Wils.) W. & May 21 1874
Orange Co. N.Y.
- No. 66 215 *Melospiza cinerea* (Wils.) W. & May 18 1874
Orange Co. N.Y.
- No. 67 *Melospiza cinerea* (Wils.) W. & May 18 1874
Orange Co. N.Y.
- No. 68 436 *Tringoides macularius* (L.) W. & May 9 1874
Orange Co. N.Y.
- No. 69 114 *Spizella pusilla* (Wils.) W. & Apr 28 1874
Orange Co. N.Y.
- No. 70 149 *Carpodacus tristis* (L.) W. & May 18 1874
Orange Co. N.Y.
- No. 71 149 *Carpodacus tristis* (L.) W. & May 18 1874
Orange Co. N.Y.
- No. 72 51 *Ammodramus junco* (Wils.) W. & May 28 1874
Orange Co. N.Y.
- No. 73 84 *Dendroica maculosa* (Y.) Baird & May 18 1874
Orange Co. N.Y.
- No. 74 84 *Dendroica maculosa* (Y.) Baird & May 18 1874
Orange Co. N.Y.
- No. 75 10 *Dendroica aestiva* (Aud.) W. & May 18 1874
Orange Co. N.Y.
- No. 76 81 *Dendroica striata* (Forst.) W. & May 18 1874
Orange Co. N.Y.
- No. 77 57 *Meristilla varia* (L.) W. & May 18 1874
Orange Co. N.Y.
- No. 78 97 *Actolypis trichas* (L.) Cab. & May 18 1874
Orange Co. N.Y.
- No. 79 100 *Icteria virens* (L.) W. & June 2 1874
Orange Co. N.Y.

- No. 80 *Icteria virens* (L.) W. & May 10 1874
Orange Co. N.Y.
- No. 81 76 *Dendroica caerulescens* (L.) W. & May 18 1874
Orange Co. N.Y.
- No. 82 76 *Dendroica caerulescens* (L.) W. & May 18 1874
Orange Co. N.Y.
- No. 83 78 *Dendroica coronata* (L.) W. & May 18 1874
Orange Co. N.Y.
- No. 84 82 *Dendroica castanea* (Wils.) W. & May 18 1874
Orange Co. N.Y.
- No. 85 83 *Dendroica pennsylvanica* (L.) W. & May 8 1874
Orange Co. N.Y.
- No. 86 83 *Dendroica pennsylvanica* (L.) W. & May 11 1874
Orange Co. N.Y.
- No. 87 78 *Dendroica coronata* (L.) W. & May 18 1874
Orange Co. N.Y.
- No. 88 83 *Dendroica pennsylvanica* (L.) W. & May 12 1874
Orange Co. N.Y.
- No. 89 83 *Dendroica pennsylvanica* (L.) W. & June 6 1874
Orange Co. N.Y.
- No. 90 90 *Dendroica palmarum* (Sw.) W. & Apr 4 1874
Orange Co. N.Y.
- No. 91 New albino Warbler (*Helminthophila peregrina*)
Orange Co. N.Y. May 14 1874
- No. 92 67 *Helminthophila ruficapilla* (Wils.) W. & May 18 1874
Orange Co. N.Y.
- No. 93 67 *Helminthophila ruficapilla* (Wils.) W. & May 18 1874
Orange Co. N.Y.
- No. 94 67 *Helminthophila ruficapilla* (Wils.) W. & May 18 1874
Orange Co. N.Y.
- No. 95 258 *Carpodacus virens* (L.) W. & May 18 1874
Orange Co. N.Y.
- No. 96 80 *Dendroica blackburniae* (Sw.) W. & May 18 1874
Orange Co. N.Y.
- No. 97 126 *Aluco flavifrons* (L.) W. & May 25 1874
Orange Co. N.Y.

- No. 98 125 *Vireo flavifrons* V. ♂ June 6 - 1874
Orange Co. N. Y. - Shot on nest with 2 eggs.
- No. 99 126 *Vireo flavifrons* V. ♂ May - 1874
Orange Co. N. Y.
- No. 100 122 *Vireo olivaceus* (L.) V. ♂ May 1874
Orange Co. N. Y.
- No. 101 216 *Icterus baltimorensis* (L.) Apr 1 - 1874
Hickland Falls N. Y.
- No. 102 10 *Geothlypis trichas* (L.) ♂ May 23 - 1874
Orange Co. N. Y.
- No. 103 169 *Dendroica striata* (Vireo) ♂ Feb 26 - 1874
Orange Co. N. Y.
- No. 104 119 *Ampelis cedrorum* (V.) ♂ June 17 - 1874
Orange Co. N. Y.
- No. 105 119 *Ampelis cedrorum* (V.) ♂ June - 1874
Orange Co. N. Y.
- No. 106 119 *Ampelis cedrorum* (V.) ♂ Dec. 24 - 1873
Orange Co. N. Y.
- No. 107 *Helminthophila vermivora*
- No. 108 1 *Turdus a. migratorius* L. ♂ Mar. 10 - 1874
Orange Co. N. Y.
- No. 109 216 *Icterus baltimorensis* (L.) ♂ May 14 - 1874
Orange Co. N. Y.
- No. 110 16 *Sialia sialis* (L.) ♂ Haldeman ♂ May 11 - 1874
Orange Co. N. Y.
- No. 111 16 *Sialia sialis* (L.) ♂ Haldeman ♀ May 1 - 1874
Orange Co. N. Y.
- No. 112 16 *Sialia sialis* (L.) ♂ Haldeman ♂ Dec 1 - 1873
Orange Co. N. Y.
- No. 113 188 *Passerella iliaca* (Merrem.) ♂ Jun. ♀ Mar 15 - 1874
Orange Co. N. Y.
- No. 114 188 *Passerella iliaca* (Merrem.) ♂ Jun. ♀ Mar 15 - 1874
Orange Co. N. Y.
- No. 115 178 *Spizella socialis* (Wils.) ♂ May 3 - 1874
Orange Co. N. Y.

- No. 116 4 *Protonotaria pallasi* (Cabr) ♀ April 29 - 1874
Orange Co. N. Y. Caught in the house. Not caught it.
- No. 117 199 *Cyanospiza cyanea* (L.) ♂ May 13 - 1874
Orange Co. N. Y.
- No. 118 199 *Cyanospiza cyanea* (L.) ♂ May 13 - 1874
Orange Co. N. Y.
- No. 119 215 *Icterus baltimorensis* (L.) ♂ May 11 - 1874
Orange Co. N. Y.
- No. 120 216 *Icterus baltimorensis* (L.) ♂ May 11 - 1874
Orange Co. N. Y.
- No. 121 9 *Mimus carolinensis* (L.) ♂ May 1874. H. F.
- No. 122 216 *Icterus baltimorensis* (L.) ♂ May 14 - 1874
Orange Co. N. Y.
- No. 123 216 *Icterus baltimorensis* (L.) ♂ May 14 - 1874
Orange Co. N. Y.
- No. 124 182 *Zonotrichia albicollis* (Gmel) ♂ May 19, 1872
Orange Co. N. Y.
- No. 125 16 *Sialia sialis* (L.) ♂ Haldeman ♂ May 10 - 1874
Orange Co. N. Y.
- No. 126 458 *Myctiaria grisea* (L.) ♂ Steph var. *naevia* (Bodd.) Allen
♂ June 4 - 1874 - Warner's Island. Putnam Co. N. Y.
- No. 127 182 *Zonotrichia albicollis* (Gmel) ♂ 1872
- No. 128 242 *Tyrannus carolinensis* (L.) ♂ May 12 - 1874
Orange Co. N. Y.
- No. 129 247 *Mniotilta cristata* (L.) ♂ June 17 - 1874
Orange Co. N. Y.
- No. 130 458 *Myctiaria grisea* (L.) ♂ Steph var. *naevia* (Bodd.) Allen
variety *naevia* (Bodd.) Allen, Putnam Co. N. Y. ♀ June 4/74
- No. 131 458 *Myctiaria grisea* (L.) ♂ Steph var. *naevia* (Bodd.) Allen
June 4 - 1874 - Warner's Island. Put. Co. N. Y.
- No. 132 458 *Myctiaria grisea* (L.) ♂ Steph var. *naevia* (Bodd.) Allen
♀ June 4 - 1874 - Warner's Island. Put. Co. N. Y.
- No. 133 458 *Myctiaria grisea* (L.) ♂ Steph var. *naevia* (Bodd.) Allen
♂ June 4 - 1874 - Warner's Island. Put. Co. N. Y.

- No 134⁵ *M. t. ardea grisea* (L.) Steph. var. *navia* (Bodd.) Men & June 4-1874 Warner's Island Putnam Co. N.Y.
- No 135 101 *M. diodictes mitratus* (G. V.) Aud. ♀ July 13-1874 Highland Falls N.Y.
- No 136 123 *Vireo olivaceus* (L.) V. ♂ July 13-1874 Highland Falls N.Y.
- No 137 254 *Ceryle alcyon* (L.) Bon. ♂ July 14-1874 Highland Falls N.Y.
- No 138 214 *Sturnella magna* (L.) Sw. juv. (L. S. L.) Cold Spring N.Y.
- No 139⁵ *M. t. ardea grisea* (L.) Steph. var. *navia* (Bodd.) Men ♂ Hornet June 20-1874 Warner's Island H.R. N.Y.
- No 140⁵ *M. t. ardea grisea* (L.) Steph. var. *navia* (Bodd.) Men ♂ June 26-1874 Warner's Island H.R. N.Y.
- No 141 199 *Cyanospiza cyanea* (L.) Bd. ♂ July 24-1874 Highland Falls N.Y.
- No 142 198 *Cyanospiza cyanea* (L.) Bd. ♂ July 25-1874 Highland Falls N.Y.
- No 143 11 *Querquedula versicolor* (Gmel) Bd. ♂ July 24-1874 Highland Falls N.Y.
- No 144 60 *Helminthophila verivivora* ♂ July 25-1874 Highland Falls N.Y.
- No 145 10 *Caprimulgus rufus* (L.) Cab. ♀ juv. July 25-1874 Highland Falls N.Y.
- No 146⁵ *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 *Contopus leucurus* ♀ ad. Apr. 24, 1874. Highland Falls, N.Y.
- No 150 ~~*Lachyocitta leucor*~~ *Petrochelidon lunifrons* juv. July 28, 1875. Highland Falls, N.Y.
- No 151 *Ampelis cedrorum*. ♂ ad. July 29, 1875. H. F.

- No 152 *Myiarchus crinitus* ♂ juv. July 30, 1875
- No 153 *Myiarchus crinitus* ♀ juv. July 30, 1875
- No 154 58 *Vireo americanus* (L.) B. P. ♂ June 10-1874 Orange Co. N.Y.
- No 155 87 *Querquedula striata* (Finst.) Bd. ♂ June 10-1874 Orange Co. N.Y.
- No 156 44 *Ammeria longirostris*. Ald. ♂ V. 18 - 1874 Washington Market N.Y. 24340. 11765 - .
Legs light green-brown - Bill black - ...
Anch to end of toes 257/61
- No 157 39 *Sitta canadensis* L. ♀ juv. Aug 31 1874 Highland Falls N.Y.
- No 158 39 *Sitta canadensis* L. ♂ July 4-1874 Highland Falls N.Y.
Bill, ... feet brown. Bill blk. - ... base of mandible
Culmen 1 7/16. - 4 7/16 8 7/16 2 7/16 1 7/16.
- No 159 89 *Sitta canadensis* L. ♂ August 31-1874 Highland Falls N.Y.
- No 160 39 *Sitta canadensis* L. - July 2-1874 Highland Falls N.Y.
- No 161 122 *Vireo olivaceus* (L.) V. ♂ Aug 30-1874 Highland Falls N.Y.
- 10 - 3 7/16 - 1 5/16 - Iris bright red - Maxilla black
Mandible flesh-color with an indistinct longitudinal
line on sides - legs ...
- No 162 119 *Amphispiza cedrorum* (V.) Bd. ♂ juv. Aug 31-1874 Highland Falls N.Y.
- No 163 299 *Vireo pubescens* L. ♂ juv. Sep 3-1874 Highland Falls N.Y.
- No 164 212 *Stelgidopteryx serripennis* L. V. ♂ juv. Sep 10-1874 Highland Falls N.Y.
- No 165 *Burdus migratorius* L. ♂ juv. Aug 29-1874 Highland Falls N.Y.
- No 166 *Junco melanocoryphus* L. ♂ juv. Aug 28-1874 Highland Falls N.Y.

- No 167 1 *Turdus migratorius* L. ♂ juv Aug 31 - 1874
Highland Falls N.Y.
- No 168 288 *Accipiter velox* L. ♂ Sep 1 1874
Highland Falls N.Y.
- No 169 344 ~~*Accipiter velox*~~ *Accipiter fasciatus* G. ♂ Sep 4 - 1874
Highland Falls N.Y. length 11 1/4
Irides, legs, feet and cere yellow - Was wounded and kept for some time alive
- No 170 468 *Porzana carolina* (L.) V. ♂ juv - 1874
Highland Falls N.Y. - length to end of toes 12 8 1/4 14 3/4 4 1/4 1 3/4
Stomach was filled with fine white gravel and a quantity of crushed snails.
Iris brown - legs & feet greenish yellow
Bill greenish yellow in mandible and yellowish green on maxilla.
- No 171 468 *Porzana carolina* (L.) V. ♂ Sep 9 - 1874
Highland Falls N.Y. length to end of toes 12 3/4
9 1/4 14 4 1/4 2 1/4
Iris, bill & feet like (170) above.
- No 172 286 *Ceryle alcyon* L. ♂ juv. - August 31 - 1874
Warner's Island Henderson R. Putnam Co N.Y.
- No 173 286 *Ceryle alcyon* (L.) ♂ juv. - Aug. 31 1874
Warner's Island - Henderson R. Putnam Co N.Y.
- No 174 60 *Helminthophila vermicularis* (Sw.) ♂ juv.
Highland Falls N.Y.
- No 175 299 *Accipiter velox* L. ♂ juv - Aug 26 - 1874
Warner's Island Putnam Co N.Y.
- No 176 212 *Agelaius phoeniceus* (L.) V. ♂ July 8 - 1874
Highland Falls Orange Co. N.Y.
- No 177 312 *Coturnix coturnix* L. ♂ juv Aug 19 - 1874
Highland Falls Orange Co N.Y.
- No 178
- No 179 1 *Turdus migratorius* L. ♀ Aug 22 - 1874
Highland Falls Orange Co N.Y.
Moulted

- No 180 435 *Totanus solitarius* Wilson. Aug 14 - 1874
Highland Falls N.Y.
- No 181 436 *Fringilla manicularis* (L.) ♂ juv. Aug 20 1874
Cold Spring - Putnam Co N.Y.
- No 182 *Empidonax minimus* Aug 12 1874
Highland Falls N.Y.
- No 183 70 *Androeca aestiva* (Sw.) ♂ juv. Aug 20 - 1874
Cold Spring - Putnam Co N.Y.
- No 184 129 *Vireo noveboracensis* (Sw.) ♂ juv. Aug 11 - 1874
Highland Falls N.Y.
- No 185 *Empidonax minimus* Aug 10 - 1874
Highland Falls Orange Co N.Y.
- No 186 104 *Scopelogadus nivalis* (L.) ♂ juv. ♂ Aug 19 - 1874
Highland Falls N.Y.
- No 187 *D. pennsylvanica* Warbler ♀ Aug 30 - 1874
Highland Falls N.Y.
- No 188 275 *Trochilus colubris* L. ♀ Sep 29 - 1874
Highland Falls N.Y.
- No 189 312 *Coturnix coturnix* (L.) ♂ juv. ♂ June 10 - 1874
Highland Falls N.Y.
- No 190 216 *Sialia sialis* (L.) ♂ juv. ♂ May 10 - 74
Highland Falls N.Y.
- No 191 457 *Ardea herodias* L. ♀ Aug 19 - 1873
Highland Falls N.Y.
- No 192 252 *Dayornis fusca* (Sw.) ♂ juv. ♀ May 20 1874
Highland Falls N.Y.
- No 193 188 *Coccyzus corone* (Sw.) ♂ juv. ♂ March 24 1874
Highland Falls N.Y.
- No 194 179 *Amospiza cyanea* (L.) ♂ juv. ♂ May 12 - 1874
Highland Falls N.Y.
- No 195 362 *Troglodytes aedon* (L.) ♂ juv. ♀ Sept 15 - 1874
Highland Falls N.Y. Weight 9 1/2 2 1/2
32 1/4 84 22 5/16 12 3/16 Iris brown
Bill blackish horn-color - grained. Legs & feet yellow ochre. Cervix bluish black. Reddish around base of beak and sides of mouth. Yellowish horn-color. Stomach contained full-length

vertebrae of large cells with some of the flesh on. also a quantity of milky ~~undigested~~ matter. The eye (left) was deformed the pupil being far down in the corner. I have noticed this deformity in several of the "Scoleridae".

No. 196 449 *Ardea herodias* L. Aug 17 - 1874
Rockland Co. N.Y. (Doodie Sound)

No. 197 360 *Pandion haliaetus* (L.) Jun 17 3 Seps 1874
Highland Falls Orange Co. N.Y.

Iris rich orange. Legs & feet very light green
Bill & claws black - Bill bluish at base of mandible. 21 6 1/2 18 1/2 8 1/2

Was very fat but had not taken a meal recently

No. 198 ~~*Archibuteo lagopus* L. & *Angulus cedrorum* L.~~ Feb. 26, 1874. Highland Falls N.Y.

No. 199 435 *Totanus solitarius* (Wilson) Sep 16 - 1874
Highland Falls, Orange Co. N.Y.

8 16 3/4 5 3/4 2 1/4 Length to end of toes 10
Iris brown. Bill greenish black - Legs & feet light greenish

No. 200 212 *Agelaius phoeniceus* (L.) V. 8 Jun Sep 25 1874
Highland Falls N.Y. Iris brown - Bill dusky

Legs & feet black. 8 14 4 1/4 2 3/4

No. 201 212 *Agelaius phoeniceus* (L.) V. 8 Jun Sep 25 - 1874
Highland Falls N.Y. 8 7/4 13 3/4 4 5/4 3 3/4

No. 202 212 *Agelaius phoeniceus* (L.) V. 9 Sep 25 - 1874
Highland Falls N.Y. 6 3/4 11 1/4 3 1/4 2 1/2

No. 203 122 *Vireo olivaceus* (L.) V. 8 Sep 23 - 1874
Highland Falls N.Y. 6 1/4 10 3 3/4 2 3/4

No. 204 296 *Coccyzus erythrophthalmus* (Wils.) Bds Sep 23 - 1874
Highland Falls N.Y. 11 1/4 15 1/4 5 1/4 6 1/4

Bill black - greenish at base of mandible
Iris brown. Eyelid yellow. Legs and feet greenish
Length of shortest tail feather 3 1/4

No. 205 291 *Coccyzus americanus* (L.) B. & F. Sep 23 - 1874
Highland Falls N.Y. 12 3/4 17 3/4 5 1/4 12 1/4

Iris brown. Eyelid yellow. Legs & feet greenish
Bill on ridge & tip black - mandible yellow

No. 206 107 *Laranga atrata* B. & F. Sep 23 - 1874
Highland Falls N.Y. 7 1/4 11 3/4 3 3/4 2 1/4

Iris brown. Bill dusky flesh-color. Legs and feet greenish

No. 207 *Dendroica blackburniae* B. & F. Sep 23 - 1874
Highland Falls N.Y. - Iris dark brown.

Bill and feet brown. 5 1/4 7 3/4 3 2 3/4

No. 208 *Dendroica blackburniae* F. Sep 23 - 1874
Highland Falls N.Y. - Iris, bill & feet brown

5 1/4 8 1/4 2 1/4 2 1/4

No. 209 122 *Vireo olivaceus* (L.) V. 8 Sep 23 - 1874
Highland Falls N.Y.

6 1/4 10 3 3/4 2 3/4

No. 210 169 *Mercusia variata* (Wils.) Wd. 8 Sep 23 - 1874
Highland Falls N.Y.

Bill and feet light brown. Bill darker above
Iris brown. 6 3/4 8 1/4 2 3/4 2 3/4

No. 211 234 *Cyanocitta cristata* (L.) F. 9 Sep 25 - 1874
Highland Falls N.Y. - Iris brown

Bill and feet black 11 1/4 16 3/4 5 3/4 5 3/4

No. 212 468 *Porzana carolina* 9 Sep 25 - 1874
Iris brown. Highland Falls N.Y.

Legs and feet green. Maxilla yellowish green
Mandible greenish yellow - Length to end of toe 11 1/4

8 1/4 12 1/4 3 1/4 2

No. 213 468 *Porzana carolina* (L.) V. 9 Sep 25 - 1874
Highland Falls N.Y. Iris brown

Legs and feet green. Maxilla yellowish green
Mandible greenish yellow. Length to end of toe 11 1/4

8 1/4 13 3/4 3 5/4 1 5/4

No. 214 *Dendroica striata* F. Sep 24 - 1874
Highland Falls N.Y. Iris, legs, feet and bill brown

N^o. 215 212 *Agelaius phoeniceus* (L.) V. ♂ juv. Sep. 25-1874
Highland Falls N.Y. Iris brown. Bill dusky
Legs & feet black. 8; 14; 4 1/4; 2 1/4.

N^o. 216 *Tachycineta bicolor* ♂ juv. July 28, 1874.
5 3/4 12 1/4 Highland Falls, New York.

N^o. 217 435 *Soturnus solitarius* Vire. ♂ Sep. 16 1874
Highland Falls N.Y. Iris brown
Bill greenish black. Legs light greenish
length to end of toe. 10 + 8 / 16 3/16 5 3/16 2 1/16

N^o. 218 212 *Agelaius phoeniceus* (L.) V. ♀ Sep. 25-1874
Highland Falls N.Y. Iris brown
Bill dark. Legs & feet black.
7 1/16 12 3/16 4 3/16

N^o. 219 449 *Ardea herodias* L. July 30 1874
197 Highland Lake Rockland Co. N.Y.

N^o. 220 360 *Pandion haliaetus* (L.) Savigny ♂
Highland Falls N.Y. Sep 8-1874
Iris orange - Legs & feet very light green
Bill and claws black. Bill bluish at base
of Mandible. 21 61 1/16 18 1/16 8 1/16
Was very fat but had not taken a
meal recently.

N^o. 221 286 *Ceryle alcyon* (L.) Boie ♀ Sep 29 1874
Highland Falls N.Y. - Pany's Pond.
Iris dark brown. Legs and feet dusky brown color.
Bill bluish black, greenish at base.
Stomach contained fish scales and bones
also some tape worms. Bill above ----- 2 3/16
12 1/16 21 3/16 6 3/16 " along gape 2 1/16

N^o. 222 234 *Cyanurus cristatus* (L.) Sw. ♂ Sep 30-1874
Highland Falls N.Y. Iris brown
Bill and feet black

N^o. 223 204 *Pipilo erythrophthalmus* ♂ Sep 30-1874
Highland Falls N.Y. - Iris brown
feet light brown - Bill dark
8 1/16 11 3/16 3 3/16 3 1/16

N^o. 224 139 *Capidacus fulvus* (Sw.) Sw. juv. Oct 6-1874
Highland Falls N.Y. 6 2/16 9 10/16 3 3/16 2 1/16
Iris dark brown - Bill & feet light brown.

A List of the Birds I have seen each Day
from
March 5/74 to Oct 6/74

March 5/74

- Count N^o:
- 547 *Larus argentatus* Bonn.
 - 1 *Turdus americanus migratorius* Linn
 - 16 *Sialia sialis* (L.) Kaldeman.
 - 119 *Amphisp. citorum* (V.) Baird.
 - 174 *Junco hyemalis* (L.) Sc.
 - 187 *Passer domesticus* Linn.
 - 188 *Passerella iliaca* (Merrem.) Sw. First seen.
 - 228 *Corvus americanus* Audubon.
 - 370 *Ectopistes migratorius* (L.) Sw. First seen.
 - 385 *Bonasa umbellus* (L.) Steph.
 - 546 ? *Larus marinus* L.

March 6/74

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Kaldeman.
- 31 *Parus atricapillus* L.
- 169 *Melospiza melodia* (Vire.) Gd.
- 174 *Junco hyemalis* (L.) Sc.
- 177 *Spizella monticola* (Sw.) Gd.
- 188 *Passerella iliaca* (Merrem.) Sw.
- 225 *Quiscalus purpureus* (Bartr.) Licht. First seen.
- 228 *Corvus americanus* Audubon.

385 Bonasa umbellus (L.) Steph.

March 7/74

- 16 Sialia sialis (L.) Haldeman
 169 Melospiza melodia (Wils.) Bd.
 174 Junco hyemalis (L.) Scb.
 228 Corvus americanus Aud.
 234 Cyanurus cristatus (L.) Swainson

March 8/74

- 1 Turdus migratorius L.
 16 Sialia sialis (L.) Haldeman
 31 Parus atricapillus L.
 169 Melospiza melodia (Wils.) Bd.
 187 Passer domesticus Linn.
 228 Corvus americanus Aud.

March 9/74

- 1 Turdus migratorius L.
 16 Sialia sialis (L.) Haldeman
 119 Ampelis cedrorum (V.) Bd.
 174 Junco hyemalis (L.) Scb.
 177 Spizella monticola (Gm.) Bd.
 188 Passerella iliaca (Merr.) Sw.
 228 Corvus americanus Aud.

March 10/74

- 1 Turdus migratorius L.
 16 Sialia sialis Linn.
 119 Ampelis cedrorum (V.) Bd.
 169 Melospiza melodia (Wils.) Bd.
 174 Junco hyemalis (L.) Scb.
 177 Spizella monticola (Gm.) Bd.
 188 Passerella iliaca (Merr.) Sw.
 228 Corvus americanus Aud.
 234 Cyanurus cristatus (L.) Sw.
 299 Ocus pubescens L.

March 11/74

- 16 Sialia sialis (L.) Haldeman
 177 Spizella monticola (Gm.) Bd.
 228 Corvus americanus Aud.

March 12/74

- 1 Turdus migratorius L.
 16 Sialia sialis (L.) Haldeman
 31 Parus atricapillus L.
 119 Ampelis cedrorum (V.) Bd.
 169 Melospiza melodia (Wils.) Bd.
 174 Junco hyemalis (L.) Scb.
 177 Spizella monticola (Gm.) Bd.
 188 Passerella iliaca (Merr.) Sw.
 228 Corvus americanus Aud.
 352 Buteo lineatus (Gm.) Gurd.

March 13/74

- 1 Turdus migratorius L.
 16 Sialia sialis (L.) Haldeman
 119 Melospiza melodia (Wils.) Bd.
 169 Ampelis cedrorum (V.) Bd.
 177 Spizella monticola (Gm.) Bd.
 228 Corvus americanus Aud.

March 14/74

- 1 Turdus migratorius L.
 16 Sialia sialis (L.) Haldeman
 228 Corvus americanus Aud.
 302 Colaptes auratus (L.) Sw. & G.

March 15/74

- 16 Sialia sialis (L.) Haldeman
 177 Spizella monticola (Gm.) Bd.
 187 Passer domesticus Linn.
 188 Passerella iliaca (Merr.) Sw.

- 228 *Corvus americanus* Aud.
317 *Buteo virginianus* (Aud) Bp.

March 16/74

- 1 *Turdus migratorius* L.
16 *Sialia sialis* (L) Healdeman
31 *Parus atricapillus* L.
169 *Melospiza melodia* (Vill.) Bdt.
177 *Spizella monticola* (Gm.) Bdt.
188 *Passerella iliaca* (Murrum) Sw.
228 *Corvus americanus* Aud.
299 *Picus pubescens* L.
351 *Buteo borealis* (Gm.) V.
362 *Haliaetus leucocephalus* (L.) Savigny
385 *Bonasa umbellus* (L.) Steph.
548 *Parus delawarensis* Ord.

March 17/74

- 16 *Sialia sialis* (L) Healdeman
31 *Parus atricapillus* L.
169 *Melospiza melodia* (Vill.) Bdt.
174 *Junco hyemalis* (L.) Sel.
177 *Spizella monticola* (Gm.) Bdt.
228 *Corvus americanus* Aud.
234 *Cyanurus cristatus* (L.) Sw.

March 18/74

- 1 *Turdus migratorius* L.
16 *Sialia sialis* (L) Healdeman
31 *Parus atricapillus* L.
119 *Ampelis cedrorum* (V.) Bdt.
169 *Melospiza melodia* (Wilson) Bdt.
174 *Junco hyemalis* (L.) Sel.
228 *Corvus americanus* Aud.
286 *Ceryle alcyon* (L.) Boi. First seen.
385 *Bonasa umbellus* (L.) Steph.

- 360 *Pandion haliaetus* (L.) Savigny. First seen.
362 *Haliaetus leucocephalus* (L.) Savigny
488 *Anas boschas* L.

508 *Hirundo glacialis* (L.) Leach.

546 *Parus marinus* L.

547 *Parus argentatus* Bruner

548 *Parus delawarensis* Ord.

There were a number of other Quot and Gulls which I could not distinguish.

March 19/74

- 1 *Turdus migratorius* L.
16 *Sialia sialis* L. Healdeman
31 *Parus atricapillus* L.
119 *Ampelis cedrorum* (V.) Bdt.
169 *Melospiza melodia* (Wilson) Bdt.
174 *Junco hyemalis* (L.) Sel.
177 *Spizella monticola* (Gm.) Bdt.
188 *Passerella iliaca* (Murrum) Sw.
221 *Scolopagus ferrugineus* (Gm.) Sw. First seen
228 *Corvus americanus* Aud.
234 *Cyanurus cristatus* (L.) Sw.
362 *Haliaetus leucocephalus* (L.) Savigny
385 *Bonasa umbellus* (L.) Steph.
547 *Parus argentatus* Bruner.

March 20

- 1 *Turdus migratorius* L.
16 *Sialia sialis* (L) Healdeman
119 *Ampelis cedrorum* (V.) Bdt.
169 *Melospiza melodia* (Wilson) Bdt.
174 *Junco hyemalis* (L.) Sel.
177 *Spizella monticola* (Gm.) Bdt.
188 *Passerella iliaca* (Murrum) Sw.
149 *Chrysomitris tristis* (L.) Bp.
228 *Corvus americanus*
299 *Picus pubescens* L.
385 *Bonasa umbellus* (L.) Steph.

March 21/74

- 1 *Turdus migratorius* L.
 16 *Sialia sialis* (L.) Healdeman
 119 *Ampelis cedrorum* (V.) Bd.
 149 *Chrysomitris tristis* (L.) Gfr.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sch.
 177 *Spizella monticola* (Gm.) Bd.
 228 *Corvus americanus* Aud.
 252 *Bayornis fuscus* (Gm.) Bd. Fruit seen
 299 *Picus pubescens* L.

March 22/74

- 1 *Turdus migratorius* L.
 16 *Sialia sialis* (L.) Healdeman
 31 *Parus atricapillus* L.
 119 *Ampelis cedrorum* (V.) Bd.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sch.
 177 *Spizella monticola* (Gm.) Bd.
 188 *Passerella iliaca* (Merrem) Sw.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 221 *Scolopagus ferrugineus* (Gm.) Sw.

March 23/74

- 1 *Turdus migratorius* L.
 16 *Sialia sialis* (L.) Healdeman
 174 *Junco hyemalis* (L.) Sch.
 177 *Spizella monticola* (Gm.) Bd.
 187 *Passer domesticus* Linn.
 188 *Passerella iliaca* (Merrem) Sw.

March 24/74

- 1 *Turdus migratorius* L.
 16 *Sialia sialis* (L.) Healdeman

- 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sch.
 177 *Spizella monticola* (Gm.) Bd.
 228 *Corvus americanus* Aud.

March 25

- 1 *Turdus migratorius*
 16 *Sialia sialis* (L.) Healdeman
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sch.
 177 *Spizella monticola* (Gm.) Bd.
 188 *Passerella iliaca* (Merrem) Sw.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Bayornis fuscus* (Gm.) Bd.
 298 *Picus villosus* L.
 299 *Picus pubescens* L.
 351 *Contopus borealis* (Gm.) V.

March 26/74

- 1 *Turdus migratorius* L.
 16 *Sialia sialis* (L.) Healdeman
 119 *Ampelis cedrorum* (V.) Bd.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sch.
 177 *Spizella monticola* (Gm.) Bd.
 188 *Passerella iliaca* (Merrem) Sw.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Bayornis fuscus* (Gm.) Bd.
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (L.) Sw. Fruit seen
 362 *Haliaeetus leucocephalus* (L.) Savigny
 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.) Sel.
 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.) Sel.
 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.) Sel.
 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.) Sel.
 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.

April 1-1874

- 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.) Sel.
 187 *Passer domesticus* Linn.
 188 *Passerella iliaca* (Merrem) Sw.
 225 *Quiscalus purpureus* (Bartr.) Licht.
 234 *Sayornis fuscus* (Gm.) Bd.
 312 *Colaptes auratus* (L.) Sw.
 547 *Larus argentatus* Brunn.

The above were seen in Century Park N.Y.

April 3

- 287 *Passer domesticus* Linn.

April 4

- 1 *Turdus migratorius* L.
- 31 *Parus atricapillus* L.
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 177 *Spizella monticola* (Gmn.) Bd.
- 187 *Passer domesticus* Linn.
- 188 *Passerella iliaca* (Merrem) Sw.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 312 *Cotaptes auratus* (L.) Sw.
- 546 *Larus naevius* L.
- 547 *Larus argentatus* Brunn.
- 548 *Larus delawarensis* Ord.

April 5.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Healdeman
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 177 *Spizella monticola* (Gmn.) Bd.
- 188 *Passerella iliaca* (Merrem) Sw.
- 228 *Corvus americanus* (Aud.)
- 252 *Sayornis fuscus* (Gmn.) Bd.
- 299 *Picus pubescens* L.

April 6.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Healdeman
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 177 *Spizella monticola* (Gmn.) Bd.
- 188 *Passerella iliaca* (Merrem) Sw.
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fuscus* (Gmn.) Bd.
- 299 *Picus pubescens* L.

April 7.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Healdeman
- 21 *Regulus calendula* (L.) Licht.
- 22 *Regulus satrapa* Licht.
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 187 *Passer domesticus* Linn.
- 188 *Passerella iliaca* (Merrem) Sw.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 299 *Picus pubescens* L.
- 302 *Sphyrapicus varius* (L.) Bd. First seen.
- 312 *Cotaptes auratus* (L.) Sw.
- 385 *Bohara umbellus* (L.) Stept.

April 8.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Healdeman.
- 169 *Melospiza melodia* (Wils.) Baird
- 174 *Junco hyemalis* (L.) Sel.
- 177 *Spizella monticola* (Gmn.) Sw.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Sayornis fuscus* (Gmn.) Bd.
- 299 *Picus pubescens* L.
- 312 *Cotaptes auratus* (L.) Sw.

April 9.

- 1 *Turdus migratorius* L.
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 177 *Spizella monticola* (Gmn.) Bd.
- 187 *Passer domesticus* Linn.
- 188 *Passerella iliaca* (Merrem) Sw.
- 228 *Corvus americanus* Aud.

- 252 Sayornis fuscus (Sw.) Bd.
- 299 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.) Sel.
- 177 Spizella monticola (Sw.) Bd.
- 228 Corvus americanus Aud.
- 252 Sayornis fuscus (Sw.) Bd.

April 11.

- 1 Turdus migratorius L.
- 16 Sialia sialis (L.) Haldeman
- 31 Parus atricapillus L.
- 139 Carpodacus purpureus (Sw.) Sw.
- 149 Chrysomitris tristis (L.) Bp.
- 169 Melospiza melodia (Wils.) Bd.
- 174 Junco hyemalis (L.) Sel.
- 177 Spizella monticola (Sw.) Bd.
- 187 Passer domesticus Linn.
- 188 Passerella iliaca (Merrem) Sw.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 252 Sayornis fuscus (Sw.) 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.

- 22 Regulus satrapa Licht.
- 169 Melospiza melodia (Wils.) Bd.
- 174 Junco hyemalis (L.) Sel.
- 177 Spizella monticola (Sw.) Bd.
- 188 Passerella iliaca (Merrem) Sw.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 252 Sayornis fuscus (Sw.) Bd.
- 385 Bona a. umbellus (L.) Stepl.
- 178. Spizella socialis. First seen.

April 13.

- 1 Turdus migratorius L.
- 16 Sialia sialis (L.) Haldeman
- 31 Parus atricapillus L.
- 119 Amphisp. cedrorum (W.) Bd.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 149 Chrysomitris tristis (L.) Bp.
- 169 Melospiza melodia (Wils.) Bd.
- 174 Junco hyemalis (L.) Sel.
- 187 Passer domesticus Linn.
- 188 Passerella iliaca (Merrem) Sw. Last noted 50.
- 178 Spizella socialis (Wils.) Bp. ~~First seen~~
- 252 Sayornis fuscus (Sw.) Bd.
- 299 Picus pubescens L.
- 312 Colaptes auratus (L.) Sw.
- 385 Bona a. umbellus (L.) Stepl.
- 308 Zenaidura glaucialis (L.) Sel.

April 14.

- 1 Turdus migratorius L.
- 4 Zenaidura macroura (L.) Sel. First seen
- 16 Sialia sialis (L.) Haldeman
- 21 Regulus calendula (L.) Licht.
- 22 Regulus satrapa Licht.
- 31 Parus atricapillus L.

- 90 *Dendroeca palmarum* (Sw.) Bd.
 149 *Chrysomitris tristis* (L.) Sp.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sel.
 221 *Scolecophagus ferrugineus* (Sw.) Sw.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Hayornis fusca* (Sw.) Bd.
 256 *Ceryle alcyon* (L.) Boie
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (L.) Sw.
 385 *Bonasa umbellus* (L.) Stephenson.

April 10.

- 1 *Turdus migratorius* L.
 10 *Sialia sialis* (L.) Haldeman
 21 *Regulus calendula* (L.) Licht.
 22 *Regulus satrapa* Licht.
 31 *Parus atricapillus* L.
 90 *Dendroeca palmarum* (Sw.) Bd.
 9 *Sciurus noveboracensis* (L.) Coues. First seen
 119 *Empidonax griseus* (W.) Bd.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sel.
 178 *Spizella socialis* (Wils.) Bp.
 179 *Chrysomitris tristis* (L.) Bp.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Hayornis fusca* (Sw.) Bd.
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (L.) Sw.
 385 *Bonasa umbellus* (L.) Stephenson.

April 10.

- 1 *Turdus migratorius* L.
 16 *Sialia sialis* (L.) Haldeman
 21 *Regulus calendula* (L.) Licht.
 90 *Dendroeca palmarum* (Sw.) Bd.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sel.
 178 *Spizella socialis* (Wils.) Bp.
 187 *Passer domesticus* Linn.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Hayornis fusca* (Sw.) Bd.
 312 *Colaptes auratus* (L.) Sw.
 211 *Melospiza ater* (Sw.) Sw. First seen.
 385 *Bonasa umbellus* (L.) Steph.

April 17.

- 1 *Turdus migratorius* L.
 4 *Sialia sialis* (L.) Haldeman
 16 *Turdus pallasi* Cab.
 21 *Regulus calendula* (L.) Licht.
 90 *Dendroeca palmarum* (Sw.) Bd.
 1 *Sciurus noveboracensis* (L.) Coues
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sel.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Hayornis fusca* (Sw.) Bd.
 312 *Colaptes auratus* (L.) Sw.
 339 *Geothlypis cooperi* Bp.
 385 *Bonasa umbellus* (L.) Steph.
 547 *Larus argentatus* Brunn.
 548 *Larus delawarensis* Ord.

April 18.

- 1 *Turdus migratorius* L.
- 10 *Sialia sialis* (L.) *Haldeman*
- 90 *Dendroica palmarum* (Sw.) *Bd.*
- 144 *Chrysomitris tristis* (L.) *Bp.*
- 169 *Melospiza melodia* (Wils.) *Bd.*
- 174 *Junco hyemalis* (L.) *Sc.*
- 178 *Spizella socialis* (Wils.) *Bp.*
- 228 *Corvus americanus* *Aud.*
- 252 *Sayornis fusca* (Sw.) *Bd.*
- 299 *Picus pubescens* L.
- 360 *Pandion haliaetus* (L.) *Savigny.*
- 385 *Bonasa umbellus* (L.) *Steph.*

April 19.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) *Haldeman*
- 21 *Regulus calendula* (L.) *Licht.*
- 90 *Dendroica palmarum* (Sw.) *Bd.*
- 9 *Sciurus motacilla* (C.) *Leous*
- 169 *Melospiza melodia* (Wils.) *Bd.*
- 174 *Junco hyemalis* (L.) *Sc.*
- 177 *Spizella monticola* (Sw.) *Bd.*
- 119 *Ampelis cedrorum* (W.) *Bd.*
- 228 *Corvus americanus* *Aud.*
- 252 *Sayornis fusca* (Sw.) *Bd.*
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) *Sw.*
- 286 *Ceryle alcyon* (L.) *Boie.*
- 385 *Bonasa umbellus* (L.) *Steph.*
- 547 *Larus argentatus* *Bonn.*

April 20

- 1 *Turdus migratorius* L.
- 21 *Regulus calendula* (L.) *Licht.*
- 169 *Melospiza melodia* (Wils.) *Bd.*

- 178 *Spizella socialis* (Wils.) *Bp.*
- 228 *Corvus americanus* *Aud.*
- 234 *Cyanurus cristatus* (L.) *Sw.*
- 252 *Sayornis fusca* (Sw.) *Bd.*
- 312 *Colaptes auratus* (L.) *Sw.*
- 385 *Bonasa umbellus* (L.) *Steph.*
- 317 *Bubo virginianus* (Sw.) *Bp.*

April 21

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) *Haldeman*
- 21 *Regulus calendula* (L.) *Licht.*
- 31 *Parus atricapillus* L.
- 9 *Sciurus motacilla* (C.) *Leous*
- 169 *Melospiza melodia* (Wils.) *Bd.*
- 174 *Junco hyemalis* (L.) *Sc.*
- 178 *Spizella socialis* (Wils.) *Bp.*
- 187 *Passer domesticus* *Linna.*
- 228 *Corvus americanus* *Aud.*
- 252 *Sayornis fusca* (Sw.) *Bd.*
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) *Sw.*
- 385 *Bonasa umbellus* (L.) *Steph.*
- 547 *Larus argentatus* *Bonn.*

April 22.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) *Haldeman*
- 149 *Chrysomitris tristis* (L.) *Bp.*
- 169 *Melospiza melodia* (Wils.) *Bd.*
- 174 *Junco hyemalis* (L.) *Sc.*
- 178 *Spizella socialis* (Wils.) *Bp.*
- 182 *Pentstemonia albicollis* (Sw.) *Bp.* *First seen.*
- 187 *Passer domesticus* *Linna.*
- 228 *Corvus americanus* *Aud.*
- 286 *Ceryle alcyon* (L.) *Boie.*

- 252 *Dryornis fusca* (Gm.) Bd.
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (Gm.) Bp. (L) Sw.

April 23.

- 1 *Turdus migratorius* L.
 16 *Sialia sialis* (L.) Healdeman.
 21 *Regulus calendula* (L.) Licht.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sc.
 178 *Spizella socialis* (Wils.) Bp.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Dryornis fusca* (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.) Healdeman.
 21 *Regulus calendula* (L.) Licht.
 9 *Sciurus*
 149 *Chrysomitris tristis* (L.) Bp.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sc.
 178 *Spizella socialis* (Wils.) Bp.
 221 *Sceloporus ferrugineus* (Gm.) Sw.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Dryornis fusca* (Gm.) Bd.
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (L.) Sw.
 385 *Bonasa umbellus* (L.) Steph.
 546 *Larus ~~marinus~~ argentatus* L. Brunn.

April 25.

- 1 *Turdus migratorius* L.
 4 *Turdus pallasi* Cab.
 16 *Sialia sialis* (L.) Healdeman.
 21 *Regulus calendula* (L.) Licht.
 22 *Regulus satrapa* Licht.
 4 ~~*Ceryle alcyon* L.~~
 111 *Merundo horreorum* Barton First seen
 31 *Parus atricapillus* L.
 57 *Mniotilta varia* (L.) V. First seen
 90 *Dendroica palmarum* (Gm.) Bd.
 119 *Ampelis cedrorum* (V.) Bd.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sc.
 178 *Spizella socialis* (Wils.) Bp.
 187 *Passer amethystinus* Linn.
 212 *Agelaius phoeniceus* (L.) V. First seen
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Dryornis fusca* (Gm.) Bd.
 286 *Ceryle alcyon* (L.) Boi.
 312 *Colaptes auratus* (L.) Sw.
 360 *Pandion haliaetus* (L.) Savigny
 435 *Eotanus 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 surprising, since the weather is severe and the ground covered with snow and sleet.

April 26.

- 1 *Turdus migratorius* L.
- 4 *Turdus pallasi* Cab.
- 16 *Sialia sialis* (L.) Haldeman
- 149 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Selater
- 178 *Spizella socialis* (Wils.) Bp.
- 187 *Parus domesticus* Linn.
- 228 *Corvus americanus* (Aud.)
- 252 *Sayornis fusca* (Gm.) Bd.
- 312 *Colaptes auratus* (L.) Sw.
- 449 *Ardea herodias* First seen.

April 27

- 1 *Turdus migratorius* L.
- 4 *Turdus pallasi* Cab.
- 16 *Sialia sialis* (L.) Haldeman
- 21 *Regulus calendula* (L.) Licht.
- 50 *Myiarchus cinerascens* (L.) Les. var. *hyemalis* (Mer.) Os.
- 9- *Sciurus notacilla* (V.) Coues.
- 111 *Merula migratoria* (L.) Burson.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 177* *Spizella monticola* (Gm.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 183 *Zonotrichia albicollis* (Gm.) Bp.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Sayornis fusca* (Gm.) Bd.
- 286 *Ceryle alcyon* (L.) Boie - A pair were building a nest in a bank at Rosa Hook.
- 312 *Colaptes auratus* (L.) Sw.
- 351 *Buteo borealis* (Gm.) V.
- 352 *Buteo lineatus* (Gm.) Jard.

177* I think I saw no tree Sparrows after the last date (Apr 27) but of course mistook the Field Sparrow for the tree bird up to May 12.

- 338 *Otocoris fusca* (Wils.) Bp.
- 355 *Buteo borealis* (Gm.) V.
- 360 *Pandion haliaetus* (L.) Gmel.
- 370 *Ectopistes migratorius* (L.) Sw.
- 371 *Zenaidura macroura* (L.) Bp.
- 435 *Totanus solitarius* Wils.
- 449 *Chrysemoides tristis* (L.) L.
- 500 *Tringa marila* (L.) Steph.
- 546 *Larus marinus* L.
- 547 *Larus argentatus* Brunn.
- 548 *Larus delawarensis* Ord.

April 28.

- 1 *Turdus migratorius* L.
- 4 *Turdus pallasi* Cab.
- 16 *Sialia sialis* (L.) Haldeman
- 21 *Regulus calendula* (L.) Licht.
- 9- *Sciurus notacilla* (V.) Coues
- 139 *Carpodacus purpureus* (Gm.) Sw.
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 178 *Spizella socialis* (Wils.) Bp.
- 252 *Sayornis fusca* (Gm.) Bd.
- 299 *Pipilo pubescens*
- 312 *Colaptes auratus* (L.) Sw.

April 29.

- 1 *Turdus migratorius* L.
- 4 *Turdus pallasi* Cab.
- 16 *Sialia sialis* (L.) Haldeman
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 9- *Sciurus notacilla* (V.) Coues
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 177 *Spizella monticola* (Gm.) Bd.
- (178 *Spizella pusilla*?) First seen.

- 110 *Junco hyemalis* (L.) Bp.
- 113 *Zonotrichia albicollis* (Gmel.) Bp.
- 212 *Agelaius phoeniceus* (L.) V.
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fusca* (Gm.) Bd.
- 298 *Picus villosus* L.
- 312 *Colaptes auratus* (L.) Sw.
- 355 *Buteo pennsylvanicus* (Wils.) Bp.
- 370 *Ectopistes migratorius* (L.) Sw.
- 385 *Bonasa umbellus* (L.) Steph.

April 30.

- 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.) Sch.
- 177 *Spizella monticola* (Gm.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 188 *Passerella iliaca* (Merrem) Sw.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Sayornis fusca* (Gm.) Bd.
- 298 *Picus villosus* L.
- 312 *Colaptes auratus* (L.) Sw.
- 355 *Buteo pennsylvanicus* (Wils.) Bp.
- 360 *Pandion haliaetus* (L.) Savigny.
- 370 *Ectopistes migratorius* (L.) Sw.
- 385 *Bonasa umbellus* (L.) Steph.

May 1, 1874.

- 1 *Turdus migratorius* L.
- 4 *Turdus pallasi* Cab.
- 16 *Sialia sialis* (L.) Haldeman.
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 9 *Sciurus*
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sch.
- 177 *Spizella monticola* (Gm.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 182 *Zonotrichia albicollis* (Gmel.) Bp.
- 225 *Quiscalus purpuraceus* (Bart.) Licht.
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fusca* (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* Brunsw.

May 2.

- 1 *Turdus migratorius* L.
- 4 *Turdus pallasi* Cab.
- 16 *Sialia sialis* (L.) Haldeman.
- 31 *Parus atricapillus* L.
- 9 *Sciurus notacilla*
- 169 *Melospiza melodia* (Wils.) Bd.
- 177 *Spizella monticola* (Gm.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 197 *Passer domesticus* Linn.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Sayornis fusca* (Gm.) Bd.
- 112 *Tachycineta bicolor* First seen.

- 312 *Colaptes auratus* (L.) Sw.
 355 *Buteo swainsoni* (Wils.) Bp.
 360 *Pandion haliaetus* (L.) Savigny.
 547 *Larus argentatus* Brunn.

May 3.

- 1 *Turdus migratorius* L.
 4 *Turdus pallasi* Cab.
 16 *Sialia sialis* (L.) Haldeman.
 31 *Parus atricapillus* L.
 9- *Seiurus* -
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sch.
 178 *Spizella socialis* (Wils.) Bp.
 182 *Zonotrichia albicollis* (Gm.) Bp.
 187 *Passer domesticus* Linn.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Sayornis fuscus* (Gm.) Bd.
 312 *Colaptes auratus* (L.) Sw.
 370 *Ectopistes migratorius* (L.) Sw.
 547 *Larus argentatus* Brunn.
 548 *Larus delawarensis* Ord.

May 4.

- 1 *Turdus migratorius* L.
 4 *Turdus pallasi* Cab.
 16 *Sialia sialis* (L.) Haldeman.
 21 *Regulus calendula* (L.) Licht.
 57 *Mniotilta varia* (L.) V.
 9- *Seiurus*
 49 *Chrysomitris tristis* (L.) Bp.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sch.
 178 *Spizella socialis* (Wils.) Bp.
 182 *Zonotrichia albicollis* (Gm.) Bp.

- 111 *Hirundo horreorum* Gaud.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Sayornis fuscus* (Gm.) Bd.
 312 *Colaptes auratus* (L.) Sw.
 338 *Accipiter fuscus* (Gm.) Bp.
 351 *Buteo borealis* (Gm.) V.
 355 *Buteo swainsoni* (Wils.) Bp.
 370 *Ectopistes migratorius*
 385 *Bonasa umbellus* (L.) Steph.
 547 *Larus argentatus* Brunn.
 548 *Larus delawarensis* Ord.

May 5.

- 1 *Turdus migratorius* L.
 4 *Turdus pallasi* Cab.
 10 *Carpodacus mexicanus* (L.) Cab. First seen.
 16 *Sialia sialis* (L.) Haldeman.
 21 *Regulus calendula* (L.) Licht.
 31 *Parus atricapillus* Licht.
 9- *Seiurus motacilla*.
 139 *Carpodacus purpureus* (Gm.) Sw.
 169 *Melospiza melodia* (Wils.) Bd.
 174 *Junco hyemalis* (L.) Sch.
 178 *Spizella socialis* (Wils.) Bp.
 182 *Zonotrichia albicollis* (Gm.) Bp.
 225 *Quiscalus purpureus* (Baird) Licht.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Sayornis fuscus* (Gm.) Bd.
 286 *Ceryle alcyon* (L.) Boie.
 312 *Colaptes auratus* (L.) Sw.
 339 *Accipiter cooperi* Bp.
 352 *Buteo lineatus* (Gm.) Jard.

May 6.

- 1 *Turdus migratorius* L.
- 4 *Turdus pallasi* Cab.
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 7- *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.) Sch.
- 178 *Spizella socialis* (Wils.) Bp.
- 182 *Zonotrichia albicollis* (Gm.) Bp.
- 187 *Passer domesticus* Linn.
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.

May 7.

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

- 213 *Ardea herodias* L. V.
- 221 *Scolecophagus ferrugineus* (Gm.) Sw.
- 225 *Quercus purpurea* (Bartram) Licht.
- 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.

May 8.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Haldeman.
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 57 *Monticola 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.) Sch.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 *Spizella pusilla* (Wils.) Bp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 182 *Zonotrichia 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 pelagica* (L.) Steph. First seen.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 351 *Buteo borealis* (Gm.) V.
- 355 *Buteo pennsylvanicus* (Wils.) Bp.

May 7.

- 1 *Turdus migratorius* L.
- 4 *Turdus ~~fallax~~ swainsoni or alieia*
- 16 *Sialia sialis* (L.) Haldeman
- 21 *Regulus calendula* (L.) Licht.
- 47 *Troglodytes aedon* V.
- 57 *Merula varia* (L.) V.
- 58 *Dendroica coronata* (L.) Gr.
- 7- *Seiurus -- ludovicianus*
- 104 *Setophaga ruticilla* (L.) Sw. First seen.
- 107 *Pyrrhula rubra* (L.) V. First seen
- 139 *Carpodacus purpureus* (Sw.) Gr.
- 149 *Chrysomitris tristis* (L.) Bps.
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sc. Last noted
- 178 *Spizella socialis* (Wils.) Bps.
- 182 *Zonotrichia albicollis* (Sw.) Bps.
- 193 *Zonotrichia ^{ludovicianus} ~~melanocephala~~* (L.) Bps. First seen.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 216 *Icterus baltimore* (L.) Dand. First seen
- 221 *Scotocophagus ferrugineus* (Sw.) Sw.
- 225 *Quiscalus purpuraceus* (Bartr.) Licht.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Sayornis fuscus* (Sw.) Bd.
- 271 *Chaetura pelagica* (L.) Steph.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 436 *Tingoides macularius* (L.) Gr. First seen.
- 449 *Ardea herodias* L.

Spatula clypeata?

I also saw four Ducks which I think were Shovelers

498 *Spatula clypeata* (L.) Boie.

May 10.

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

May 11.

- 1 *Turdus migratorius* L.
- 7 *Turdus ~~fallax~~ swainsoni or alieia*
- 9 *Merula carolinensis* (L.) Gr. ~~First seen~~
- 10 *Carpodacus rufus* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes aedon* V.
- 57 *Merula varia* (L.) V.
- 67 *Helminthophaga ruficapilla* (Wils.) Bd.
- 78 *Dendroica coronata* (L.) Gr.
- 83 *Dendroica pennsylvanica* (L.) Bd. First seen
- 97 *Geothlypis trichas* (L.) Cab. First seen.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Herundo horreorum* Bartr.
- 139 *Carpodacus purpureus* (Sw.) Gr.

- 147 Chrysomitris tristis (S.) Bp.
- 169 Melospiza melodia (Wils.) Bd.
- 178 Spizella socialis (Wils.) Bp.
- 177 Spizella pusilla (Wils.) Bp.
- 183 Zonotrichia albicollis (Gmel.) Bp.
- 187 Passer domesticus Linn.
- 204 Pipilo erythrophthalmus (L.) V.
- 212 Agelaius phoeniceus (L.) V.
- 216 Icterus baltimore (S.) Dand.
- 221 Scolecophagus ferrugineus (Gmel.) Sw.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (S.) Sw.
- 242 Tyrannus carolinensis (S.) Bd. First seen.
- 252 Sayornis fuscus (Gmel.) Bd. First seen.
- 271 Chaetura pelagica (L.) Steph.
- 275 Trochilus colubinus L.
- 279 Picus pubescens L.
- 312 Colaptes auratus (L.) Sw.
- 100 Icteria virens (S.) First seen.

May 12.

- 1 Turdus migratorius L.
- 4 Turdus ~~pallasi~~ cat. swainsoni valisium
- 9 Merula carolinensis (L.) Gr.
- 10 Hesperophanes rufus (S.) Cat.
- 16 Sialia sialis (L.) Haldeman.
- 57 Menioltilla varia (L.) V.
- 67 Helminthophaga ruficapilla (Wils.) Bd.
- 78 Dendroica coronata (L.) Gr.
- 83 Dendroica pennsylvanica (S.) Bd.
- 92 Sturnus aureocephalus (L.) Sw.
- 9- Sturnus - - - - -
- 97 Geothlypis trichas (L.) Cat.
- 100 Icteria virens (S.) Bd.
- 111 Hirundo horreorum Barton.
- 122 Vireo olivaceus (L.) V. - First seen
- 139 Carpodacus purpureus (Gmel.) Gr.

- 149 Chrysomitris tristis (S.) Bp.
- 169 Melospiza melodia (Wils.) Bd.
- 178 Spizella socialis (Wils.) Bp.
- 182 Zonotrichia albicollis (Gmel.) Bp.
- 187 Passer domesticus Linn.
- 199 Cyanospiza cyanea (L.) Bd. First seen.
- 204 Pipilo erythrophthalmus (L.) V.
- 216 Icterus baltimore (S.) Dand.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (S.) Sw.
- 242 Tyrannus carolinensis (S.) Bd.
- 252 Sayornis fuscus (Gmel.) Bd.
- 255 Chaetura virens (S.) Cat. First seen.
- 265 Anurostomus vociferus (Wils.) Bp. First seen.
- 271 Chaetura pelagica (L.) Steph.
- 275 Trochilus colubinus L.
- 299 Picus pubescens L.
- 312 Colaptes auratus (L.) Sw.
- 385 Bonasa umbellus (L.) Steph.

May 13.

- 1. Turdus migratorius L.
- 3 Turdus mustelinus Gmel.
- 7 Merula carolinensis (L.) Gr.
- 10 Hesperophanes rufus (S.) Cat.
- 16 Sialia sialis (L.) Haldeman.
- 49 Troglodytes aedon V.
- 57 Menioltilla varia (L.) V.
- 78 Dendroica coronata (L.) Gr.
- 92 Sturnus aureocephalus (L.) Sw.
- 100 Icteria virens (S.) Bd.
- 104 Sclerophaga rusticilla (L.) Sw.
- 149 Chrysomitris tristis (S.) Bp.
- 169 Melospiza melodia (Wils.) Bd.
- 178 Spizella socialis (Wils.) Bp.
- 179 Spizella pusilla (Wils.) Bp.

- 182 Zonotrichia albicollis (Sw.) Bp.
- 278 Picus villosus L.
- 199 Cyanospiza cyanea (L.) Bd.
- 204 Pipilo erythrophthalmus (L.) V.
- 215 Icterus spurius (L.) Bp. First seen
- 216 Icterus baltimore (L.) Gaudin
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Sw.) Bd.
- 255 Contopus virens (L.) Cab.
- 265 Anthostomus vociferus (Wils.) Bp.
- 271 Chaetura pelagica (L.) Steph.
- 275 Trochilus colubius L.
- 286 Ceryle alcyon (L.) Boie. (First seen)
- 291 Ceryle erythrophthalmus (Wils.) Bd.
- 312 Colaptes auratus (L.) Sw.
- 385 Bonasa umbellus (L.) Steph.

May 14.

- 1 Eurdue migratorius L.
- 4 Eurdue ~~fallax~~ Cab. swainsoni or aliciae
- 9 Merula carolinensis (L.) Sw.
- 10 Hesperophanes rufus (L.) Cab.
- 16 Sialia sialis (L.) Halderman
- 49 Troglodytes aedon V.
- 67 Helminthophaga ruficapilla (Wils.) Bd.
- 83 Dendroica pennsylvanica (L.) Bd.
- 9- Sturnus - - -
- 104 Stetophaga ruticilla (L.) Sw.
- 111 Hirundo horreorum Barton.
- 122 Vireo olivaceus V.
- 149 Chrysomitris tristis (L.) Bp.
- 169 Melospiza melodia (Wils.) Bd.
- 178 Spizella socialis (Wils.) Bp.
- 182 Zonotrichia albicollis (Sw.) Bp.

- (187) Passer domesticus Linn.
- 199 Cyanospiza cyanea (L.) Bd.
- 204 Pipilo erythrophthalmus (L.) V.
- 212 Agelaius phoeniceus (L.) V.
- 215 Icterus spurius (L.) Bp.
- 216 Icterus baltimore (L.) Gaudin.
- 221 Scolopagus ferrugineus (Sw.) Sw.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Sw.) Bd.
- 255 Contopus virens (L.) Cab.
- 256 Empidonax ~~caeruleus~~ ^{minimus} (Sw.) Bd.
- 265 Anthostomus vociferus (Wils.) Bp.
- 271 Chaetura pelagica (L.) Steph.
- 275 Trochilus colubius L.
- 290 Ceryle erythrophthalmus (Wils.) Bd.
- 299 Picus pubescens L.
- 312 Colaptes auratus (L.) Sw.

May 15.

- 1 Eurdue migratorius L.
- 4 Eurdue ~~fallax~~ Cab. swainsoni or aliciae
- 9 Merula carolinensis (L.) Sw.
- 10 Hesperophanes rufus (L.) Cab.
- 16 Sialia sialis (L.) Halderman.
- 49 Troglodytes aedon V.
- 84 Dendroica maculosa (Sw.) Bd.
- 111 Hirundo horreorum Barton.
- 126 Vireo flavifrons V. - First seen
- 149 Chrysomitris tristis (L.) Bp.
- 169 Melospiza melodia (Wils.) Bd.
- 178 Spizella socialis (Wils.) Bp.
- 182 Zonotrichia albicollis (Sw.) Bp.
- (187) Passer domesticus Linn.
- 199 Cyanospiza cyanea (L.) Bd.

- 207 *Pipilo erythrophthalmus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Daudin.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (L.) Bd.
- 255 *Coturnix virens* (L.) Cat.
- 265 *Antrostomus vociferans* (Wils.) Bp.
- 271 *Chalchura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.

May 10.

- 1 *Turdus migratorius* L.
- 4 *Turdus ~~phalaena~~ Cat. swainsoni or alvici*
- 9 *Merula carolinensis* (L.) Gr.
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) Galdeman.
- 71 *Dendroica virens* (Gm.) Bd.
- 9- *Sturnus* -
- 100 *Icteria virens* (L.) Bd.
- 111 *Hirundo horreorum* Barton.
- 126 *Vireo flavifrons* V.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 182 *Geothlypis albicollis* (Gm.) Bp.
- (187) *Passer domesticus* Linn.
- 193 *Soniphaea melanocephala* (L.) Bowdich.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 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 *Coturnix virens* (L.) Cat.
- 271 *Chalchura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.

May 17.

- 1 *Turdus migratorius* L.
- 4 *Turdus ~~phalaena~~ Cat. swainsoni or alvici*
- 9 *Merula carolinensis* (L.) Gr.
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) Galdeman.
- 71 *Dendroica virens* (Gm.) Bd.
- 83 *Dendroica puniceiventris* (L.) Bd.
- 93 *Sturnus ~~alvici~~ Cat.*
- 9- *Sturnus* -
- 97 *Geothlypis trichas* (L.) Cat.
- 100 *Icteria virens* (L.) Baird.
- 104 *Stelophaga ruticilla* (L.) Sw.
- 107 *Pyrausta rubra* (L.) V.
- 111 *Hirundo horreorum* Barton.
- 122 *Vireo olivaceus* L.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 193 *Soniphaea melanocephala* (L.) Bowdich.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 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 *Coturnix virens* (L.) Cat.
- 256 *Empidonax ~~alvici~~ ^{meruloides} (Gm.) Bd.*
- 265 *Antrostomus vociferans* (Wils.) Bp.

- 271 Chactura fulaegia (L.) Steph.
- 275 Trochilus colubris L.
- 312 Colaptes auratus (L.) Sw.
- 355 Buteo pennsylvanicus (Wils.) Bp.
- 385 Botacornellus (L.) Stephens

May 18.

- 1 Turdus migratorius L.
- 3 Turdus mustelinus Sw.
- 4 Turdus ~~pallasi~~ swainsoni or aliciae.
- 9 Mimulus carolinensis (L.) Gr.
- 10 Hesperophthalmus rufus (L.) Cat.
- 16 Sialia sialis (L.) Haldeman.
- 49 Troglodytes aedon V.
- 83 Dendroica pennsylvanica (L.) Bd.
- 92 Sciurus arvicapillus (L.) Sw.
- 9- Sciurus
- 100 Scleria vires (L.) Bd.
- 104 Setophaga ruticilla (L.) Sw.
- 107 Paryngus rubra (L.) V.
- 111 Heirundo horreorum Barton
- 149 Chrysomitris tristis (L.) Bp.
- 169 Melospiza melodia (Wils.) Bp.
- 178 Spizella socialis (Wils.) Bp.
- (187) Passer domesticus Linn.
- 193 Saniaphea ludoviciana (L.) Bonnich
- 199 ~~Chrysomitris~~ Cyanospiza cyanea (L.) Bp.
- 204 Pipilo erythrophthalmus (L.) V.
- 215 Icterus spurius (L.) Bp.
- 216 Icterus baltimore (L.) Dandini.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Sw.) Bd.
- 255 Contopus virens (L.) Cat.
- 265 Antrostomus vociferus (Wils.) Bp.

- 271 Chactura fulaegia (L.) Steph.
- 299 Picus pubescens L.
- 312 Colaptes auratus (L.) Sw.

May 19.

- 1 Turdus migratorius L.
- 3 Turdus ~~reticulatus~~ mustelinus Sw.
- 4 Turdus ~~pallasi~~ swainsoni or aliciae
- 16 Sialia sialis (L.) Haldeman.
- 49 Troglodytes aedon V.
- 71 Andropica vires (Sw.) Bd.
- 82 Dendroica castanea (Wils.) Bd. First seen.
- 83 Dendroica pennsylvanica (L.) Bd.
- 92 Sciurus arvicapillus (L.) Sw.
- 9- Sciurus
- 100 Scleria vires (L.) Bd.
- 104 Setophaga ruticilla (L.) Sw.
- 107 Pyrranga rubra (L.) V.
- 111 Heirundo horreorum Barton
- 122 Vireo olivaceus (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.
- (187) Passer domesticus Linn.
- 193 Saniaphea ludoviciana (L.) Bonnich
- 199 Cyanospiza cyanea (L.) Bd.
- 204 Pipilo erythrophthalmus (L.) V.
- 213 Icterus spurius (L.) Bp.
- 216 Icterus baltimore (L.) Dandini
- 228 Corvus americanus Audubon
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Sw.) Bd.
- 255 Contopus virens (L.) Cat.
- 271 Chactura fulaegia (L.) Stephens

- 275 Trochilus colubris L.
- 290 Coccyzus erythrophthalmus (Wils.) Bd.
- 297 C. fuscescens L.
- 312 Colaptes auratus (L.) Sw.

May 20.

- 1 Turdus migratorius L.
- 3 Turdus mustelinus Sw.
- 4 Turdus ~~pallasi~~ ^{swainsoni or aliciae} Cab.
- 7 Mimus carolinensis (L.) Gr.
- 10 Caprimulgus rufus (L.) Cab.
- 31 Parus atricapillus L.
- 49 Troglodytes aedon V.
- 57 Mniotilta varia (L.) V.
- 71 Dendroica virens (Sw.) Bd.
- 76 Dendroica caerulescens (L.) Bd. first seen
- 78 Dendroica coronata (L.) Gr.
- 81 Dendroica striata (Forst.) Bd.
- 82 Dendroica castanea (Wils.) Bd.
- 88 Dendroica pennsylvanica (L.) Bd.
- 9- Sturnus
- 100 Icteria virens (L.) Bd.
- 104 Setophaga ruticilla (L.) Sw.
- 107 Pyrranga rubra (L.) V.
- 111 Hirundo horreorum Barton.
- 122 Vireo olivaceus (L.) V.
- 149 Chrysomitris tristis (L.) Bp.
- 169 Melospiza melodia (Wils.) Bd.
- 178 Spizella socialis (Wils.) Bp.
- 193 Sialia ludoviciana (L.) Bonnich.
- 199 Cyanospiza cyanea (L.) Bd.
- 204 Pipilo erythrophthalmus (L.) V.
- 211 Molothrus ater (Sw.) Gr. first seen.
- 212 Agelaius phoeniceus (L.) V.
- 215 Icterus spurius (L.) Bp.
- 216 Icterus baltimore (L.) Daudin.

- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Baird.
- 252 Sayornis fuscus (Sw.) Baird.
- 255 Centurus virens (L.) Cab.
- 271 Chaetura pelagica (L.) Steph.
- 275 Trochilus colubris L.
- 290 Coccyzus erythrophthalmus (Wils.) Bd.
- 312 Colaptes auratus (L.) Sw.
- 385 Bonasa umbellus (L.) Steph.
- 436 Tringoides macularius (L.) Gr.
- 489 Anas obscura Sw.

May 21.

- 1 Turdus migratorius L.
- 3 Turdus mustelinus Sw.
- 4 Turdus ~~pallasi~~ ^{swainsoni or aliciae} Cab.
- 9 Mimus carolinensis (L.) Gr.
- 10 Caprimulgus rufus (L.) Cab.
- 16 Sialia sialis (L.) G. G. Linn.
- 71 Dendroica virens (Sw.) Bd.
- 9- Sturnus
- 104 Setophaga ruticilla (L.) Sw.
- 107 Pyrranga rubra (L.) V.
- 111 Hirundo horreorum Barton.
- 122 Vireo olivaceus (L.) V.
- 169 Melospiza melodia (Wils.) Bd.
- (178) Passer domesticus Linn.
- 199 Cyanospiza cyanea (L.) Baird.
- 216 Icterus baltimore (L.) Daudin.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Sw.) Baird.
- 255 Centurus virens (L.) Cab.
- 271 Chaetura pelagica (L.) Steph.
- 355 Icterus pennsylvanicus (Wils.) Bp.

May 22.

- 1 *Turdus migratorius* L.
- 2 *Turdus mustelinus* Em.
- 7 *Turdus ~~palmeri~~ ~~cat.~~ ~~manimoni~~ ~~calicea~~*
- 9 *Mimus carolinensis* (L.) Gr.
- 10 *Carpodacus rufus* (L.) Cat.
- 14 *Sialia sialis* (L.) Waldemar.
- 74 *Dendroica caerulescens* (L.) Bd.
- 82 *Dendroica castanea* (Wils.) Bt.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Pyrrhuloxia rubra* (L.) V.
- 111 *Merula horreorum* Barton.
- 112 *Tachycineta bicolor* (W.) Es. First seen
- 114 *Petrochelidon lunifrons* (Sw.) Cat. ^{seen} first
- 115 ~~*Stelgidopteryx*~~ *Cotyle riparia* (L.) Vie.
- 122 *Vireo olivaceus* (L.) V.
- 126 *Vireo flavifrons* V.
- 147 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bp.
- 178 *Spizella socialis* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 193 *Zonotrichia leucophrys* (L.) Bonap.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Dandin
- 228 *Corvus americanus* Aud.
- 234 *Cyanus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 247 *Myiarchus crinitus* (L.) Cat. First seen.
- 252 *Sayornis fuscus* (Em.) Bd.
- 255 *Coccyzus erythrophthalmus* (L.) Cat.
- 265 *Antrostomus vociferans* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 457 *Ardea herodias* L. First seen.

May 23.

- Turdus migratorius* L.
- Turdus mustelinus* Em.
- Turdus ~~palmeri~~ ~~cat.~~ ~~manimoni~~ ~~calicea~~*
- 1 *Mimus carolinensis* (L.) Gr.
- 10 *Carpodacus rufus* (L.) Cat.
- 16 *Sialia sialis* (L.) Waldemar.
- 49 *Troglodytes aedon* V.
- 51 *Telmadactylus palustris* (Wils.) Cat.
- 57 *Mniotilta varia* (L.) V.
- 82 *Dendroica castanea* (Wils.) Bd.
- 72 *Seiurus aurocapillus* (L.) Sw.
- 7- *Seiurus* -
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Merula horreorum* Barton
- 112 *Tachycineta bicolor* (W.) Es.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bp.
- 178 *Spizella socialis* (Wils.) Bp.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 211 ~~*Merula horreorum*~~ *Merula ~~horreorum~~ ~~var.~~ ~~atrus~~* (Em.) Gr.
- 212 *Agelaius phoeniceus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Dandin
- 221 *Scolecophagus ferrugineus* (Em.) Sw.
- 228 *Corvus americanus* Aud.
- 234 *Cyanus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 247 *Myiarchus crinitus* (L.) Cat.
- 252 *Sayornis fuscus* (Em.) Bd.
- 256 *Empidonax acadicus* (Em.) Bd.
- 265 *Antrostomus vociferans* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 286 *Ceryle alcyon* (L.) Boie
- 290 *Coccyzus erythrophthalmus* (Wilem.) Baird.
- 312 *Colaptes auratus* (L.) Sw.

May 24.

- 1 *Turdus migratorius* L.
 3 *Turdus mustelinus* Sw.
 7 *Mimus carolinensis* (L.) Sw.
 10 *Carpodacus rufus* (L.) Cab.
 16 *Sialia sialis* (L.) Kalmann.
 17 *Proglotylis aedon* V.
 71 *Dendroica virens* (Sw.) Bd.
 81 *Dendroica striata* (Sw.) Boi.
 72 *Dendroica caerulea* (Wils.) Bd.
 72 *Seiurus aurocapillus* (L.) Sw.
 111 *Hirundo horreorum* Barton
 122 *Vireo olivaceus* (L.) V.
 149 *Chrysomitris tristis* (L.) Bp.
 169 *Melospiza melodia* (Wils.) Bp.
 178 *Spizella socialis* (Wils.) Bp.
 179 *Spizella pusilla* (Wils.) Bp.
 (181) *Passer domesticus* Linn.
 199 *Cyanospiza cyanea* (L.) Bd.
 204 *Pipilo erythrophthalmus* (L.) V.
 211 *Molothrus ater* (Sw.) Gr.
 212 *Agelaius phoeniceus* (L.) V.
 215 *Icterus spurius* (L.) Bp.
 216 *Icterus baltimore* (L.) Daudin.
 228 *Cornus americana* Sw.
 234 *Cyanurus cristatus* (L.) Sw.
 242 *Tyrannus carolinensis* (L.) Bd.
 252 *Sayornis fucens* (Sw.) Bd.
 255 *Leptopus virens* (L.) Cab.
 265 *Anthostomus vociferans* (Wils.) Bp.
 271 *Chaetura pelagica* (L.) Steph.
 285 *Coturnix solitaria* (Wils.)
 436 *Tringoides macularius* (L.) Sw.

May 25.

- 1 *Turdus migratorius* L.
 9 *Mimus carolinensis* (L.) Sw.
 111 *Hirundo horreorum* Barton
 149 *Chrysomitris tristis* (L.) Bp.
 178 *Spizella socialis* (Wils.) Bp.
 199 *Cyanospiza cyanea* (L.) Bd.
 215 *Icterus spurius* (L.) Bp.
 216 *Icterus baltimore* (L.) Daudin.
 228 *Cornus americana* Sw.
 234 *Cyanurus cristatus* (L.) Sw.
 242 *Tyrannus carolinensis* (L.) Bd.
 252 *Sayornis fucens* (Sw.) Bd.
 255 *Leptopus virens* (L.) Cab.
 271 *Chaetura pelagica* (L.) Steph.

May 26.

- 1 *Turdus migratorius* L.
 3 *Turdus mustelinus* Sw.
 4 *Turdus fallax* Cab. *manisani* or *aliciae*.
 9 *Mimus carolinensis* (L.) Sw.
 10 *Carpodacus rufus* (L.) Cab.
 16 *Sialia sialis* (L.) Kalmann.
 70 *Dendroica aestiva* (Sw.) Bd.
 71 *Dendroica virens* (Sw.) Bd.
 92 *Seiurus aurocapillus* (L.) Sw.
 97 *Geothlypis trichas* (L.) Cab.
 100 *Icterus virens* (L.) Bd.
 109 *Setophaga ruticilla* (L.) Sw.
 107 *Pyrranga rubra* (L.) V.
 111 *Hirundo horreorum* (L.) Steph.
 112 *Echycneta bicolor* (W.) Cab.
 117 *Progne subis* (L.) Boie.
 122 *Vireo olivaceus* (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.
 - 111 Cyanospiza cyanea (L.) Bd.
 - 204 Pipilo erythrophthalmus (L.) V.
 - 211 Molothrus ater (Gm.) Gr.
 - 212 Agelaius phoeniceus (L.) V.
 - 215 Icterus spurius (L.) Bp.
 - 216 Icterus baltimore (L.) Gaudin
 - 221 Scolecophagus ferrugineus (Gm.) Sw.
 - 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 Antrosponus vociferus (Wils.) Bp.
 - 271 Chaetura pelagica (L.) Steph.
 - 371 Zenaidura carolinensis (L.) Bp.
- Most of the above were seen near Freshkill.

May 27.

- 1 Furdus migratorius L.
- 3 Furdus ~~musclelinus~~ ^{swainsoni} Gm.
- 4 Furdus ~~musclelinus~~ ^{swainsoni} Gm.
- 9 Minus carolinensis (L.) Gr.
- 10 Harporhynchus rufus (L.) Cab.
- 14 Sialia sialis (L.) Kaldeman
- 49 Troglodytes aedon V.
- 92 Scurus aurocapillus (L.) Sw.
- 9- Scurus - - - - -
- 104 Strophaga ruticilla (L.) Sw.
- 107 Pyrranga rubra (L.) V.
- 111 Tyrundo horreorum Bartow
- 119 Ampelis cedrorum (V.) Bd.
- 122 Vireo olivaceus (L.) V.
- 169 Melospiza melodia (Wils.) Bd.

- 178 Spizella socialis (Wils.) Bp.
- 199 Cyanospiza cyanea (L.) Bd.
- 204 Pipilo erythrophthalmus (L.) V.
- 211 Molothrus ater (Gm.) Gr.
- 215 Icterus spurius (L.) Bp.
- 216 Icterus baltimore (L.) Gaudin
- 228 Corvus americanus Aud.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Gm.) Bd.
- 255 Contopus virens (L.) Cab.
- 271 Chaetura pelagica (L.) Steph.

May 28.

- Furdus migratorius L.
- 3 Furdus musclelinus Gm.
- 9 Minus carolinensis (L.) Gr.
- 10 Harporhynchus rufus (L.) Cab.
- 16 Sialia sialis (L.) Kaldeman
- 51 Helmatodytes palustris (Wils.) Cab.
- 78 Dendroica coronata (L.) Gr.
- 81 Dendroica striata (Forst.) Bd.
- 82 Dendroica castanea (Wils.) Bd.
- 92 Scurus aurocapillus (L.) Sw.
- 107 Pyrranga rubra (L.) V.
- 111 Tyrundo horreorum Bartow
- 119 Ampelis cedrorum (V.) Bd.
- 169 Melospiza melodia (Wils.) Bd.
- 178 Spizella socialis (Wils.) Bp.
- 179 Spizella pusilla (Wils.) Bp.
- (187) Passer domesticus Linw.
- 193 Goniaphea ludoviciana (L.) Bondich.
- 199 Cyanospiza cyanea (L.) Bd.
- 204 Pipilo erythrophthalmus (L.) V.
- 211 Molothrus ater (Gm.) Gr.
- 212 Agelaius phoeniceus (L.) V.
- 215 Icterus spurius (L.) Bp.

- 216 Icterus baltimore (L.) Dandini
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Sw.) Bd.
- 255 Contopus virens (L.) Cab.
- 256 Empidonax acadicus (Sw.) Bd.
- 265 Antrostomus vociferus (Wils.) Bd.
- 271 Chaetura pelagica (L.) Steph.

May 29.

- 1 Turdus migratorius L.
- 3 Turdus mustelinus Sw.
- 9 Minus carolinensis (L.) Sw.
- 10 Harporhynchus rufus (L.) Cab.
- 16 Sialia sialis (L.) Galdeman
- 49 Troglodytes aedon V.
- 70 Dendroica aestiva (Sw.) Bd.
- 71 Dendroica virens (Sw.) Bd.
- 81 Dendroica striata (Forst.) Bd.
- 82 Dendroica castanea (Wils.) Bd.
- 83 Dendroica pennsylvanica (L.) Bd.
- 92 Sciurus arvicapillus (L.) Sw.
- 9- Sciurus
- 100 Icteria virens (L.) Bd.
- 107 Pyrranga rubra (L.) V.
- 111 Hirundo horreorum (L.) Steph.
- 119 Ampelis cedrorum (V.) Bd.
- 126 Vireo flavifrons V.
- 149 Chrysomitris tristis (L.) Sw.
- 179 Spizella pusilla (Wils.) Bps.
- 199 Cyanospiza cyanea (L.) Bd.
- 204 Pipilo erythrophthalmus (L.) V.
- 211 ~~Myiarchus~~ ^{Auriparus} ater (Sw.) Sw.
- 215 Icterus spurius (L.) Sw.
- 216 Icterus baltimore (L.) Dandini

- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Sw.) Bd.
- 255 Contopus virens (L.) Cab.
- 265 Antrostomus vociferus (Wils.) Bps.
- 271 Chaetura pelagica (L.) Steph.
- 275 Trochilus colubris L.
- 312 Colaptes auratus (L.) Sw.
- 457 Ardea virescens L.

May 30.

- 1 Turdus migratorius L.
- 3 Turdus mustelinus Sw.
- 10 Harporhynchus rufus (L.) Cab.
- 16 Sialia sialis (L.) Galdeman
- 92 Sciurus arvicapillus (L.) Sw.
- 9- Sciurus
- 100 Icteria virens (L.) Bd.
- 111 Hirundo horreorum (L.) Steph.
- 119 Ampelis cedrorum (V.) Bd.
- 169 Melospiza melodia (Wils.) Bd.
- 178 Spizella socialis (Wils.) Bps.
- (187) Passer domesticus Linn.
- 199 Cyanospiza cyanea (L.) Bd.
- 204 Pipilo erythrophthalmus (L.) V.
- 211 ~~Myiarchus~~ ^{Auriparus} ater (Sw.) Sw.
- 216 Icterus baltimore (L.) Dandini
- 228 Corvus americanus Aud.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Sw.) Bd.
- 255 Contopus virens (L.) Cab.
- 247 Myiarchus crinitus (L.) Cab.
- 265 Antrostomus vociferus (Wils.) Bps.
- 271 Chaetura pelagica (L.) Steph.
- 286 Ceryle alcyon (L.) Boie
- 385 Bonasa umbellus (L.) Steph.

May 31

- 1 *Turdus migratorius* L.
- 9 *Mimus carolinensis* (L.) Gm.
- 10 *Carpodacus rufus* (L.) Cat.
- 49 *Troglodytes aedon* V.
- 107 *Pyrrhuloxia rubra* (L.) V.
- 111 *Hirundo horreorum* Barton
- 119 *Ampelis cedrorum* (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.) Gaudin
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Contopus virens* (L.) Cat.
- 271 *Chaetura pelagica* (L.) Steph.

June 1

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Mimus carolinensis* (L.) Gm.
- 10 *Carpodacus rufus* (L.) Cat.
- 16 *Sialia sialis* (L.) Haldeman
- 92 *Sciurus amrocapillus* (L.) Sw.
- 9- *Sciurus* -
- 100 *Icteria virens* (L.) Bd.
- 107 *Pyrrhuloxia rubra* (L.) V.
- 111 *Hirundo horreorum* Barton.
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (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.) Gaudin
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 247 *Myiarchus crinitus* (L.) Cat.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Contopus virens* (L.) Cat.
- 256 *Empidonax acadicus* (Gm.) Bd.
- 265 *Antrostomus vociferus* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Boie

June 2

- 3 *Turdus mustelinus* Gm.
- 9 *Mimus carolinensis* (L.) Gm.
- 10 *Carpodacus rufus* (L.) Cat.
- 57 *Mniotilta varia* (L.) V.
- 71 *Dendroica virens* (Gm.) Bd.
- 88 *Dendroica pennsylvanica* (L.) Bd.
- 9- *Sciurus* -
- 97 *Geothlypis trichas* (L.) Cat.
- 100 *Icteria virens* (L.) Bd.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Pyrrhuloxia rubra* (L.) V.
- 111 *Hirundo horreorum* Barton
- 119 *Ampelis cedrorum* (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.) Cat.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 256 *Empidonax acadicus* (Gm.) Bd.

- 271 *Hirundo pelagica*
- 286 *Ceryle alcyon* (L.) Boie.
- 260 *Pandion haliaetus* (L.) Sanguinif.

June 3.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 9 *Mimus carolinensis* (L.) Sw.
- 10 *Harporhynchus rufus* (L.) Cat.
- 92 *Scolecophagus* ~~auricapillus~~ (L.) Sw.
- 100 *Icteria virens* (L.) Bod.
- 111 *Hirundo horreorum* Barton.
- 114 *Petrochelidon lunifrons* (Say) Cat.
- 119 *Ampelis cedrorum* (V.) Bod.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bod.
- 178 *Spizella socialis* (Wils.) Bp.
- 199 *Cyanospiza cyanea* (L.) Bod.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 228 *Cornus americana* Aud.
- 242 *Tyrannus carolinensis* (L.) Bod.
- 252 *Sayornis fuscus* (Sw.) Bod.
- 255 *Coturnix virens* (L.) Cat.
- 256 *Empidonax acadicus* (Sw.) Bod.
- 271 *Chaetura pelagica* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Boie.
- 313 *Colaptes auratus* (L.) Sw.

June 4.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 9 *Mimus carolinensis* (L.) Sw.
- 10 *Harporhynchus rufus* (L.) Cat.
- 92 *Scolecophagus* ~~auricapillus~~ (L.) Sw.
- 9- *Scolecophagus* ~~auricapillus~~
- 104 *Setophaga ruticilla* (L.) Sw.

- 107 *Pranga rubra* (L.) V.
- 111 *Hirundo horreorum* Barton
- 123 *Vireo olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bod.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 *Spizella pusilla* (Wils.) Bp.
- 199 *Cyanospiza cyanea* (L.) Bod.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Dandier
- 228 *Cornus americana* Aud.
- 242 *Tyrannus carolinensis* (L.) Bod.
- 252 *Sayornis fuscus* (Sw.) Bod.
- 255 *Coturnix virens* (L.) Cat.
- 256 *Empidonax acadicus* (Sw.) Bod.
- 271 *Chaetura pelagica* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Boie.
- 385 *Tornax umbellus* (L.) Steph.
- 458 *Nycticorax nycticorax* (L.) Steph. var. *naevia* (Bodd.) Allen

June 5.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 9 *Mimus carolinensis* (L.) Sw.
- 49 *Troglodytes aedon* V.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum*
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bod.
- 178 *Spizella socialis* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* (L.) Bod.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Dandier.
- 271 *Chaetura pelagica* (L.) Steph.

June 6.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Meimnis carolinensis* (L.) Gt.
- 10 *Harporhynchus rufus* (L.) Cat.
- 100 *Icteria virens* (L.) Bd.
- 111 *Hiundo 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 *Spizella socialis* (Wils.) Bp.
- (187) *Saxer domesticus* Linn.
- 199 *Chrysomitris cyanocephala* (Wils.) Bp.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 211 *Neotoma alba* (Gm.) Gt.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Dand.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Coturnix virens* (L.) Cat.
- 265 *Antrostomus vociferus* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 290 *Coccyzus erythrophthalmus* (Wils.)

June 7.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Meimnis carolinensis* (L.) Gt.
- 10 *Harporhynchus rufus* (L.) Cat.
- 49 *Merula varia* (L.) V.
- 57 *Troglodytes aedon* V.
- 9- *Sturnus* —
- 100 *Icteria virens* (L.) Bd.
- 111 *Hiundo horreorum* Barton

- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (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.) Dand.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Coturnix virens* (L.) Cat.
- 265 *Antrostomus vociferus* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 312 *Coccyzus americanus* (L.) Gt.
- 315 *Comaca umbellus* (L.) Steph.

June 8.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Meimnis carolinensis* (L.) Gt.
- 10 *Spizella socialis* (L.) Haldernan
- 49 *Troglodytes aedon* V.
- 100 *Icteria virens* (L.) Bd.
- 111 *Hiundo horreorum* Barton
- 119 *Ampelis cedrorum* (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.) Dand.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Coturnix virens* (L.) Cat.
- 265 *Antrostomus vociferus* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Boie.
- 290 *Coccyzus erythrophthalmus* (Wils.) Bd.

June 9.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 9 *Merula carolinensis* (L.) Gr.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Erethodites cedon* V.
- 100 *Icteria virens* (L.) Bd.
- 111 *Merula horreorum* Barton
- 119 *Ampelis cedrorum* (V.) Bd.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Bp.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Gaudin
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Geothlypis trichas* (Sw.) Bd.
- 255 *Coccyzus erythrophthalmus* (Vils.) Bd.
- 271 *Chaetura pelagica* (L.) Steph.
- 312 *Colaptes auratus* (L.) Sw.

June 10.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 9 *Merula carolinensis* (L.) Gr.
- 10 *Caprimulgus rufus* (L.) Cat.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Erethodites cedon* V.
- 51 *Elanoides forficatus* (Vils.) Cat.
- 9 *Sciurus* _____
- 100 *Icteria virens* (L.) Bd.
- 111 *Merula horreorum* Barton.
- 119 *Ampelis cedrorum* (V.) Bd.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Bp.
- 212 *Agelaius phoeniceus* (L.) V.

- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Gaudin
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Geothlypis trichas* (Sw.) Bd.
- 255 *Coccyzus erythrophthalmus* (Vils.) Bd.
- 256 *Empidonax acadicus* (Sw.) Bd.
- 265 *Antrostomus vociferans* (Vils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 290 *Coccyzus erythrophthalmus* (Vils.) Bd.
- 312 *Colaptes auratus* (L.) Sw.
- 360 *Turdus halliaetus* (L.) Savigny.
- 457 *Ardea herodias* L.

June 11.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 9 *Merula carolinensis* (L.) Gr.
- 16 *Sialia sialis* (L.) Haldeman.
- 92 *Seiurus aurocapillus* (L.) Sw.
- 9 *Sciurus* _____
- 100 *Icteria virens* (L.) Bd.
- 111 *Merula horreorum* Barton
- 119 *Ampelis cedrorum* (V.) Bd.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Bp.
- (187) *Casmerodius mexicanus* (Sw.) Bp.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 216 *Icterus baltimore* (L.) Gaudin.
- 228 *Corvus americanus* Aud.
- 271 *Chaetura pelagica* (L.) Steph.
- 290 *Coccyzus erythrophthalmus* (Vils.) Bd.

June 12

- 1 *Turdus migratorius* L.
 112 *Agelaius phoeniceus* (L.) V.
 49 *Troglodytes aedon* V.
 199 *Cyanospiza cyanea* (L.) Bod.
 169 *Melospiza melodia* (Wils.) Bod.
 178 *Spizella socialis* (Wils.) Bp.
 3 *Turdus mustelinus* Sw.
 9 *Merula carolinensis* (L.) Gr.
 10 *Caprimulgus rufus* (L.) Cat.
 16 *Sialia sialis* (L.) Haldeman.
 100 *Icteria virens* (L.) Bod.
 111 *Merula horreorum* Barton.
 119 *Ampelis cedrorum* (V.) Bod.
 122 *Vireo olivaceus* (L.) V.
 149 *Chrysomitris tristis* (L.) Bp.
 204 *Pipilo erythrophthalmus* (L.) V.
 215 *Icterus spurius* (L.) Bp.
 216 *Icterus baltimore* (L.) Gaudin.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 242 *Tyrannus carolinensis* (L.) Bod.
 252 *Sayornis fuscus* (Sw.) Bod.
 255 *Coccyzus erythrophthalmus* (L.) Cat.
 256 *Empidonax acadicus* (Sw.) Bod.
 265 *Antrostomus vociferus* (Wils.) Bp.
 271 *Chaetura pelagica* (L.) Steph.
 275 *Trochilus colubris* L.

June 13.

- 1 *Turdus migratorius* L.
 9 *Merula carolinensis* (L.) Gr.
 10 *Caprimulgus rufus* (L.) Cat.
 16 *Sialia sialis* (L.) Haldeman.
 111 *Merula horreorum* Barton.
 119 *Ampelis cedrorum* (V.) Bod.

- 122 *Vireo olivaceus* (L.) V.
 149 *Chrysomitris tristis* (L.) Bp.
 169 *Melospiza melodia* (Wils.) Bod.
 178 *Spizella socialis* (Wils.) Bp.
 187 *Passer domesticus* Linn.
 199 *Cyanospiza cyanea* (L.) Bod.
 204 *Pipilo erythrophthalmus* (L.) V.
 216 *Icterus baltimore* (L.) Gaudin.
 228 *Corvus americanus* Aud.
 242 *Tyrannus carolinensis* (L.) Bod.
 252 *Sayornis fuscus* (Sw.) Bod.
 255 *Coccyzus erythrophthalmus* (L.) Cat.
 265 *Antrostomus vociferus* (Wils.) Bp.
 271 *Chaetura pelagica* (L.) Steph.
 275 *Trochilus colubris* L.
 312 *Colaptes auratus* (L.) Sw.

June 14

- 1 *Turdus migratorius* L.
 3 *Turdus mustelinus* Sw.
 9 *Merula carolinensis* (L.) Gr.
 10 *Caprimulgus rufus* (L.) Cat.
 16 *Sialia sialis* (L.) Haldeman.
 49 *Troglodytes aedon* V.
 93 *Spinus noveboracensis* (Sw.) Nutt.
 104 *Setophaga ruticilla* (L.) Sw.
 111 *Merula horreorum* Barton.
 119 *Ampelis cedrorum* (V.) Bod.
 122 *Vireo olivaceus* (L.) V.
 124 *Vireo flavifrons* V.
 149 *Chrysomitris tristis* (L.) Bp.
 169 *Melospiza melodia* (Wils.) Bod.
 178 *Spizella socialis* (Wils.) Bp.
 199 *Cyanospiza cyanea* (L.) Bod.
 204 *Pipilo erythrophthalmus* (L.) V.
 215 *Icterus spurius* (L.) Bp.

- 216 Icterus baltimore (L.) Daudin.
- 228 Corvus americanus Aud.
- 234 ~~Chrysomitris~~ yanumna cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fusca (Sw.) Bd.
- 255 Ceptopus virens (L.) Cat.
- 265 Anthrotonus vociferus (Wils.) Bp.
- 271 Chaetura pelagica (L.) Steph.
- 275 Trochilus colubus L.
- 286 Ceryle alcyon (L.) Boie.
- 290 Coccyzus erythrophthalmus (Wils.) Bd.

June 15.

- 1 Furdus migratorius L.
- 3 Furdus inornatus Sw.
- 9 Meimna carolinensis (L.) Sw.
- 16 Sialia sialis (L.) Kaldeman.
- 49 Troglodytes aedon V.
- 93 Seiurus noveboracensis (Sw.) Nutt. ?
- 100 Icteria virens (L.) Bd.
- 107 Pyrranga rubra (L.) V.
- 111 Hirundo horreorum Barton.
- 112 Tachycineta bicolor (V.) C.
- 114 Petchelidon lunifrons (Say.) Cat.
- 119 Ampelis cedrorum (V.) Bd.
- 123 Vireo olivaceus (L.) V.
- 125 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.
- 204 Pipilo erythrophthalmus (L.) V.
- 216 Icterus baltimore (L.) Daudin.
- 228 Corvus americanus Aud.
- 242 Tyrannus carolinensis (L.) Bd.

- 252 Sayornis fusca (Sw.) Bd.
- 247 Myiarchus cinerascens (L.) Cat.
- 252 Sayornis fusca (Sw.) Bd.
- 255 Ceptopus virens (L.) Cat.
- 265 Anthrotonus vociferus (Wils.) Bp.
- 271 Chaetura pelagica (L.) Steph.
- 290 Coccyzus erythrophthalmus (Wils.) Bp.
- 312 Colaptes auratus (L.) Sw.
- 360 Pandion haliaetus (L.) Savigny.

June 16.

- 1 Furdus migratorius L.
- 3 Furdus inornatus Sw.
- 10 Harporhynchus rufus (L.) Cat.
- 16 Sialia sialis (L.) Kaldeman.
- 49 Troglodytes aedon V.
- 51 Tilmatodytes palustris (Wils.) Cat.
- 93 Seiurus noveboracensis (Sw.) Nutt. ?
- 111 Hirundo horreorum Barton
- 119 Ampelis cedrorum (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 Agelaius phoeniceus (L.) V.
- 216 Icterus baltimore (L.) Daudin.
- 228 Corvus americanus Aud.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fusca (Sw.) Bd.
- 255 Ceptopus virens (L.) Cat.
- 265 Anthrotonus vociferus (Wils.) Bp.
- 271 Chaetura pelagica (L.) Steph.
- 286 Ceryle alcyon (L.) Boie.
- 312 Colaptes auratus (L.) Sw.
- 489 Spizella obscura Sw.

June 17.

- 1 *Turdus migratorius* L.
 3 *Turdus mustelinus* Gm.
 9 *Mimus carolinensis* (L.) Gr.
 10 *Carpodacus rufus* (L.) Cab.
 16 *Sialia sialis* (L.) Healdeman!
 49 *Troglodytes aedon* V.
 100 *Icteria virens* (L.) Bd.
 111 *Hirundo horreorum* Barton
 119 *Ampelis cedrorum* (V.) Bd.
 122 *Vireo olivaceus* (L.) V.
 149 *Chrysomitris tristis* (L.) Bp.
 169 *Melospiza melodia* (Wils.) Bd.
 178 *Spizella socialis* (Wils.) Bp.
 (187) *Passer domesticus* Linn.
 212 *Agelaius phoeniceus* (L.) V.
 228 *Corvus americanus* Aud.
 242 *Tyrannus carolinensis* (L.) Bd.
 252 *Sayornis fuscus* (Gm.) Bd.
 255 *Coccyzus virens* (L.) Cat.
 256 *Empidonax acadicus* (Gm.) Bd.
 265 *Anthrostromus vociferus* (Wils.) Bp.
 271 *Chaetura pelagica* (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 cedrorum* (V.) Bd.
 122 *Vireo olivaceus* (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 *Coccyzus virens* (L.) Cat.
 271 *Chaetura pelagica* (L.) Steph.

June 19.

- 1 *Turdus migratorius* L.
 3 *Turdus mustelinus* Gm.
 9 *Mimus carolinensis* (L.) Gr.
 16 *Sialia sialis* (L.) Healdeman
 49 *Troglodytes aedon* V.
 100 *Icteria virens* (L.) Bd.
 107 *Pyrranga rubra* (L.) V.
 111 *Hirundo horreorum* Barton
 119 *Ampelis cedrorum* (V.) Bd.
 122 *Vireo olivaceus* (L.) V.
 149 *Chrysomitris tristis* (L.) Bp.
 169 *Melospiza melodia* (Wils.) Bd.
 178 *Spizella socialis* (Wils.) Bp.
 (187) *Passer domesticus* Ginz.
 199 *Cyanospiza cyanea* (L.) Bd.
 204 *Pipilo erythrophthalmus* (L.) V.
 212 *Agelaius phoeniceus* (L.) V.
 216 *Sterna baltimore* (L.) Dandiv.
 228 *Corvus americanus* Aud.
 242 *Tyrannus carolinensis* (L.) Bd.
 252 *Sayornis fuscus* (Gm.) Bd.
 265 *Anthrostromus vociferus* (Wils.) Bp.
 271 *Chaetura pelagica* (L.) Steph.
 286 *Ceryle alcyon* (L.) Boie
 312 *Colaptes auratus* (L.) Gr.
 390 *Coccyzus erythrophthalmus* (Wils.) Bd.

June 20.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 7 *Merula carolinensis* (L.) Gr.
- 10 *Carpodacus rufus* (L.) Cab.
- 49 *Troglodytes aedon* V.
- 93 *Sturnus noveboracensis* (Gm.) Nutt.?
- 100 *Icteria virens* (L.) Bd.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (L.) V.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 216 *Icterus baltimore* (L.) Gaudin.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Geothlypis trichas* (Gm.) Bd.
- 255 *Coccyzus virens* (L.) Cab.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 286 *Ceryle alcyon* (L.) Boie

June 21.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 7 *Merula carolinensis* (L.) Gr.
- 10 *Carpodacus rufus* (L.) Cab.
- 49 *Troglodytes aedon* V.
- 100 *Icteria virens* (L.) Bd.
- 107 *Tyranga rubra* (L.) V.
- 111 *Hirundo horreorum* Barton.
- 119 *Ampelis cedrorum* (V.) Bd.
- 149 *Cyanospiza tristes* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bd.

- 178 *Spizella socialis* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 216 *Icterus baltimore* (L.) Gaudin
- 228 *Coccyzus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 255 *Coccyzus virens* (L.) Cab.
- 256 *Empidonax acadicus* (Gm.) Bd.
- 265 *Antrostomus vociferus* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 290 *Coccyzus erythrophthalmus* (Wils.) Bd.
- 449 *Agelaius phoeniceus* L.

June 22.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Merula carolinensis* (L.) Gr.
- 10 *Carpodacus rufus* (L.) Cab.
- 16 *Haliaeetus* (L.) Healdeman
- 49 *Troglodytes aedon* V.
- 51 *Colaptes auratus* (Wils.) Cab.
- 92 *Sturnus arcticus* (L.) Sw.
- 93 *Sturnus noveboracensis* (Gm.) Nutt.?
- 100 *Icteria virens* (L.) Bd.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (L.) V.
- 149 *Cyanospiza tristes* (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 *Agelaius phoeniceus* (L.) V.
- 216 *Icterus baltimore* (L.) Gaudin

- 241 *Coccyzus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Hayornis fusca* (Gm.) Bd.
- 255 *Contopus virens* (L.) Cab.
- 256 *Empidonax acadicus* (W.) Bd.
- 265 *Antrostomus vociferans* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 286 *Ceryle alcyon* (L.) Bris.
- 312 *Colaptes auratus* (L.) Sw.

June 23.

- 1 *Fundus migratorius* L.
- 3 *Fundus mitchellii* Gm.
- 9 *Merula carolinensis* (L.) Gr.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes aedon* V.
- 100 *Icteria virens* (L.) Bd.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Herundo horreorum* Barton
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (L.) V.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 *Spizella pusilla* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 212 *Agelaius phoeniceus* (L.) V.
- 228 *Coccyzus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Hayornis fusca* (Gm.) Bd.
- 255 *Contopus virens* (L.) Cab.
- 265 *Antrostomus vociferans* (Wilson) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 290 *Coccyzus erythrophthalmus* (Wils.) Bd.
- 312 *Colaptes auratus* (L.) Sw.

June 24

- 1 *Fundus migratorius* L.
- 3 *Fundus mitchellii* Gm.
- 9 *Merula carolinensis* (L.) Gr.
- 10 *Geothlypis trichas* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes aedon* V.
- 51 *Telmatorhynchus rufus* (L.) Cab.
- 72 *Sciurus arcticus* (L.) Sw.
- 73 *Sciurus noveboracensis* (Gm.) Nutt. ?
- 97 *Geothlypis trichas* (L.) Cab.
- 100 *Icteria virens* (L.) Bd.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Herundo horreorum* Barton
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (L.) V.
- 149 *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.
- 212 *Agelaius phoeniceus* (L.) V.
- 228 *Coccyzus americanus* Aud.
- 234 *Tyrannus carolinensis* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Hayornis fusca* (Gm.) Bd.
- 265 *Antrostomus vociferans* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 290 *Coccyzus erythrophthalmus* (Wils.) Bd.
- 299 *Pipilo erythrophthalmus* L.
- 312 *Colaptes auratus* (L.) Sw.

June 25.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 16 *Sialia sialis* (L.) Haldeman.
- 57 *Merula varia* (L.) V.
- 70 *Dendroica aestiva* (Gm.) Bd.
- 100 *Icteria virens* (L.) Bd.
- 101 *Myiodiodes nigratus* (Gm.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Herundo 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 *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.) Dand.
- 228 *Corvus americanus* Aud.
- 234 *Cyanus cristatus* (L.) Sw.
- 243 *Myiarchus carolinensis* (L.) Bd.
- 255 *Contopus virens* (L.) Cat.
- 271 *Chaetura pelagica* (L.) Steph.
- 284 *Ceryle alcyon* (L.) Boie
- 290 *Coccyzus erythrophthalmus* (Wils.) Bd.

June 26.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Merula carolinensis* (L.) Gr.
- 16 *Sialia sialis* (L.) Haldeman
- 49 *Troglodytes aedon* V.
- 51 *Helmodytes palustris* (Wils.) Cat.

- 88 *Dendroica pennsylvanica* (L.) Bd.
- 100 *Icteria virens* (L.) Bd.
- 101 *Myiodiodes nigratus* (Gm.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Herundo horreorum* Barton
- 114 *Petrochelidon lunifrons* (Say) Cat.
- 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 *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 *Spizella phoeniceus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Dand.
- 228 *Corvus americanus* Aud.
- 242 *Myiarchus carolinensis* (L.) Bd.
- 252 *Myiarchus cinerascens* (Gm.) Bd.
- 255 *Contopus virens* (L.) Cat.
- 265 *Contopus virens* (Wilson) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Coccyzus colubris* L.
- 284 *Ceryle alcyon* (L.) Boie
- 312 *Columba auratus* (L.) Sw.
- 371 *Zenaidura macroura* (L.) Bp.
- 385 *Bonasa umbellus* (L.) Steph.
- 458 *Oxyechus pica* (L.) Steph. var. *naevia* Boddy U.

Also a Wren and a Warbler that I could not identify.

June 27

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Mimus carolinensis* (L.) Sw.
- 16 *Sialia sialis* (L.) Haldeman.
- 17 *Troglodytes aedon* V.
- 100 *Icteria virens* (L.) Bd.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton.
- 119 *Ampelis cedrorum* (V.) Bd.
- 133 *Vireo olivaceus* (L.) V.
- 139 *Carpodacus purpureus* (Gm.) Sw.
- 149 *Chrysomitris tristis* (L.) Sp.
- 161 *Melospiza melodia* (W.) S. Bd.
- 178 *Spizella socialis* (Vill.) Sp.
- 179 *Spizella pusilla* (Vill.) Sp.
- (17) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 212 *Agelaius phoeniceus* (L.) V.
- 216 *Icterus baltimore* (L.) Gaudin.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fusca* (Gm.) Bd.
- 255 *Coccyzus virens* (L.) Cab.
- 265 *Ammodramus vociferans* (Vill.) Sp.
- 271 *Chaetura pelagica* (L.) Stephens.
- 286 *Ceryle alcyon* (L.) Boie.
- 312 *Coccyzus auratus* (L.) Sw.
- 419 *Ardea herodias* L.

June 28.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Mimus carolinensis* (L.) Sw.
- 10 *Carpodacus purpureus* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman.

- 11 *Troglodytes aedon* V.
- 100 *Icteria virens* (L.) Bd.
- 111 *Hirundo horreorum* Barton.
- 119 *Ampelis cedrorum* (V.) Bd.
- 123 *Vireo olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Sp.
- 161 *Melospiza melodia* (W.) S. Bd.
- 178 *Spizella socialis* (Vill.) Sp.
- 179 *Spizella pusilla* (Vill.) Sp.
- (17) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 215 *Icterus spurius* (L.) Sp.
- 216 *Icterus baltimore* (L.) Gaudin.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fusca* (Gm.) Bd.
- 255 *Coccyzus virens* (L.) Cab.
- 256 *Ceryle alcyon* (L.) Boie.
- 271 *Chaetura pelagica* (L.) Stephens.
- 275 *Fregata acaea* L.
- 286 *Ceryle alcyon* (L.) Boie.
- 312 *Coccyzus auratus* (L.) Sw.
- 360 *Pandion haliaetus* (L.) Swinney.
- 449 *Ardea herodias* L.

June 29.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Mimus carolinensis* (L.) Sw.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes aedon* V.
- 100 *Icteria virens* (L.) Bd.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton.
- 119 *Ampelis cedrorum* (V.) Bd.

- 122 *Vireo olivaceus* (L.) V.
- 139 *Ceryle alcyon* (L.) Boie
- 141 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vireo) Bd.
- 178 *Spizella socialis* (Vireo) Bp.
- 179 *Spizella pusilla* (Vireo) Bp.
- (187) *Passer domesticus* Lin.
- 204 *Tyrus erythrophthalmus* (L.) V.
- 212 *Aegialae phoeniceus* (L.) V.
- 216 *Icterus baltimore* (L.) Gaudin.
- 228 *Cornus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Tyrannus fusces* (Sw.) Bd.
- 255 *Coturnicops virens* (L.) Cab.
- 265 *Amphispiza bilineata* (Vireo) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Boie.
- 312 *Celastrus lanatus* (L.) Sw.
- 449 *Abdo herodias* L.

June 30.

- 1 *Turdus migratorius* L.
- 3 *Turdus migratorius* Sw.
- 9 *Merula carolinensis* (L.) Sw.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes cedrorum* V.
- 51 *Troglodytes palustris* (Vireo) Cab.
- 51 *Merula varia* (L.) V.
- 83 *Dendroica pennsylvanica* (L.) Bd.
- 92 *Sciurus arcticus* (L.) Sw.
- 93 *Sciurus ^{notacilla} ~~arcticus~~* (Sw.) Nutt.?
- 100 *Icteria virens* (L.) Bd.
- 111 *Merula boreorum* Barton.
- 114 *Petrochelidon lunifrons* (Sw.) Cab.
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (L.) V.

- 120 *Vireo olivaceus* L.
- 141 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vireo) Bd.
- 178 *Spizella socialis* (Vireo) Bp.
- 179 *Cyanospiza cyanea* (L.) Bd.
- 204 *Tyrus erythrophthalmus* (L.) V.
- 212 *Aegialae phoeniceus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Gaudin.
- 228 *Cornus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Tyrannus fusces* (Sw.) Bd.
- 255 *Coturnicops virens* (L.) Cab.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubus* L.
- 286 *Ceryle alcyon* (L.) Boie.
- 312 *Celastrus lanatus* (L.) Sw.

July 1.

- 1 *Turdus migratorius* L.
- 3 *Turdus migratorius* Sw.
- 9 *Merula carolinensis* (L.) Sw.
- 10 *Carpodacus rufus* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman.
- 39 *Sitta carolinensis* Sw.
- 73 *Sciurus ^{Endorvianus} ~~arcticus~~ ^{notacilla}* (Sw.) Nutt. $\frac{7}{1}$
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Merula boreorum* Barton.
- 114 *Petrochelidon lunifrons* (Sw.) Cab.
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Bd.
- 169 *Melospiza melodia* (Vireo) Bd.
- 178 *Spizella socialis* (Vireo) Bp.
- (187) *Passer domesticus* Lin.
- 204 *Tyrus erythrophthalmus* (L.) V.

- 251 *Corvus americanus* Aud.
- 271 *Chaetura Pelaegia* (L.) Steph.
- 275 *Fucihilus colubus* L.

July 2.

- 1 *Furdus migratorius* L.
- 3 *Furdus mustelinus* Gm.
- 16 *Sialia sialis* (L.) Healdman.
- 100 *Icteria virens* (L.) Bod.
- 111 *Merula torquorum* Barton
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bod.
- 178 *Spizella socialis* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Gairdner.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bod.
- 252 *Sayornis fuscus* (Gm.) Bod.
- 255 *Cottopus virens* (L.) Cat.
- 256 *Empidonax acadicus* (Gm.) Bod.
- 265 *Anthostomus vociferus* (Wils.) Bp.
- 271 *Chaetura pelaegia* (L.) Steph.

July 3.

- 1 *Furdus migratorius* L.
- 3 *Furdus mustelinus* Gm.
- 7 *Merula carolinensis* (L.) Gm.
- 10 *Caprimulgus rufus* (L.) Cav.
- 16 *Sialia sialis* (L.) Healdman.
- 38 *Sitta carolinensis* Gm.
- 49 *Troglodytes aedon* V.
- 70 *Empidonax aestiva* (Gm.) Bod.
- 93 *Seiurus ~~notata~~ ^{notata} cilla* (Gm.) Nutt.?
- 100 *Icteria virens* (L.) Bod.
- 104 *Setophaga ruticilla* (L.) Sw.

- 111 *Merula torquorum* Barton
- 119 *Amphispiza cedrorum* (L.) Bod.
- 122 *Vireo olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bod.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 *Spizella pusilla* (Wils.)
- 199 *Cyanospiza cyanea* (L.) Bod.
- 204 *Pipilo erythrophthalmus* (L.)
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Gairdner.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bod.
- 252 *Sayornis fuscus* (Gm.) Bod.
- 255 *Cottopus virens* (L.) Cat.
- 265 *Anthostomus vociferus* (Wils.) Bp.
- 271 *Chaetura pelaegia* (L.) Steph.
- 275 *Fucihilus colubus* L.
- 385 *Bonasa umbellus* (L.) Steph.

July 4.

- 1 *Furdus migratorius* L.
- 3 *Furdus mustelinus* Gm.
- 7 *Merula carolinensis* (L.) Gm.
- 38 *Sitta carolinensis* Gm.
- 49 *Troglodytes aedon* V.
- 51 *Setmatodytes palustris* (Wils.) Cat.
- 92 *Seiurus auricapillus* (L.) Sw.
- 100 *Icteria virens* (L.) Bod.
- 104 *Setophaga ruticilla* (L.) Sw.
- 119 *Amphispiza cedrorum* (L.) Bod.
- 122 *Vireo olivaceus* (L.) V.
- 139 *Caprodacus purpureus* (Gm.) Gm.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bod.

- 177 *Cyanospiza cyanea* (L.) Bod.
- 213 *Agelaius phoeniceus* (L.) V.
- 216 *Icterus baltimore* (L.) Gaudin
- 228 *Cornus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bod.
- 252 *Sayornis fusca* (Gris.) Bod.
- 255 *Coturnix virens* (L.) Cat.
- 265 *Antrostomus vociferans* (Wils.) Cat.
- 271 *Chaetura pelaegia* (L.) Steph.
- 312 *Colaptes auratus* (L.) Sw.

July 5

- 1 *Turdus migratorius* L.
- 9 *Mimus carolinensis* (L.) Sw.
- 10 *Geothlypis trichas* (L.) Sw.
- 16 *Sialia sialis* (L.) K. L. B. Sw.
- 41 *Geothlypis trichas* (L.) Sw.
- 43 *Spizella socialis* (Wils.) B. P.
- 100 *Icterus virens* (L.) Bod.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Pyranga rubra* (L.) V.
- 111 *Merula migratoria* (L.) Sw.
- 119 *Ampelis cedrorum* (L.) Bod.
- 122 *Vireo olivaceus* (L.) V.
- 149 *Ceryle alcyon* (L.) Sw.
- 167 *Melospiza melodia* (Wils.) Bod.
- 178 *Spizella socialis* (Wils.) B. P.
- 179 *Spizella pusilla* (Wils.) B. P.
- 204 *Pipilo erythrophthalmus* (Wils.) (L.) V.
- 228 *Cornus americanus* Aud.
- 252 *Sayornis fusca* (Gris.) Bod.
- 255 *Coturnix virens* (L.) Cat.
- 271 *Chaetura pelaegia* (L.) Steph.
- 275 *Trochilus colubris* L.
- 312 *Colaptes auratus* (L.) Sw.

- 1 *Turdus migratorius* L.
- 1 *Mimus carolinensis* (L.) Sw.
- 10 *Geothlypis trichas* (L.) Sw.
- 44 *Geothlypis trichas* (L.) Sw.
- 51 *Helmodytes palustris* (Wils.) Cat.
- 100 *Icterus virens* (L.) Bod.
- 107 *Pyranga rubra* (L.) V.
- 111 *Merula migratoria* (L.) Sw.
- 114 *Petrochelidon lunifrons* (L.) Cat.
- 119 *Ampelis cedrorum* (L.) Bod.
- 122 *Vireo olivaceus* (L.) V.
- 139 *Carpodacus purpureus* (L.) Sw.
- 149 *Ceryle alcyon* (L.) Sw.
- 167 *Melospiza melodia* (Wils.) Bod.
- 178 *Spizella socialis* (Wils.) B. P.
- 179 *Spizella pusilla* (Wils.) B. P.
- 204 *Pipilo erythrophthalmus* (Wils.) (L.) V.
- 213 *Agelaius phoeniceus* (L.) V.
- 216 *Icterus baltimore* (L.) Gaudin
- 228 *Cornus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bod.
- 252 *Sayornis fusca* (Gris.) Bod.
- 255 *Coturnix virens* (L.) Cat.
- 265 *Antrostomus vociferans* (Wils.)
- 271 *Chaetura pelaegia* (L.) Steph.
- 275 *Trochilus colubris* L.
- 299 *Proie pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 435 *Tyrannus solitarius* Wils.
- 457 *Ardea virescens* L.

July 7.

- 1 *Turdus migratorius* L.
- 2 *Turdus mustelinus* Sw.
- 7 *Mimus carolinensis* L. Sw.
- 100 *Icteria virens* (L.) Bd.
- 111 *Herundo horreorum* Sw.
- 114 *Petrochelidon lunifrons* (Say) Cat.
- 122 *Circus olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Sw.
- 169 *Melospiza melodia* (Vill.) Bd.
- 178 *Spizella socialis* (Vill.) Sw.
- 179 *Sialia hutchinsii* (Vill.) Sw.
- 228 *Cornus americana* Sw.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Ayresia pyraea* (Sw.) Bd.
- 255 *Coturnix virens* (L.) Cat.
- 265 *Melospiza melodia* (Vill.) Sw.
- 271 *Chaetura pelagica* (L.) Steph.
- 284 *Ceryle alcyon* (L.) Sw.
- 285 *Ceryle alcyon* (L.) Sw.

July 8.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 9 *Mimus carolinensis* (L.) Sw.
- 10 *Carphocoryphus rufus* (L.) Cat.
- 16 *Sialia sialis* (L.) Reddeman.
- 49 *Troglodytes aedon* V.
- 51 *Helmatodytes palustris* (Vill.) Cat.
- 93 *Seiurus noveboracensis* (Sw.) Nutt. ?
- 100 *Icteria virens* (L.) Bd.
- 111 *Herundo horreorum* Sw.
- 114 *Petrochelidon lunifrons* (Say) Cat.
- 149 *Chrysomitris tristis* (L.) Sw.
- 169 *Melospiza melodia* (Vill.) Bd.

- 178 *Melospiza melodia* (Vill.) Bd.
- 179 *Spizella hutchinsii* (Vill.) Sw.
- 181 *Cornus americana* Sw.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Troglodytes aedon* (Vill.) Sw.
- 212 *Agelaius phoeniceus* (L.) V.
- 215 *Icterus spurius* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Ayresia pyraea* (Sw.) Bd.
- 255 *Coturnix virens* (L.) Cat.
- 265 *Melospiza melodia* (Vill.) Sw.
- 271 *Chaetura pelagica* (L.) Steph.
- 279 *Cicus pubescens* L.
- 312 *Ceryle alcyon* (L.) Sw.

July 9.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 9 *Mimus carolinensis* (L.) Sw.
- 10 *Carphocoryphus rufus* (L.) Cat.
- 38 *Sitta carolinensis* (Sw.)
- 100 *Icteria virens* (L.) Bd.
- 111 *Herundo horreorum* Sw.
- 122 *Circus olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Sw.
- 169 *Melospiza melodia* (Vill.) Bd.
- 178 *Spizella socialis* (Vill.) Sw.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 215 *Icterus spurius* (L.) Sw.
- 216 *Icterus baltimore* (L.) Sw.
- 228 *Cornus americana* Sw.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 255 *Coturnix virens* (L.) Cat.
- 265 *Melospiza melodia* (Vill.) Sw.
- 271 *Chaetura pelagica* (L.) Steph.
- 284 *Ceryle alcyon* (L.) Sw.

July 10.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Merula carolinensis* L. G.
- 16 *Sialia sialis* (L.) Haldeman.
- 38 *Sitta carolinensis* Gm.
- 49 *Scleria vires* (L.) B.
- 59 *Amphisp. cedrorum* (V.) B.
- 72 *Unio olivaceus* (L.) V.
- 107 *Carduelis purpurea* (Gm.) G.
- 149 *Chrysomitris tristis* (L.) B.
- (171) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* (L.) B.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 215 *Sterna spurius* (L.) B.
- 216 *Sterna baltimora* (L.) Daudin.
- 228 *Corvus americanus* Aud.
- 242 *Corvus carolinensis* (L.) B.
- 252 *Corvus fuscus* (Gm.) B.
- 255 *Coccyzus virens* (L.) Cat.
- 275 *Geothlypis trichas* L.
- 286 *Coccyz. alcyon* (L.) Boie
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) G.

July 11.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Merula carolinensis* (L.) G.
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes aedon* V.
- 51 *Telmatopterus palustris* (Vill.) Cat.
- 93 *Ammodramus noveboracensis* (Gm.) Nutt. ?
- 97 *Geothlypis trichas* (L.) Cat.
- 100 *Scleria vires* (L.) B.

- 114 *Actitis hypoleucos* L.
- 107 *Phalaropus lobatus* L.
- 111 *Himantopus mexicanus* (L.) G.
- 122 *Unio olivaceus* (L.) V.
- 139 *Carduelis purpurea* (Gm.) G.
- 149 *Chrysomitris tristis* (L.) B.
- 169 *Cyanospiza melodia* (Vill.) B.
- 178 *Spizella socialis* (Vill.) B.
- 179 *Spizella pusilla* (Vill.) B.
- 187 *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* (L.) B.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 212 *Merula phillyria* (L.) V.
- 215 *Sterna spurius* (L.) B.
- 216 *Sterna baltimora* (L.) Daudin.
- 228 *Corvus americanus* Aud.
- 242 *Corvus carolinensis* (L.) B.
- 252 *Corvus fuscus* (Gm.) B.
- 255 *Coccyzus virens* (L.) Cat.
- 265 *Ammodramus noveboracensis* (Gm.) Nutt. ?
- 271 *Chaetura fulva* (L.) Steph.
- 275 *Geothlypis trichas* L.
- 286 *Coccyz. alcyon* (L.) Boie
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) G.
- 385 *Bombus umbellus* (L.) Steph.
- 457 *Actis virens* L.
- 458 *Myiarchus cinerascens* (L.) G.

July 12.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Merula carolinensis* (L.) G.
- 16 *Sialia sialis* (L.) Haldeman.
- 38 *Sitta carolinensis* Gm.
- 49 *Troglodytes aedon* V.

- 103 *Actica viridis* L. Jod.
- 104 *Setophaga ruticilla* L. Sw.
- 111 *Herindotus horreorum* Barton.
- 115 *Cotyle riparia* L. Boie.
- 122 *Vireo olivaceus* L. V.
- 149 *Chrysomitris tristis* L. Bp.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 *Spizella pusilla* (Wils.) Bp.
- 187 *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* L. Bd.
- 204 *Pipilo erythrophthalmus* L. V.
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Coturnicops viridis* L. Cat.
- 255 *Antrostomus vociferans* (Wils.) Bp.
- 271 *Chaetura pelagica* L. Steph.
- 286 *Ceryle alcyon* L. Boie.
- 299 *Circus pubescens* L.
- 312 *Coccyzus americanus* L. Sw.
- 457 *Ardea virescens* L.

July 13.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Merula carolinensis* L. Sw.
- 10 *Caprimulgus vociferans* (L.) Cat.
- 16 *Sialia sialis* L. Haldeman.
- 49 *Troglodytes aedon* V.
- 12 *Sciurus aureocaudatus* L. Sw.
- 93 *Sciurus ~~multistriatus~~ ^{notacilla (L.) Coues} (Gm.) Sw. ?*
- 100 *Icteria virens* L. Bd.
- 104 *Setophaga ruticilla* L. Sw.
- 111 *Herindotus horreorum* Barton.
- 119 *Ampelis cedrorum* (L.) Bd.
- 122 *Vireo olivaceus* L. V.
- 149 *Chrysomitris tristis* L. Bp.

- 101 *Spizella socialis* (Wils.) Bp.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 *Spizella pusilla* (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. Dand.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* L. Bd.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Coturnicops viridis* L. Cat.
- 271 *Chaetura pelagica* L. Steph.
- 286 *Ceryle alcyon* L. Boie.
- 312 *Coccyzus americanus* L. Sw.
- 370 *Edipietes migratorius* L. Sw.
- 457 *Ardea virescens* L.

July 14.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 9 *Merula carolinensis* L. Sw.
- 16 *Sialia sialis* L. Haldeman.
- 92 *Sciurus aureocaudatus* L. Sw.
- 93 *Sciurus ~~multistriatus~~ ^{notacilla (L.) Coues} (Gm.) Sw. ?*
- 100 *Icteria virens* L. Bd.
- 101 *Myiarchus cinerascens* (Gm.) Aud.
- 104 *Setophaga ruticilla* L. Sw.
- 112 *Tachycineta bicolor* (L.) Sw.
- 111 *Herindotus horreorum* Barton.
- 114 *Petrochelidon lunifrons* (L.) Cat.
- 119 *Ampelis cedrorum* (L.) Bd.
- 122 *Vireo olivaceus* L. V.
- 149 *Chrysomitris tristis* L. Bp.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 *Spizella pusilla* (Wils.) Bp.

- 171 *Cyanospiza cyanea* Sw. Bd.
- 224 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fusca* (Sw.) Bd.
- 255 *Contopus virens* (L.) Cat.
- 271 *Chaetura pelaezia* (L.) Steph.
- 275 *Frochilus colubii* L.
- 280 *Ceryle alcyon* (L.) Boie

July 15.

- 1 *Furdus nigrotorvus* L.
- 3 *Furdus mustelinus* Sw.
- 9 *Chondestes carolinensis* (L.) Sw.
- 16 *Sialia sialis* (L.) Halden. av.
- 38 *Sitta carolinensis* Sw.
- 79 *Troglodytes aedon* V.
- 93 *Seiurus noveboracensis* (Sw.) Nutt.?
- 100 *Icterus virens* (L.) Bd.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Baird.
- 112 *Tachycineta bicolor* (W.) C.
- 114 *Petchelidon lunifrons* (Sw.) Cat.
- 122 *Vireo olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 *Spizella breweri* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 212 *Agelaius phoeniceus* (L.) V.
- 215 *Icterus spurius* L. Bp.
- 216 *Icterus baltimore* (L.) Dand.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fusca* (Sw.) Bd.

- 255 *Contopus virens* (L.) Cat.
- 267 *Vireo virginianus* (Wils.) Bp.
- 271 *Chaetura pelaezia* (L.) Steph.
- 275 *Frochilus colubii* L.
- 280 *Ceryle alcyon* (L.) Boie
- 312 *Coccyzus auratus* (L.) Sw.
- 457 *Ardea herodias* L.
- 489 *Ardea herodias* Sw.

July 16

- 1 *Furdus nigrotorvus* L.
- 3 *Furdus mustelinus* Sw.
- 9 *Chondestes carolinensis* (L.) Sw.
- 16 *Sialia sialis* (L.) Halden. av.
- 49 *Troglodytes aedon* V.
- 93 *Seiurus noveboracensis* (Sw.) Nutt.?
- 100 *Icterus virens* (L.) Bd.
- 107 *Pyrrhuloxia rubra* (L.) V.
- 111 *Hirundo horreorum* Baird.
- 119 *Amelie cedrorum* (W.) Bd.
- 122 *Vireo olivaceus* (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.
- 216 *Icterus baltimore* (L.) Dand.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fusca* (Sw.) Bd.
- 255 *Contopus virens* (L.) Cat.
- 271 *Chaetura pelaezia* (L.) Steph.
- 275 *Frochilus colubii* L.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.

July 17.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 7 *Merula carolinensis* (L.) Sw.
- 16 *Sialia sialis* (L.) G. C. Man.
- 49 *Troglodytes aedon* V.
- 100 *Geothlypis trichas* (L.) Sw.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Helminthophila horreorum* Barton
- 112 *Geothlypis trichas* (L.) Sw.
- 114 *Petrochelidon lunifrons* (Say) East.
- 119 *Ampelis cedrorum* (W. B.)
- 122 *Vireo olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (W.) Bp.
- 178 *Spizella socialis* (W.) Bp.
- 179 *Spizella pusilla* (W.) Bp.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* (L.) Bp.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 215 *Sciurus harrisi* (L.) Bp.
- 216 *Seturus baltimore* (L.) Gaudin.
- 242 *Tyrannus carolinensis* (L.) Sw.
- 255 *Centurus viridis* (L.) Cat.
- 271 *Chaetura pelagica* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Boie.
- 362 *Haliaeetus leucocephalus* (L.) G. C. Man.

July 18.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 9 *Merula carolinensis* (L.) Sw.
- 16 *Sialia sialis* (L.) G. C. Man.
- 49 *Troglodytes aedon* V.
- 51 *Felmatorhynchus palustris* (W.) Cat.
- 92 *Seiurus aurocapillus* (L.) Sw.

- 97 *Geothlypis trichas* (L.) Sw.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Helminthophila horreorum* Barton
- 114 *Petrochelidon lunifrons* (Say) East.
- 119 *Ampelis cedrorum* (W. B.)
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (W.) Bp.
- 179 *Spizella pusilla* (W.) Bp.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 212 *Agelaius phoeniceus* (L.) V.
- 216 *Seturus baltimore* (L.) Gaudin.
- 228 *Cornus americana* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Sw.
- 252 *Passer domesticus* Linn.
- 255 *Centurus viridis* (L.) Cat.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Fregata acazusa* L.
- 286 *Ceryle alcyon* (L.) Boie.
- 457 *Ardea herodias* L.

July 19.

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Sw.
- 9 *Merula carolinensis* (L.) Sw.
- 16 *Sialia sialis* (L.) G. C. Man.
- 92 *Seiurus aurocapillus* (L.) Sw.
- 100 *Geothlypis trichas* (L.) Sw.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Helminthophila horreorum* Barton
- 119 *Ampelis cedrorum* (W. B.)
- 122 *Vireo olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (W.) Bp.
- 178 *Spizella socialis* (W.) Bp.
- 179 *Spizella pusilla* (W.) Bp.

- 101 *Sturnella magna* L.
- 102 *Icterus spurius* L.
- 103 *Icterus galbula* L.
- 242 *Tyrannus carolinensis* L. Bd.
- 252 *Tyrannus fuscus* (Sw.) Bd.
- 255 *Ceryle alcyon* L. Boie.
- 257 *Ceryle alcyon* L. Boie.
- 258 *Ceryle alcyon* L. Boie.
- 259 *Ceryle alcyon* L. Boie.
- 260 *Ceryle alcyon* L. Boie.
- 261 *Ceryle alcyon* L. Boie.
- 262 *Ceryle alcyon* L. Boie.
- 263 *Ceryle alcyon* L. Boie.
- 264 *Ceryle alcyon* L. Boie.
- 265 *Ceryle alcyon* L. Boie.
- 266 *Ceryle alcyon* L. Boie.

July 20.

- 1 *Turdus migratorius* L.
- 3 *Turdus migratorius* L.
- 9 *Merula carolinensis* L. Sw.
- 10 *Carpodacus mexicanus* L. Sw.
- 16 *Sialia sialis* L. Kalmann.
- 49 *Ceryle alcyon* L. Boie.
- 57 *Merula carolinensis* L. Sw.
- 100 *Sialia sialis* L. Kalmann.
- 104 *Sialia sialis* L. Kalmann.
- 111 *Merula carolinensis* L. Sw.
- 119 *Amphispiza bilineata* (V.) Sw.
- 122 *Vireo olivaceus* L. V.
- 149 *Chrysomitris tristis* L. Sw.
- 169 *Melospiza melodia* (V.) Sw.
- 178 *Spizella socialis* (V.) Sw.
- 179 *Spizella socialis* (V.) Sw.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* L. Sw.
- 204 *Pipilo erythrophthalmus* L. Sw.
- 216 *Icterus galbula* L.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* L. Sw.
- 252 *Tyrannus fuscus* (Sw.) Bd.
- 255 *Ceryle alcyon* L. Boie.
- 259 *Empidonax flaviventris* Sw.

- 271 *Chondestes* L.
- 275 *Trochilus* L.
- 286 *Ceryle alcyon* L. Boie.
- 362 *Callipepla* L.
- 435 *Totanus* Vie.

July 21.

- 1 *Turdus migratorius* L.
- 3 *Turdus migratorius* L.
- 9 *Merula carolinensis* L. Sw.
- 10 *Carpodacus mexicanus* L. Sw.
- 16 *Sialia sialis* L. Kalmann.
- 38 *Sitta carolinensis* L. Sw.
- 49 *Ceryle alcyon* L. Boie.
- 57 *Merula carolinensis* L. Sw.
- 60 *Callipepla* L.
- 71 *Dendroica virens* (Sw.) Sw.
- 92 *Merula carolinensis* L. Sw.
- 100 *Sialia sialis* L. Kalmann.
- 104 *Sialia sialis* L. Kalmann.
- 107 *Pyrrhuloxia rubra* L. Sw.
- 111 *Merula carolinensis* L. Sw.
- 119 *Amphispiza bilineata* (V.) Sw.
- 122 *Vireo olivaceus* L. V.
- 139 *Carpodacus mexicanus* L. Sw.
- 149 *Chrysomitris tristis* L. Sw.
- 169 *Melospiza melodia* (V.) Sw.
- 178 *Spizella socialis* (V.) Sw.
- 179 *Spizella socialis* (V.) Sw.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* L. Sw.
- 204 *Pipilo erythrophthalmus* L. Sw.
- 212 *Agelaius phoeniceus* L. Sw.
- 215 *Icterus galbula* L.
- 216 *Icterus galbula* L.
- 228 *Corvus americanus* Aud.

July 25.

- 1 *Turdus migratorius* L.
- 9 *Merula carolinensis* L. Str.
- 10 *Carpodacus rufus* L. Cab.
- 16 *Sialia sialis* L. Kaibab
- 17 *Troglodytes aedon* V.
- 13 *Seiurus noveboracensis* (Gm.) Nutt.?
- 107 *Piranga rubra* L. V.
- 111 *Hirundo horreorum* Barton
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* L. V.
- 178 *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.
- 215 *Icterus spurius* L. Bp.
- 216 *Icterus baltimore* (L.) Dand.
- 228 *Cornus americana* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 255 *Contopus virens* L. Cab.
- 271 *Chaetura pelagica* L. Steph.
- 312 *Colaptes auratus* L. Sw.
- 339 *Accipiter cooperii* Bp.

July 26

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Gm.
- 7 *Merula carolinensis* (L.) Str.
- 16 *Sialia sialis* L. Kaibab
- 49 *Troglodytes aedon* V.
- 93 *Seiurus noveboracensis* (Gm.) Nutt.?
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton.

- 111 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* L. V.
- 148 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* L. Bd.
- 215 *Icterus spurius* L. Bp.
- 228 *Cornus americana* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 255 *Contopus virens* L. Cab.
- 271 *Chaetura pelagica* L. Steph.
- 286 *Ceryle alcyon* L. Boi.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* L. Sw.

Also a large dark Hawk, and a *Strix*, with which I was unacquainted.

July 27.

- 1 *Turdus migratorius* Linn.
- 3 *Turdus mustelinus* Gm.
- 10 *Carpodacus rufus* L. Cab.
- 51 *Felmatodytes palustris* (Wils.) Cab.
- 93 *Seiurus aurocapillus* L. Sw.
- 93 *Seiurus noveboracensis* (Gm.) Nutt.?
- 111 *Hirundo horreorum* Barton.
- 117 *Progne subis* L. Boi.
- 119 *Ampelis cedrorum* (V.) Bd.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 *Spizella pusilla* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* L. V.
- 212 *Agelaius phoeniceus* L. V.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 255 *Contopus virens* L. Cab.

July 28.

- 1 *Fundus migratorius* L.
- 3 *Fundus mustelinus* Sw.
- 7 *Mimus carolinensis* (L.) Gr.
- 10 *Caprimulgus rufus* (L.) Cat.
- 16 *Sialia sialis* (L.) Kuhlman.
- 49 *Troglodytes aedon* V.
- 51 *Felmatodytes palustris* (Vieil.) Cat.
- 57 *Mniotilta varia* (L.) V.
- 92 *Seiurus aurocapillus* (L.) Sw.
- 93 *Seiurus noveboracensis* (Sw.) Nutt. ?
- 104 *Myiodytes nitratu* (Sw.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton.
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (L.) V.
- 137 *Carpodacus purpureus* (Sw.) Gr.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vieil.) Bd.
- 175 *Socialisepizella socialis* (Vieil.) Bp.
- 179 *Spizella pusilla* (Vieil.) Bp.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 212 *Agelaius phoeniceus* (L.) V.
- 228 *Corvus americanus* Aud.
- 234 *Cyanus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Sw.) Bd.
- 255 *Cathartes aura* (L.) Cat.
- 256 *Empidonax acadicus* (Sw.) Bd.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Frochilus columbic* L.
- 290 *Coccyzus erythrophthalmus* (Vieil.) Bd.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 385 *Bonaeo umbellus* (L.) Steph.

457 *Ardea virescens* L.

July 29.

- 1 *Fundus migratorius* L.
- 3 *Fundus mustelinus* Sw.
- 9 *Mimus carolinensis* (L.) Gr.
- 10 *Caprimulgus rufus* (L.) Cat.
- 38 *Sitta carolinensis*, Sw.
- 49 *Troglodytes aedon* V.
- 51 *Felmatodytes palustris* (Vieil.) Cat.
- 57 *Mniotilta varia* (L.) V.
- 60 *Helminthos vermivorus* Sw. Bp.
- 92 *Seiurus aurocapillus*, (L.) Sw.
- 93 *Seiurus noveboracensis* (Sw.) Nutt. ?
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton
- 114 *Petrochelidon lunifrons* (Say) Cat.
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Bp.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 212 *Agelaius phoeniceus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 216 *Icterus baltimore* (L.) Daudin
- 228 *Corvus americanus*, Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Sw.) Bd.
- 255 *Cathartes aura* (L.) Cat.
- 265 *Antrostomus vociferans* (Vieil.) Bp.
- 275 *Frochilus columbic* L.
- 284 *Ceryle alcyon* (L.) Boie
- 290 *Coccyzus erythrophthalmus* (Vieil.) Bd.
- 457 *Ardea virescens* L.

July 30.

- 3 *Turdus mustelinus* Sm.
 9 *Merula carolinensis* (L.) Gr.
 10 *Geothlypis trichas* (L.) Cab.
 16 *Sialia sialis* (L.) Haldeman.
 31 *Parus atricapillus* L.
 38 *Sitta carolinensis* Sm.
 49 *Troglodytes aedon* V.
 92 *Seiurus aurocapillus* (L.) Sw.
 93 *Seiurus ~~auduboni~~ ^{noveboracensis}* (Sm.) Nutt. ?
 104 *Setophaga ruticilla* L. Sw.
 111 *Hirundo horreorum* Barton.
 119 *Ampelis cedrorum* (W.) Bd.
 122 *Vireo olivaceus* (L.) V.
 149 *Chrysomitris tristis* (L.) Bp.
 199 *Cyanospiza cyanea* (L.) Bd.
 204 *Pipilo erythrophthalmus* (L.) V.
 215 *Icterus spurius* (L.) Bp.
 216 *Icterus baltimore* (L.) Dandini.
 228 *Corvus americanus* Aud.
 242 *Tyrannus carolinensis* (L.) Bd.
 252 *Sayornis fusca* (Sm.) Bd.
 255 *Contopus virens* (L.) Cab.
 265 *Anthostomus vociferus* (Chil.) Bp.
 271 *Chaetura pelagica* (L.) Steph.
 286 *Ceryle alcyon* (L.) Boie.
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (L.) Sw.
 457 *Ardea virescens* Swin.

July 31

- 1 *Turdus migratorius* L.
 3 *Turdus mustelinus* Sm.
 9 *Merula carolinensis* (L.) Gr.
 10 *Geothlypis trichas* (L.) Cab.
 16 *Sialia sialis* (L.) Haldeman

- 38 *Sitta carolinensis* Sm.
 92 *Seiurus aurocapillus* (L.) Sw.
 93 *Seiurus noveboracensis* (Sm.) Nutt. ?
 97 *Geothlypis trichas* (L.) Cab.
 111 *Hirundo horreorum* Barton.
 112 *Tachycineta thalassina bicolor* (W.) Cs.
 114 *Petrochelidon lunifrons* (Say.) Cab.
 122 *Vireo olivaceus* (L.) V.
 149 *Chrysomitris tristis* (L.) Bp.
 168 *Melospiza palustris* (Vil.) Bd.
 169 *Melospiza melodia* (Vil.) Bd.
 178 *Spizella socialis* (Vil.) Bp.
 179 *Spizella pusilla* (Vil.) Bp.
 199 *Cyanospiza cyanea* (L.) Bd.
 204 *Pipilo erythrophthalmus* (L.) V.
 215 *Icterus spurius* (L.) Bp.
 216 *Icterus baltimore* (L.) Dandini.
 228 *Corvus americanus* Aud.
 242 *Tyrannus carolinensis* (L.) Bd.
 252 *Sayornis fusca* (Sm.) Bd.
 255 *Contopus virens* (L.) Cab.
 265 *Anthostomus vociferus* (Chil.) Bp.
 271 *Chaetura pelagica* (L.) Steph.
 286 *Ceryle alcyon* (L.) Boie.
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (L.) Sw.
 385 *Bonasa umbellus* (L.) Steph.
 457 *Ardea virescens* L.

July August 1.

- 1 *Turdus migratorius* L.
 3 *Turdus mustelinus* Sm.
 9 *Merula carolinensis* (L.) Gr.
 10 *Geothlypis trichas* (L.) Cab.
 16 *Sialia sialis* (L.) Haldeman.
 92 *Seiurus aurocapillus* (L.) Sw.

- 100 *Vidua vires* (L.) Bd.
 111 *Helimodro horreorum* Barton
 112 *Sialia cinerea bicolor* (W.) Co.
 114 *Petrochelidon lunifrons* (Say) Leab.
 119 *Ampelis cedrorum* (W.) 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.
 212 *Agelaius phoeniceus* (L.) V.
 271 *Chaetura pelagica* (L.) Steph.
 275 *Frochilus colubris* L.
 286 *Ceryle alcyon* (L.) Boie.
 457 *Ardea herodias* L.

Aug. 2.

- 1 *Turdus migratorius* L.
 9 *Merula carolinensis* (L.) Gr.
 39 *Sitta canadensis* L.
 104 *Setophaga ruticilla* (L.) Sw.
 107 *Pyrranga rubra* (L.) V.
 119 *Ampelis cedrorum* (W.) Bd.
 122 *Vireo olivaceus* (L.) V.
 149 *Chrysomitris tristis* (L.) Bp.
 178 *Spizella socialis* (Wils.) Bp.
 216 *Icterus baltimore* (L.) Gannett.
 228 *Corvus americanus* Aud.
 255 *Contopus virens* (L.) Cab.
 267 *Chordeiles virginianus* (Brew.) Bp.
 271 *Chaetura pelagica* (L.) Steph.
 286 *Ceryle alcyon* (L.) Boie.
 291 *Coccyzus americanus* (L.) Bp.
 298 *Picus villosus* L.
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (L.) Sw.

- 331 *Accipiter cooperii* Bp.
 449 *Ardea herodias* L.
 489 *Anas obscura* Sw.

August 3.

- 1 *Turdus migratorius* L.
 16 *Sialia sialis* (L.) Haldeman
 39 *Sitta canadensis* L.
 70 *Dendroica aestiva* (Sw.) Bd.
 119 *Ampelis cedrorum* (W.) Bd.
 149 *Chrysomitris tristis* (L.) Bp.
 169 *Melospiza melodia* (Wils.) Bd.
 178 *Spizella socialis* (Wils.) Bp.
 210 *Dolichonyx oryzivorus* (L.) Sw.
 216 *Icterus baltimore* (L.) Gannett.
 255 *Contopus virens* (L.) Cab.
 286 *Ceryle alcyon* (L.) Boie.
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (L.) Sw.
 338 *Accipiter fuscus* (Sw.) Bp.
 385 *Bonasa umbellus* (L.) Steph.

August 4.

- 1 *Turdus migratorius* L.
 9 *Merula carolinensis* (L.) Gr.
 10 *Caprimulgus vociferus* (L.) Cab.
 16 *Sialia sialis* (L.) Haldeman.
 38 *Sitta carolinensis* Sw.
 49 *Troglodytes aedon* V.
 57 *Momotilta varia* (L.) V.
 60 *Helminthophila remigera* (Sw.) Bp.
 71 *Dendroica virens* (Sw.) Bd.
 92 *Seiurus aurocapillus* (L.) Sw.
 93 *Seiurus noveboracensis* (Sw.) Voth?
 101 *Myiodytes mitratus* (Sw.) Aud.
 111 *Helimodro horreorum* Barton.

- 114 Petrochelidon lunifrons (Say) Cat.
- 119 Ampelis cedrorum (W.) Bd.
- 122 Vireo olivaceus L. V.
- 149 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.
- 215 Icterus spurius (L.) Bp.
- 216 Icterus baltimore (L.) Gaudin.
- 228 Corvus americanus Aud.
- 242 Tyrannus carolinensis (L.) Bp.
- 252 Sayornis fuscus (Wm.) Bd.
- 255 Contopus virens (L.) Cat.
- 265 Antrostomus vociferans (Wils.) Bp.
- 271 Chaetura pelagica (L.) Giff.
- 275 Proctopus carolinus L.
- 286 Ceryle alcyon (L.) Boie
- 290 Coccyzus erythrophthalmus (Wils.) Bp.
- 298 Picus villosus L.
- 299 Picus pubescens L.
- 312 Colaptes auratus (L.) Sw.
- 436 Tringoides macularius (L.) Gr.
- 457 Ardea herodias virens L.

Aug. 5.

- 1 Turdus migratorius L.
- 9 Minus carolinensis (L.) Gr.
- 10 Harporhynchus rufus (L.) Cat.
- 16 Sialia sialis (L.) Gaudin
- 49 Troglodytes aedon V.
- 93 Sciurus aurocapillus (L.) Sw.
- 93 Sciurus noveboracensis (Gm.) Nutt.
- 111 Hirundo horreorum Barton

- 115 Fackysia bicolor (Wm.)
- 114 Petrochelidon lunifrons (Say) Cat.
- 119 Ampelis cedrorum (W.) Bd.
- 122 Vireo olivaceus L. V.
- 139 Campudon purpureus (Gm.) Sw.
- 149 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.
- 212 Agelaius phoeniceus (L.) V.
- 215 Icterus spurius (L.) Bp.
- 216 Icterus baltimore (L.) Gaudin
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Wm.) Bd.
- 255 Contopus virens (L.) Cat.
- 265 Antrostomus vociferans (Wils.) Bp.
- 271 Chaetura pelagica (L.) Giff.
- 275 Proctopus carolinus L.
- 286 Ceryle alcyon (L.) Boie
- 298 Picus villosus L.
- 299 Picus pubescens L.
- 312 Colaptes auratus (L.) Sw.
- 457 Ardea herodias L.

Aug. 6.

- 1 Turdus migratorius L.
- 3 Turdus marshallianus Gm.
- 49 Troglodytes aedon V.
- 92 Sciurus aurocapillus (L.) Sw.
- 93 Sciurus noveboracensis (Gm.) Nutt.
- 100 Icteria virens (L.) Bd.
- 101 Myiodytes nitratissimus (Gm.) Aud.
- 111 Hirundo horreorum Barton

- 117 *Actitis cataracta* (W) Bod.
- 139 *Cathartus aurantius* (Gm) S. S.
- 149 *Chrysomitris trichas* (L) Bp.
- 169 *Melospiza melodia* (Wils) Bd.
- 178 *Spizella socialis* (Wils) Bp.
- 179 *Spizella pusilla* (Wils) Bp.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyana* (L) Bd.
- 204 *Pipilo erythrophthalmus* L. V.
- 216 *Icterus baltimore* (L) Gaudin.
- 217 *Chaetura pelagica* (L) Steph.
- 275 *Trochilus colubris* (L) Gt.
- 281 *Ceryle alcyon* (L) Boie.
- 298 *Picus villosus* L.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L) Sw.
- 436 *Fringoides macularius* (L) Gr.

Aug 7. 1874

April 26, 1875

Highland Falls N. Y.

Coues' Nos.

Birds seen to day were the following

- 1 *Melospiza migratoria* L.
- 4 " *pallasi* Cab.
- 10 *Sialia sialis* (L) Healdeman.
- 22 *Regulus satrapa* Licht.
- 31 *Parus atricapillus* L.
- 168 *Melospiza pinastri* (Wils) Bd.
- 169 " *melodia* (Wils) Bd.
- 174 *Junco hyemalis* (L) Sel.
- 177 *Spizella monticola* (Gm) Bd.
- 178 " *socialis* (Wilm) Bp.
- 179 " *pusilla* (Wils) Bp.
- (187) *Passer domesticus* Linn.
- 188 *Cassella ihera* (Merrem) Sw.
- 161 *Podiceps gramineus* (Gm) Bd.
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fuscus* (Gm) Bd.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L) Sw.
- 265 ~~*Trochilus colubris* (L) Gt.~~ *Anthus vociferus* (Wils) Bp.
- 436 *Fringoides macularius* (L) Gr.

- 1 The White-throat will have given notice of their unusually early arrival, by their accustomed note, this evening. - (An error?)
- 2 The Grass Finch has been abundant for several days. They frequent weedy fields, occasionally alighting on a neighboring tree and singing a pleasing little song.

Specimen Numbers

- 562. *Fringoides macularius* (L) Gr. ♀ Highland Falls
7 3/16 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 1 3/16
- 563 *Junco hyemalis* (L) Sel. ♂ H. F. N. Y.
6 7/16 9 12/16 3 12/16 2 1/16. Bill 1/16. Tarsi 1 3/16. Middle toe & claw 1 1/16
Iris dark brown. Bill for winter. Legs & feet very light brown

April 27, 1875

- 1 *Turdus migratorius* L.
- 4 " *gallasi* Cab.
- 16 *Sialia sialis* (L.) Kaldeman
- 22 *Regulus satrapa* Licht.
- 31 *Parus atricapillus* L.
- 38 *Sitta carolinensis* Sm
- 161 *Coereba graminea* (Sm.) Bd.
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 177 *Spizella monticola* (Sm.) Bd.
- 178 " *socialis* (Wils.) Bp.
- 179 " *pusilla* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 188 *Passerella iliaca* (Merrem) Sw.
- 221 *Scotocophagus ferrugineus* (Sm.) Sw.
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fuscus* (Sm.) Bd.
- 286 *Ceryle alcyon* (L.) Boie
- 360 *Pandion haliaetus* L. Savigny
- 489 *Spiza obscura* Sm.
- 495 *Querquedula carolinensis* (Sm.)
- 501? *Fuligula affinis* Eyton.
- 547 *Larus argentatus* Brunn.
- 605 *Colymbus torquatus* Brunn.
- 6-- *Podiceps cornutus* - Stebe.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.

Skull

- 564 *Coereba graminea* (Sm.) Bd. ♂ H. Falls N.Y.
C 10³/₁₆ 3¹/₁₆ 2¹/₁₆ Iris brown. H Falls
- 565 *Coereba graminea* (Sm.) Bd ♀ H Falls
5¹⁵/₁₆ 9³/₁₆ 3¹/₁₆ 2¹/₁₆ /
- 566 *Regulus satrapa* Licht ♂ H Falls
4, 5¹⁵/₁₆. Iris brown.

I saw today a fine specimen of the *Turdus migratorius* *var. pallasi*, in the possession of Mr. Daniel Ward of Cornwall, on the Hudson River. It had been shot a short time since in front of his residence by the edge of the River.

April 28, 1875.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Kaldeman
- 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* (Sm.) 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.) Kaldeman
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 " *pusilla* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 211 *Molothrus ater* (Sm.) Sw. ~~not seen~~
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fuscus* (Sm.) Bd.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.

Skull

- 568 *Coereba graminea* (Sm.) Bd ♂ April 27 H. Falls
C 5¹/₁₆ 10¹/₁₆ 3³/₁₆ 2¹/₁₆ Bill 5¹/₁₆. Tarsi 1²/₁₆. over

Middle toe and claw 1 2/16. Iris brown
Bill with maxilla blackish - mandible flesh color.
Legs & feet brownish. flesh-color.

- 569 *Pooecetes gramineus* (Gm.) Bd. ♀
6 3/16 10 5/16. Other parts like the preceding.
- 570 *Pooecetes gramineus* (Gm.) Bd. ♂
6 4/16 10 11/16. Rest like 568.
- 571 *Pooecetes gramineus* (Gm.) Bd. ♀
6 7/16 10 7/16. Rest like 568.

Eggs No. 7 *Corvus americanus* Aud.
Eggs 5 in Red Cedar - Height 20 ft.

April 30, 1875.

- 1 *Turdus migratorius* L.
- 4 " *pallasi* Gm. Cab.
- 10 *Geothlypis trichas* (L.) Cab. (First seen)
- 16 *Sialia sialis* (L.) Healdeman.
- 21 *Agelaius calandula* (L.) Gt. C.
- 22 " *sabana* Gt. C.
- 31 *Parus atricapillus* L.
- 38 *Sitta carolinensis* Gm.
- 42 *Certhia familiaris* L.
- 50 *Ammodramus hyemalis* (Vil.) Gt. C.
- 57 *Merulophaea varia* (L.) V. (First seen)
- 78 *Dendroica coronata* (L.) Gt. C. (First seen)
- 90 " *palmarum* (Gm.) Bd. (First seen)
- 94 *Sciurus ludovicianus* (W.) Bp. (First seen)
- 111 *Merula borealis* (L.) Gt. C. (First seen)
- 112 *Tachycineta bicolor* (W.) Gt. C. (First seen)
- 114 *Petrochelidon lunifrons* (Say.) Cab. (First seen)
- 139 *Carpodacus purpureus* (Gm.) Gt. C.
- 161 *Pooecetes gramineus* (Gm.) Bd.
- 168 *Melospiza palustris* (Vil.) Bd.
- 169 " *melodia* (Vil.) Bd.
- 174 *Junco hyemalis* (L.) Gt. C.
- 178 *Spizella socialis* (Vil.) Bp.
- 179 " *pusilla* (Vil.) Bp.

- 182 *Zonotrichia albicollis* (Gm.) Bp. (First seen)
- (87) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V. (First seen)
- 221 *Scotocophagus ferrugineus* (Gm.) Sw.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Spizella socialis* (Vil.) Bd.
- 286 *Ceryle alcyon* (L.) Bon.
- 299 *Parus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 351 *Buteo borealis* (Gm.) V.
- 360 *Pandion haliaetus* (L.) Sargis.
- 385 *Bonasa umbellus*
- 457 *Ardea virescens* L. (First seen)
- 371 *Zenaidura 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 pallasi* Cab., that have been very abundant for some time previous, I saw but one individual to day. The ranks of the *Junco hyemalis* (L.) Gt. C. are also thinning rapidly.

While walking through the wood with my gun, this morning, a large Hawk, *Buteo borealis* (Gm.) V., flew from a tree near by, bearing in its claws a large piece of meat. The bird flew to a distance of about a quarter of a mile when it re-ighted. I went in pursuit, but before I could reach a place from where I could shoot it, it again flew, bearing its prey with it. I fired, however, and my fire shot made the feathers fly from the Hawk, and induced him to

let fall his prey. which proved to be a good sized Ruffed Grouse Bonasa umbellus. The feathers had all been picked off its body, which was partly eaten. The Hawk seemed to regret having let fall his bird. for he remained in vicinity some time, but could not be approached within gun-shot.

The Melospiza palustris were abundant about the shores of a clear pond. I had only noticed them in reedy marshes previously.

Skies

- 572 Podiceps cornutus Gr. Bd ♂ 4/27/75
6 1/4 10 1/16 Highland Falls Orange Co N.Y.
- 580 Podiceps cornutus (Gr.) Bd ♀ 4/27/75
6 10 1/4 H. Ft. N. York.
- 573 Podiceps cornutus - Horned Grebe ♀ 4/29/75
13 1/16 24 5 3/16 Bill 1 3/16 Bare part of tibia & tarsus 2 1/4 Outer toe 2 3/16.

Bill black tipped slightly on maxilla with horn color: mandible fleshy at base
Iris bright red. with a very narrow ring around pupil, of yellow.

Legs and feet above blackish: below greenish flesh-color. Cornwall Hudson R. N.Y.

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

- 575 Monticola carita (L.) V. ♂ 4/30/75:
H. Falls N.Y. Bill legs and feet black. Iris brown
5 1/16 8 5/16 2 1/16 2 Bill above 8/16
Tarsi 1 1/16 Middle toe and its claw 1 2 1/2 / 16

May 1, 1875.

- 1 Turdus migratorius L.
- 16 Sialia sialis (L.) Haldeman
- 21 Regulus calendula Licht.
- 31 Parus atricapillus L.
- 38 Sitta carolinensis Gr.
- 78 Dendroica coronata L. / Gr.
- 111 Corvus corax Barton
- 161 Podiceps cornutus (Gr.) Bd
- 169 Melospiza melodia (V.) Bd.
- 174 Junco hyemalis L. / Sel.
- 178 Spizella socialis (V.) Bp.
- 179 " palustris (V.) Bp.
- 182 Zonotrichia albicollis (Gr.) Bp.
- 187 Passer domesticus Linn.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus L. / Sw.
- 252 Sayornis fuscus (Gr.) Bd
- 299 Picus pubescens L.
- 313 Colaptes auratus L. / Sw.

Skies

- 576 Dendroica coronata L. / Gr. ♂ 4/30/75 H.F.
5 1/16 9 1/16 2 1/16 2 3/16 Bill 5/16 Tarsi 1 1/16 Middle toe & claw 1 1/16. 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 1/16
- 577 Regulus calendula (L.) Licht. ♂ 4/30/75 H.F.
4 6/16 7 1/16
- 578 Molothrus ater (Gr.) Gr. ♂ 4/29/75 H.F. Falls
8 1/16 13 1/2 / 16 4 1/16 3 Tarsi 1 5/16 Middle toe & claw 1 5/16
Iris brown. Legs and feet and bill black.
- 579 Pipilo erythrophthalmus (L.) V. ♂ 4/30/75 H.F.
8 5/16 11 2/16 3 1/16 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 *Geothlypis trichas* (S.) Cat.
- 16 *Sialia sialis* (L.) Healdeman
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 42 *Certhia familiaris* L.
- 78 *Dendroica coronata* (L.) Gr.
- 111 *Merula migratoria* Barton
- 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.
- 212 *Agelaius phoeniceus* (L.) V.
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Steph.
- 352 *Buteo lineatus* (Gm.) Jard.
- 436 *Fringoides macularius* (L.) Gr.

May 3, 1875.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Healdeman
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 78 *Dendroica coronata* (L.) Gr.
- 90 " *palmarum* (Gm.) Bd.
- 111 *Merula migratoria* Barton
- 112 *Tachycineta bicolor* (V.) Les.
- 114 *Petrochelidon lunifrons* (Say) Cat.
- 161 *Proccetes grammurus* (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 *Sayornis fuscus* (Gm.) Bd.
- 271 *Chaetura pelagica* (L.) Steph. (First seen)
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 338 *Accipiter fuscus* (Gm.) Bp.
- 339 " *cooperi* Bp.
- 355 *Buteo pennsylvanicus* (Wils.) Bp.
- 457 *Ardea virescens* L.

No. 271 was seen first, today.
I also procured a small bird, (Warbler) the name of which is unknown to me. ~~since capturing Warbler~~

May 4, 1875.

H. M. N. Y.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Healdeman
- 21 *Regulus calendula* (L.) Licht.
- 22 " *satrapa* Licht.
- 31 *Parus atricapillus* L.
- 78 *Dendroica coronata* (L.) Gr.
- 94 *Seiurus ludovicianus* (L.) Bp.
- 111 *Merula migratoria* Barton
- 112 *Tachycineta bicolor* (V.) Les.
- 114 *Petrochelidon lunifrons* (Say) Cat.
- 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.) Sw.
- 252 *Sayornis fuscus* (Gm.) Bd.

- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw
- 355 *Buteo borealis pennsylvanicus* (Wils) Bp.
- 360 *Pandion halliaetus* (L.) Sangin
- 385 *Bonasa umbellus* (L.) Steph.
- 457 *Ardea herodias* L.

I saw two of the *Seiurus ludovicianus* pursuing each other over a pond. They uttered their loud clear notes as clearly in mid-air as when perched.

Skinned (omitted) No 582 Highland Falls N.Y.
 May 3. *Scolecophagus ferrugineus* ♀ April 30/75.
 9 13³/₁₆ 4³/₁₆ 3⁵/₁₆ Iris yellow. Bill & feet black.

No. 583 *Colaptes auratus* (L.) Sw. ♂ 4/30/75.
 12¹/₁₆ 20⁸/₁₆ 6³/₁₆ 4¹/₁₆. Bill 1⁷/₁₆. Tarsi 12¹/₁₆
 Outer toe, in front, and nail 5¹/₁₆
 Iris brown. Bill black. Legs and feet greenish.

584 *Spizella socialis* (Wils) Bp. ♂ 4/30/75
 5⁷/₁₆ 8¹²/₁₆ Iris brown. Bill dusky. Legs & feet brown.

585 *Spizella socialis* (Wils) Bp. ♀ 4/30/75.
 5³/₁₆ 8⁷/₁₆ 2¹/₁₆ 2⁴/₁₆ Iris brown. Legs & feet brown
 Bill dusky.

586 *Merula migratoria* Barton ♂ 5/3/75.
 6¹/₁₆ 13 4¹/₁₆ 3¹/₁₆

587 *Dendroica coronata* (L.) Gr. ♂ 5/3/75.
 5⁹/₁₆ 9³/₁₆ 2⁴/₁₆ 2³/₁₆

588 *Dendroica coronata* (L.) Gr. ♂ 5/3/75
 5⁸/₁₆ 8¹²/₁₆

589 *Dendroica pinus* Warbler ♀ 5/3/75
 5⁴/₁₆ 8⁹/₁₆ 2¹/₁₆ 2 Iris brown. Bill black.
 Legs and feet brown. Was sitting motionless on a limb, when shot.

390 *Dendroica palmarum* (Sw) Bd ♂ 5/3/75
 5⁴/₁₆ 8²/₁₆ 2⁹/₁₆ 2¹/₁₆ Tarsi 1³/₁₆
 Bill, legs and feet blackish. Iris brown

591 *Tachycineta bicolor* (V.) Es. ♂ 5/3/75
 5¹/₁₆ 13 4¹/₁₆ 2⁵/₁₆ Iris brown

Skinned May 4 *Merula migratoria* Barton ♂ 5/4/75
 7⁷/₁₆ 13⁴/₁₆ 4¹/₁₆ 3¹/₁₆ Pell's Pond.

593 *Chaetura pelagica* (L.) Steph. ♂ 5/3/75
 5⁴/₁₆ 12⁸/₁₆ 5 1⁴/₁₆ Iris brown. Pell's Pond.

594 *Petrochelidon lunifrons* (Say.) Coak. ♂ 5/3/75
 5¹/₁₆ 12⁴/₁₆ 4⁴/₁₆ 2⁶/₁₆ Pell's Pond.

595 *Tachycineta bicolor* (V.) Es. ♂ 5/3/75
 5¹/₁₆ 12¹/₁₆ 4¹/₁₆ 2⁵/₁₆ Pell's Pond.

596 *Tachycineta bicolor* (V.) Es. ♂ 5/3/75
 5¹/₁₆ 12¹/₁₆ Pell's Pond.

606 *Tachycineta bicolor* (V.) Es. ♂ 5/3/75
 5⁹/₁₆ 12³/₁₆ Pell's Pond.

597 *Dendroica coronata* (L.) Gr. ♂ 5/3/75
 5⁹/₁₆ 8¹/₁₆

May 5.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Galdeman
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 57 *Merula migratoria* (L.) V.
- 78 *Dendroica coronata* (L.) Gr.
- 90 *Dendroica palmarum* (Sw) Bd.
- 94 *Seiurus ludovicianus* (L.) Bp.
- 111 *Merula migratoria* Barton.
- 159 *Passerculus savanna* (Wils) Bp.
- 168 *Melospiza palustris* (Wils) Bd.
- 169 " *melodia* (Wils) Bd.
- 174 *Junco hyemalis* (L.) Sch.
- 177 *Spizella monticola* (Sw) Bd.
- 178 " *socialis* (Wils) Bp.
- 179 " *pusilla* (Wils) Bp.
- 182 *Zonotrichia albicollis* (Sw) 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 pelagica* (L.) Steph.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 385 *Bonasa umbellus* (L.) Steph.
- 486 *Tringoides macularius* (L.) Gs.

The *Passerculus savanna* (Vils.) Bp. were three in number, feeding beside a salt marsh creek. They made a whirring noise in flight; were not shy 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.

Skinn No: 598 *Tachycineta bicolor* (V.) C. ♂ 5/4/75 H.F.
Iris brown. Bill black. Feet brown.

6 2/16 12 10/16 4 9/16 2 4/16

599 *Tachycineta bicolor* (V.) C. ♀ 5/4/75

5 8/16 12 5/16 4 7 1/2 16 2 4/16

600 *Herundo horreorum* Barton ♂ 5/4/75

7 12 12/16 4 13/16 3 5/16

601 *Herundo horreorum* Barton ♀ 5/4/75

6 8/16 12 10/16 4 10 1/2 16 3 2/16

602 *Zonotrichia albicollis* (Gm.) Bp. ♂ 5/4/75

6 8/16 9 7/16 2 1/4 2 1 3/16

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 1/16 9 4/16 2 13/16 2 14/16

May 6

- 1 *Turdus migratorius* L.
- 10 *Harporhynchus rufus* (L.) Cab.
- 16 *Sialia sialis* (L.) Healdeman.
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V. (first seen)
- 57 *Merula varia* (L.) V.
- 78 *Dendroica coronata* (L.) Gs.
- 90 " *palmarum* (Gm.) Bd.
- 94 *Seiurus ludovicianus* (V.) Bp.
- 111 *Herundo horreorum* Barton
- 169 *Melospiza melodia* (Vils.) Bd.
- 174 *Junco hyemalis* (L.) Sc.
- 178 *Spizella socialis* (Vils.) Bp.
- 179 " *pusilla* (Vils.) 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 pelagica* (L.) Steph.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 351 *Buteo borealis* (Gm.) V.
- 385 *Bonasa umbellus* (L.) Steph.
- 457 *Ardea herodias* L.

Troglodytes aedon; first seen to day.

Skinn *Hirundo* ♂ 5/4/75

No: 607 *Herundo horreorum* Barton ♂ 5/4/75

608 " " " " ♂ 5/4/75

609 *Tachycineta bicolor* (V.) C. ♂ 5/4/75

600 " " " " ♂ 5/4/75

611 *Pipilo erythrophthalmus* (L.) V. ♀ 5/5/75

- 8 3/16 10 1/16 3 2/16 3 1/16 Tarsus 1 1/16 Middle toe & claw

Iris red. Bill black. Legs and feet brown

- No. 612 *Dendroica palmarum* (Sw.) Bd. ♀ 5/5/75
- 613 *Passerculus savanna* (Vils.) Bp. ♂ 5/5/75
5 10/16 9 6/16 2 2/16 2 1/16
- 614 *Passerculus savanna* (Sw.) Bd ♀ 5/5/75
5 4/16 8 4/16 2 0/16 1 5/16
- 615 *Passerculus savanna* (Sw.) Bd ♀ 5/5/75
5 4/16 8 2/16 2 2/16 1 1/16
- 616 *Troglodytes aedon* V. ♂ 5/6/75
4 11/16 6 1/16 1 15/16 1 1/16 Tarsi 9/16 Middle toe + claw 9/16
Bill 7 1/2/16 Legs and feet flesh-color. Irides 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 " *cornata* (L.) Sw.
- 111 *Merula horreorum* Barton
- 112 *Lachy cineta bicolor* (V.) Es.
- 169 *Melospiza melodia* (Vils.) Bd.
- 174 *Junco hyemalis* (L.) Sch.
- 178 *Spizella socialis* (Vils.) Bp.
- 179 " *pusilla* (Vils.) Bp.
- 182 *Donotrichia albicollis* (Sw.) Bp.
- (187) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Sayornis fuscus* (Sw.) Bd.
- 271 *Chaetura pelagica* (L.) Steph.
- 299 *Picus pubescens* L.
- 312 *Coccyzus americanus* (L.) Sw.
- 351 *Buteo borealis* (Sw.) V.
- 385 *Bonasa umbellus* (L.) Steud.

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 *Geothlypis trichas* (L.) Cat.
- 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 cornata* (L.) Sw.
- 90 " *palmarum* (Sw.) Bd.
- 94 *Seiurus ludovicianus* (V.) Bp.
- 111 *Merula horreorum* Barton
- 112 *Lachy cineta bicolor* (V.) Es.
- 114 *Petrochelidon lunifrons* (Say.) Cat.
- 139 *Carpodacus purpureus* (Sw.) Sw.
- 169 *Melospiza melodia* (Vils.) Bd.
- 174 *Junco hyemalis* (L.) Sch.
- 178 *Spizella socialis* (Vils.) Bp.
- 179 " (Vils.) Bp.
- 182 *Donotrichia albicollis* (Sw.) Bp.
- (187) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fuscus* (Sw.) Bd.
- 271 *Chaetura pelagica* (L.) Steph.
- 299 *Picus pubescens* L.
- 312 *Coccyzus americanus* (L.) Sw.
- 339 *Accipiter cooperi* Bp.

- 360 Pandion halliaetus (L.) Savigny
 - 370 Ectopistes migratorius (L.) Sw.
 - 385 Boreas umbellus (L.) Steph.
 - 457 Ardea herodias L.
 - 547 Larus argentatus Brunn.
- Spot a half albino specimen of the *S. socialis*! (Wils. Bp.)

May 9.

- 1 Turdus migratorius L. (seen by Mr. Astor May 1st.)
- 9 Mermus carolinensis (L.) Sw. (First seen)
- 16 Sialia sialis (L.) Haldeman
- 21 Regulus calendula (L.) Licht.
- 31 Parus atricapillus L.
- 49 Troglodytes aedon V.
- 78 Dendroica cornata (L.) Gr.
- 100 Icteria virens (L.) Bd. (seen by F. Astor May 1st)
- 111 Herundo horreorum Barton.
- 169 Melospiza melodia (Wils.) Bd.
- 178 Spizella socialis (Wils.) Bp.
- 179 " pusilla (Wils.) Bp.
- 182 Zenotrichia albicollis (Gm.) Bp.
- (187) Passer domesticus Linn.
- 215 Icterus spurius (L.) Bp. (First seen)
- 216 " baltimore (L.) Gaudin (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 pelagica (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 Astor on the other side of the Bay

May 10

- 1 Turdus migratorius L.
- 3 Turdus mustelinus Gm. (First seen)
- 9 Mermus carolinensis (L.) Sw.
- 10 Hesperothymus rufus (L.) Cat.
- 16 Sialia sialis (L.) Haldeman.
- 31 Parus atricapillus L.
- 49 Troglodytes aedon V.
- 78 Dendroica cornata (L.) Gr.
- 80 " blackburnia (Gm.) Bd. (First seen)
- 92 Sturnus auropellus (L.) Sw. (First seen)
- 97 Geothlypis trichas (L.) Cab. (First seen)
- 100 Icteria virens (L.) Bd.
- 111 Herundo horreorum Barton
- 169 Melospiza melodia (Wils.) Bd.
- 178 Spizella socialis (Wils.) Bp.
- 179 " pusilla (Wils.) Bp.
- 182 Zenotrichia albicollis (Gm.) Bp.
- (187) Passer domesticus Linn.
- 204 Pipilo erythrophthalmus (L.) V.
- 215 Icterus spurius (L.) Bp.
- 216 " baltimore (L.) Gaudin.
- 228 Corvus americanus Aud.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Gm.) Bd.
- 258 Empidonax minimus Bd. (First seen)
- 265 Anthrostromus vociferus (Wils.) Bp.
- 271 Chaetura pelagica (L.) Steph.
- 286 Ceryle alcyon (L.) Boie
- 299 Picus pubescens L.
- 312 Colaptes auratus (L.) Sw.
- 434 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 21. date was probably ~~wrong~~ ^{a mistake}?)

Skins Nos 617 Spizella socialis (Wils.) Bp. & Albino
 5/8/75 Putnam Co. N.Y. 5 8/16 8 9/16 2 1/4 2 9/16

- No: 618 *Junco hyemalis* (L.) Sel. ♂ 5/8/75 H.F.
- " 619 *Spizella pusilla* (Vils.) Bp. ♂ 5/8/75 H.F.
5³/₁₆ 8³/₁₆
- 620 *Mniotilta varia* (L.) V. ♂ 5/8/75 H.F.
5⁸/₁₆ 8¹⁴/₁₆
- 621 *Sciurus ludovicianus* (V.) Bp. ♀ 5/8/75 H.F.
6⁸/₁₆ 10¹⁰/₁₆ 3⁵/₁₆ 2¹/₁₆
- 622 *Dendroica palmarum* (Gm.) Bd. ♂ 5/8/75 H.F.
- 623 *Merula horreorum* Barton. ♂ 5/8/75 H.F.
- 624 *Tyrannus carolinensis* (L.) Bd. ♀ 5/10/75 H.F.
8³/₁₆ 14¹¹/₁₆ 4⁸/₁₆ 3³/₁₆
- 625 *Sciurus auricapillus* (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.
5³/₁₆ 7³/₁₆ 2¹/₁₆ 2¹/₁₆

May 11

- 1 *Turdus migratorius* L.
- 3 " *multicolor* Gm
- 6 " ^{swainsoni} ~~fuscus~~ *fuscus* Steph. (First seen)
- 9 *Mimus carolinensis* (L.) Sw.
- 10 *Caprimulgus rufus* (L.) Cab.
- 16 *Sialia sialis* (L.) Calderman.
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 67 *Helminthophaga ruficapilla* (Vils.) Bd. (First seen)
- 71 *Dendroica striata* (Gm.) Bd. (First seen)
- 76 " *caerulea* (L.) Bd. (First seen) p. 131.
- 78 " *coronata* (L.) Sw.
- 84 " *maculosa* (Gm.) Bd. (First seen)
- 92 *Sciurus auricapillus* (L.) Sw.
- 94 " *ludovicianus* (V.) Bp.
- 97 *Geothlypis trichas* (L.) Cab. (First seen) p. 133.
- 100 *Peteria virens* (L.) Bd.
- 101 *Myadestes migratorius* (Gm.) Aud. (First seen)
- 104 *Sceloporus cuticilla* (L.) Sw. (First seen)
- 111 *Merula horreorum* Barton

- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Bp.
- 179 " *pusilla* (Vils.) Bp.
- (187) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 206 *Icterus baltimore* (L.) Dandrin.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Colaptes auratus* (L.) Cab. (First seen)
- 258 *Empidonax minimus* Bd.
- 265 *Antrostomus vociferus* (Vils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L. (First seen)
- 286 *Ceryle alcyon* (L.) Boiss.
- 299 *Parus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 339 *Accipiter cooperi* Bp.
- 385 *Bonasa umbellus* (L.) Steph.
- 434 *Fringoides inaeularius* (L.) Sw.
- 457/457 *Ardea virescens* L.

All nos 62, 67, 71, 76, 84, 97, 101, 255, 275, newly arrived
 The *Turdus swainsoni*, were two, and very
 wild. I procured one with some difficulty
 They were the first I have seen alive.

Skies

- 628 *Tyrannus carolinensis* (L.) Bd. ♂ 5/10/75 H.F. (Fall)
- 629 *Mimus carolinensis* (L.) Sw. ♀ 5/10/75 H.F.
- 630 *Icterus baltimore* (L.) Dandrin ♀ 5/11/75 H.F.
- 631 *Icterus baltimore* (L.) Dandrin ♂ juv 5/11/75 H.F.
- 632 *Icterus baltimore* (L.) Dandrin ♂ 5/11/75 H.F.
- 633 *Pipilo erythrophthalmus* (L.) V. ♂ 5/11/75 H.F.
- 634 *Chaetura pelagica* (L.) Steph. ♂ 5/11/75 H.F.
- 635 *Chaetura pelagica* (L.) Steph. ♀ 5/11/75 H.F.
- 636 *Chaetura pelagica* (L.) Steph. ♂ 5/11/75 H.F.

- No. 637 *Dendroica maculosa* (Em.) Bd. ♂ 5/11/75 H.F.
5 1/16 7 3/16 2 3/16 2 3/16
- 638 *Dendroica caerulescens* (L.) Bd. ♂ 5/11/75 H.F.
5 2/16 7 13/16 2 3/16 2 1/16
- 639 *Helminthophaga ruficapilla* (Vill.) Bp. ♀ 5/11/75
4 5/16 7 1/16 2 3/16 1 1/16
- 640 *Myiodiodes mitratus* (Em.) Aud. ♀ 5/11/75 H.F.
5 1/16 7 13/16 2 3/16 2.

May 12.

- 1 *Turdus migratorius* L.
- 4 " *muscelinus* Em.
- 6 " ^{suavis} *fulvescens* Steph.
- 9 *Merula carolinensis* (L.) Gr.
- 10 *Carpodacus rufus* (L.) Cab.
- 16 *Sialia sialis* (L.) Galdeman
- 31 *Tarus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 58 *Tamias americanus* (L.) Bp. (First seen)
- 67 *Helminthophaga ruficapilla* (Vill.) Bp.
- 70 *Dendroica aestiva* (Em.) Bd. (First seen)
- 71 " *viridis* (Em.) Bd.
- 78 " *coronata* (L.) Gr.
- 83 " *pennsylvanica* (L.) Bd. (First seen)
- 84 " *maculosa* (Em.) Bd.
- 92 *Sciurus arvicapillus* (L.) Sw.
- 94 " *indocianus* V. Bp.
- 100 *Icteria virens* (L.) Bd.
- 101 *Myiodiodes mitratus* (Em.) Aud.
- 102 " *pusillus* (Vill.) Bp. (First seen)
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton.
- 112 *Tachycineta bicolor* (V.) Ca.
- 119 *Amphispiza cedrorum* (V.) Bp.
- 139 *Carpodacus purpureus* (Em.) Gr.
- 149 *Ceryle alcyon* (L.) Boie.
- 97 *Geothlypis trichas* (L.) Cab.

- 168 *Melospiza palustris* (Vill.) Bd.
- 169 *Melospiza melodia* (Vill.) Bd.
- 178 *Spizella socialis* (Vill.) Bp.
- 179 " *pusilla* (Vill.) Bp.
- 183 *Zenaidura macroura* (Em.) Bp.
- (187) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 211 *Melospiza cinerea* (Em.) Gr.
- 216 *Icterus baltimore* (L.) Gaudin.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Agelaius phoeniceus* (Em.) Bd.
- 253 *Curtupus virens* (L.) Cab.
- 256 *Cempidonax ~~caerulescens~~ ^{trillii}* (Em.) Bd. (First seen)
- 258 " *minimus* Bd.
- 265 *Antrostomus vociferus* (Vill.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Boie.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Gr.
- 385 *Bonasa umbellus* (L.) Steph.
- 457 *Ardea virescens* L.

No. 58, 70, 83, 102, 256, first seen to day
 1 I shot one specimen of *Myiodiodes 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* (Vill.) 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 *Myiodiodes mitratus* (Em.) Aud. ♂ 5/12/75 H.F.
5 7/16 7 13/16 2 3/16 2 5/16. In his house

No. 693 *Turdus swainsoni* Steph. ♀ 5/11/75 H.F.
Pie brown 6^{13/16} 12 3^{15/16} 2^{1/4} Tarsi 1^{5/16}

May 13.

- 1 *Turdus migratorius* L.
- 3 " *mussetianus* Em.
- 6 " ^{swainsoni} ~~mussetianus~~ Steph.
- 9 *Mimus carolinensis* (L.) Gr.
- 10 *Caprohypochus rufus* (L.) Cab.
- 16 *Sialia hialis* (L.) Waldenm.
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 57 *Mniotilta varia* (L.) V.
- 58 *Parula americana* (L.) Pp.
- 67 *Helminthophaga ruficapilla* (Vils.) Bd.
- 68 " *celata* Say/Bd. (First seen)
- 70 *Dendroica aestiva* (Em.) Bd.
- 71 " *viridis* (Em.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *cornata* (L.) Gr.
- 83 " *pennsylvanica* (L.) Bd.
- 92 *Sciurus arvocephalus* (L.) Sw.
- 94 " *ludovicianus* (V.) Bp.
- 97 *Geothlypis trichas* (L.) Cab.
- 100 *Icteria virens* (L.) Bd.
- 101 *Myiodynastes mitratus* (Em.) & Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Merula horreorum* Barton
- 119 *Ampelis cedrorum* (L.) Bd.
- 139 *Carpodacus purpureus* (Em.) Gr.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Bp.
- 179 " *pusilla* (Vils.) Bp.
- 193 *Zonotrichia ludovicianae* (L.) Bourdich. (First seen)

- 204 *Pipilo erythrophthalmus* (L.) V.
- 216 *Icterus baltimore* (L.) Dandin
- 228 *Ceruus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Em.) Bd.
- 258 *Empidonax minimus* Bd.
- 265 *Anthrocinus vociferus* (Vils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Frotilus colubris* L.
- 286 *Ceryle alcyon* (L.) Boré
- 298 *Picus sciurus* L.
- 299 " *pubescens* L.
- 309 *Melanerpes erythrocephalus* (L.) Sw. (First seen)
- 312 *Colaptes auratus* (L.) Sw.
- 338 *Accipiter fuscus* (Em.) Bp.
- 362 *Haliaeetus leucocephalus* (L.) Savigny.
- 385 *Bonasa umbellus* (L.) Atth.
- 436 *Tringoides macularius* (L.) Gr.
- 457 *Ardea herodias* L.

No. 68, 193, 275, 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 chirp, as it flitted from branch to branch. I was the first I ever saw.

- II The *T. swainsoni* ~~mussetianus~~ 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 in the top of a tall bush.
- VIII *S. ludovicianae*. One bird seen. Sang very sweetly, beside a little brook.

- IX *Melanerpes erythrocephalus* (L.) Sw. One seen.
- 644 *Troglodytes macularius* (L.) Gr. ♂ 5/10/75 H.E.
8 13¹/₁₆ 4¹/₁₆
- 645 *Myiodytes mitratus* (Am.) Aud. ♂ 5/12/75
5¹/₁₆ 7¹/₁₆ 2¹/₁₆ 2⁵/₁₆
- 646 *Dendroica caerulescens* (L.) Bd. ♂ 5/11/75
5²/₁₆ 7¹/₁₆ 2¹/₁₆ 2¹/₁₆
- 647 *Dendroica virens* (Am.) Bd. ♂ 5/11/75
5 7¹/₁₆ 2¹/₁₆ 2
- 648 *Dendroica pennsylvanica* (L.) Bd. ♂ 5/12/75
5 7¹/₁₆ 2¹/₁₆ 1¹/₁₆
- 649 *Turdus ^{swainsoni} ~~musci~~* (L.) Steph. ♂ 5/12/75
- 650 " *musci* (L.) Steph. ♂ 5/10/75
8³/₁₆ 13³/₁₆ 4³/₁₆ 2¹/₁₆
- 651 *Dendroica maculosa* (Am.) Bd. ♂ 5/12/75
4¹/₁₆ 7¹/₁₆ 2¹/₁₆ 1¹/₁₆
- 652 *Empidonax minimus* Bd. ♂ 5/11/75
5⁴/₁₆ 8⁴/₁₆ 2¹/₁₆ 2³/₁₆
- 653 *Empidonax minimus* Bd. ♀ 5/11/75
4¹/₁₆ 7¹/₁₆ 2¹/₁₆ 1¹/₁₆
- 654 *Setophaga ruticilla* (L.) Sw. ♂ 5/11/75
5³/₁₆ 7¹/₁₆ 2¹/₁₆ 2¹/₁₆
- 655 *Parula americana* (L.) Bp. ♂ 5/12/75
4¹/₁₆ 7¹/₁₆ 2¹/₁₆ 1²/₁₆
- 656 *Myiodytes pusillus* (Wils.) Bp. ♂ 5/12/75
5 7¹/₁₆ 2¹/₁₆ 2¹/₁₆
- 657 *Myiodytes mitratus* (Am.) Aud. ♂ 5/12/75

May 14.

- 1 *Turdus migratorius* L.
- 3 " *musci* Sw.
- 6 " *swainsoni* Steph.
- 9 *Merula carolinensis* (L.) Bp.
- 10 *Corporhychnus rufus* (L.) Cab.
- 16 *Sialia sialis* (L.) G. Alderman
- 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* (Am.) Bd.; common in the tree tops.
- 78 *Dendroica cornata* (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 *Myiodytes mitratus* (Am.) Aud.; common.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Pyanga rubra* (L.) V.; (newly arrived.)
- 111 *Thirundo horeorum* Barton.
- 119 *Ampelis cedrorum* (L.) Bd.
- 129 *Vireo noveboracensis* (Am.) Bp. (newly arrived)
- 139 *Carpodacus purpureus* (Am.) Gr.
- 149 *Ceryle alcyon* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 " *pusilla* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 193 *Somateria ludovicianus* (L.) Baudin; one seen.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 214 *Icterus baltimore* (L.) Gannett
- 228 *Coccyz americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Syrannus carolinensis* (L.) Bd.
- 252 *Agelaius fuscus* (Am.) Bd.
- 258 *Empidonax minimus* Bd.
- 265 *Antrostomus vociferans* (Wils.) Bp.
- 271 *Chetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 299 *Tricus fuscus* L.
- 312 *Cedrales auratus* (L.) Sw.
- 385 *Bonasa umbellus* (L.) Steph.
- 436 *Troglodytes macularius* (L.) Gr.

- N^o. 658 *Turdus* ~~*fuscescens*~~ *Swainsoni* Steph. ♂ 5/13/75 H.E.
- " 659 " *Swainsoni* Cab ♀ "
- " 660 " " ♂ "
- " 661 " " ♀ "
- " 662 *Icterus baltimore* (L.) Daudin. ♂ 5/12/75
- " 663 " " ♂ 5/13/75
- " 664 *Pyrranga rubra* (L.) V. ♂ 5/14/75
7 1/16 12 3/16 3 13/16 2 12/16 Tarsi 1/16 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 1/16 8 7/16
- 667 *Helminthophaga celata* (Say) Bd ♂ 5/13/75
4 1/16 7 4/16 2 5/16 1 13/16 Tarsi 1/16 Iris brown.
- 668 *Helminthophaga ruficapilla* (Vils) Bd ♂ 5/13/75
- 669 " " ♂ "
- 670 *Parula americana* (L.) Bp. ♀ 5/13/75
4 1/16 7.

May 15.

- 1 *Turdus migratorius* L.
- 3 " *rustelinus* Sw.
- 6 " ~~*fuscescens*~~ *Swainsoni* Steph.; very common
- 9 *Myiurus carolinensis* (L.) Gr.
- 10 *Carpodacus purpureus* (L.) Cab.
- 16 *Sialia sialis* (L.) Galdeman
- 49 *Troglodytes aedon* V.
- 57 *Mniotilta varia* (L.) V.; very plentiful.
- 58 *Parula americana* (L.) Bp.; very plentiful
- 60 *Helminthophaga vermivora* (Em.) Bp. One seen (first seen)
- 67 *Helminthophaga ruficapilla* (Vils) Bd.; common
- 70 *Dendroica aestiva* (Em.) Bd;
- 71 " *virere* (Em.) Bd.; common.
- 76 " *caerulescens* (L.) Bd.; not common.
- 77 " *caerulea* (Wilson) Bd.; several seen (first)
- 78 " *cornata* (L.) Gr.
- 83 " *pennsylvanica* (L.) Bd.; common

- 84 *Dendroica maculosa* (Em.) Bd.; rather common
- 92 *Sciurus aurocapillus* (L.) Sw.
- 97 *Geothlypis trichas* (L.) Cab.; common
- 100 *Icterus virens* (L.) Bd.; common
- 101 *Myiarchus cinerascens* (Em.) Aud.; rather common
- 104 *Petrochelidon ruticilla* (L.) Sw.
- 107 *Pyrranga rubra* (L.) V.; rather common
- 111 *Hirundo horreorum* Barton
- 112 *Tachycineta bicolor* (W.) C.
- 114 *Petrochelidon lunifrons* (Say) Cab.
- 119 *Ampelis cedrorum* (L.) Bd.
- 139 *Carpodacus purpureus* (Em.) Gr.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Bp.
- 179 " *pusilla* (Vils.) Bp.
- (187) *Passer domesticus* Linn.
- 193 *Zonotrichia ludoviciana* (L.) Boddich; rare.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 216 *Icterus baltimore* (L.) Daudin
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Syrannus carolinensis* (L.) Bd.
- 252 *Lanius fuscus* (Em.) Bd.
- 256 *Empidonax ^{trillii} ~~caeruleus~~* (Em.) Bd.; not common
- 258 " *minimus* Bd.; very common
- 265 *Antrostomus vociferans* (Vils.) Bp.
- 267 *Chordeiles virginianus* (Bris.) Bp.; one shot (first seen)
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Prochilus colubus* L.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 338 *Accipiter fuscus* (Em.) Bp. seen.
- 351 *Buteo borealis* (Em.) V. seen
- 355 " *pennsylvanicus* (Vils.) Bp. seen
- 385 *Pandora umbellus* (L.) Steph.

100, 77, 267, newly arrived
Dendroica caerulescens; have never noticed this
species here before

Skins No: 671 *Pyrranga rubra* (L.) O. B. 5/14/75 H. F.
7 3/4 12 5/16 3 1/4 2 1/4 Tarsi 1/4
672 *Merulitta varia* (L.) V. 5/15/75 H. Falls.

May 16.

- 1 *Turdus migratorius* L.
- 3 " *mustelinus* Gm.
- 6 " ^{Swainsoni} ~~fuscus~~ *fuscus* Steph.
- 9 *Mimus carolinensis* (L.) Gr.
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes aedon* V.
- 57 *Merulitta 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.) Cat.
- 100 *Icteria virens* (L.) Bd.
- 101 *Myiodytes mitratus* (Gm.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Heirundo horreorum* Barton.
- 112 *Tachycineta bicolor* (L.) C.
- 139 *Carpodacus purpureus* (Gm.) Gr.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- (187) *Tasser domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 211 *Molothrus ater* (Gm.) Gr.
- 212 *Agelaius 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.) Cat.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Coccyzus erythrophthalmus* (L.) Cat.
- ? 256 *Empidonax acadicus* (Gm.) Bd.
- 258 " *minimus* Bd.
- 257 " *traillii* (Aud.) Bd.; one bird seen.
- 234 *Cyanurus cristatus* (L.) Sw.
- 385 *Bonasa umbellus* (L.) Steph.
- 371 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubus* L.
- 286 *Ceryle alcyon* (L.) Boit.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 265 *Antrostomus vociferus* (Wils.) Bp.

May 17.

- 1 *Turdus migratorius* L.
- 3 " *mustelinus* Gm.
- 6 " ^{Swainsoni} ~~fuscus~~ *fuscus* Steph.
- 9 *Mimus carolinensis* (L.) Gr.
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes aedon* V.
- 57 *Merulitta 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 *Heirundo 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.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 211 *Molothrus ater* (Gm.) G.
- 212 *Agelaius phoeniceus* (L.) V.
- 214 *Icterus baltimore* (L.) Gaudin.
- 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 vociferans* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 436 *Ceryle alcyon* (L.) G.

SKive

- No. 673 *Pyrranga rubra* (L.) V. ♂ 5/15/75 H.E.
- 674 *Dendroica caerulea* (Wils.) Bd ♂ 5/17/75
5 8¹/₁₆ 2⁹/₁₆ 1¹/₁₆ Bill 6¹/₁₆ Tarsi 7¹/₁₆
- 675 *Petrochelidon lunifrons* (Say) Cab ♂ 5/17/75
6⁴/₁₆ 10¹⁵/₁₆ 4⁷/₁₆ 2
- 676 *Dendroica maculosa* (Gm.) Bd ♀ 5/17/75
5 7⁸/₁₆ 2⁵/₁₆ 1¹⁵/₁₆
- 677 *Dendroica caerulescens* (L.) Bd. ♂ 5/17/75
5⁹/₁₆ 8²/₁₆
- 678 *Trochilus colubris* L. ♂ 5/17/75 3¹/₁₆ 4⁷/₁₆ 1¹/₁₆ 1³/₁₆ Bill 2¹/₁₆
- 679 *Vireo noveboracensis* (Gm.) Bd ♀ 5/16/75
5²/₁₆ 7³/₁₆ 2⁵/₁₆ 1¹⁵/₁₆ Iris white
- 680 *Parula americana* ♂ 5/17/75
- 681 *Chordeiles virginianus* (Bridg.) Bp ♀ 5/17/75
10 24 7¹/₁₆ 4¹/₁₆
- 682 *Icteria virens* (L.) Bd ♀ 5/17/75
- 683 *Turdus migratorius* L ♀ 5/17/75

May 18.

- 1 *Turdus migratorius* L.
- 3 " *rustelinus* Gm.
- 6 ~~*Empidonax*~~ *Steph.*
- 9 *Merula carolinensis* (L.) G.
- 10 *Carpodacus purpureus* (L.) Cat.
- 16 *Sialia sialis* (L.) Haldeman.
- 21 *Regulus calendula* (L.) Licht.
- 49 *Troglodytes aedon* V.
- 57 *Merula varia* (L.) V.
- 58 *Parula americana* (L.) Bp.
- 60 *Helminthophaga vermicorua* (Gm.) Bp.
- 67 *Helminthophaga ruficapilla* (Wils.) Bd.
- 70 *Dendroica aestiva* (Gm.) Bd.
- 71 " *virens* (Gm.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *coronata* (L.) G.
- 92 *Sciurus aurocapillus* (L.) Sw.
- 97 *Geothlypis trichas* (L.) Cat.
- 100 *Icteria virens* (L.) Bd.
- 101 *Merulodictes mitratus* (Gm.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Pyrranga rubra* (L.) V.
- 111 *Hirundo horreorum* Baston.
- 114 *Petrochelidon lunifrons* (Say) Cat.
- 129 *Vireo noveboracensis* (Gm.) Bp.
- 139 *Carpodacus purpureus* (Gm.) G.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 " *pusilla* (Wils.) Bp.
- 187 *Passer domesticus* Linn.
- 193 *Zonotrichia ludoviciana* (L.) Boudich.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 211 *Molothrus ater* (Gm.) G.
- 216 *Icterus baltimore* (L.) Gaudin.

- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Em.) Bd.
- 255 *Contopus virens* (L.) Cat.
- 258 *Empidonax minimus* Bd.
- 265 *Antrostomus vociferus* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 286 *Ceryle alcyon* (L.) Bori.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 355 *Buteo pennsylvanicus* (Wald.) Bp. ^{sen}
- 385 *Bonasa umbellus* (L.) Steph.
- 436 *Fringoides macularius* (L.) Gr.

May 19.

- 1 *Turdus migratorius* L.
- 3 " ^{swainsoni} ~~mustelinus~~ Em.
- 6 " ^{fulviventris} ~~fulviventris~~ Steph.
- 9 *Merula carolinensis* (L.) Gr.
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) ^{Haldeman}
- 49 *Troglodytes aedon* V.
- 57 *Merulitta varia* (L.) V.
- 58 *Parula americana* (L.) Bp.
- 67 *Helminthophaga ruficapilla* (Wils.) Bd.
- 70 *Dendroica aestiva* (Em.) Bd.
- 71 " *virens* (Em.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *coronata* (L.) Gr.
- 92 *Sciurus arvicapillus* (L.) Sw.
- 97 *Geothlypis trichas* (L.) Cat.
- 100 *Icterus virens* (L.) Bd.
- 101 *Mniotilta varia* (L.) V.
- 104 *Stelophaga ruticilla* (L.) Sw.

- 107 *Pyrranga rubra* (L.) V.
- 111 *Merula horreorum* Bart.
- 114 *Petrochelidon lunifrons* (Say) Cat.
- 139 *Carpodacus purpureus* (Em.) Gr.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Bp.
- (187) *Passer domesticus* Linn.
- 193 *Zonotrichia ludoviciana* (L.) ^{Bowdich}
- 204 *Pipilo erythrophthalmus* (L.) V.
- 211 *Melospiza cinerea* (Em.) Gr.
- 215 *Icterus spurius* (L.) Bp.
- 216 " *baltimore* (L.) ^{Gardner}

- 225 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 247 *Merula carolinensis* (L.) Cat.
- 252 *Sayornis fuscus* (Em.) Bd.
- 255 *Contopus virens* (L.) Cat.
- 258 *Empidonax minimus* Bd.
- 265 *Antrostomus vociferus* (Wils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 286 *Ceryle alcyon* (L.) Bori.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 436 *Fringoides macularius* (L.) Gr.

May 20.

- 1 *Turdus migratorius* L.
- 3 " ^{swainsoni} ~~mustelinus~~ Em.
- 6 " ^{fulviventris} ~~fulviventris~~ Steph.
- 9 *Merula carolinensis* (L.) ^{Cat} Gr.
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) ^{Haldeman}
- 49 *Troglodytes aedon* V.
- 57 *Merulitta varia* (L.) V.
- 58 *Parula americana* (L.) Bp.

- 67 *Helminthophaga ruficapilla* (Vils.) Bd.
- 70 *Dendroica aestiva* (Gm.) Bd.
- 71 " *virens* (Gm.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *cornata* (L.) Gr.
- 83 " *pennsylvanica* (L.) Bd.
- 84 " *maculosa* (Gm.) Bd.
- 92 *Seiurus aurocapillus* (L.) Sw.
- 97 *Geothlypis trichas* (L.) Cat.
- 100 *Icteria virens* (L.) Bd.
- 101 *Meyididictes mitratus* (Gm.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Pyrranga rubra* (L.) V.
- 111 *Herundo horreorum* Barton
- 114 *Petrochelidon lunifrons* Say / Cat.
- 122 *Vireo olivaceus* (L.) V. - First seen
- 139 *Carpodacus purpureus* (Gm.) Gr.
- 149 ~~*Cyanospiza cyanocephala*~~ *Chrysomitris tristis* (L.) (M.)
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Bp.
- 179 " *pusillus* (Vils.) Bp.
- (187) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 216 " *baltimore* (L.) Dandru.
- 228 *Corvus americanus* (L.) Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Gm.) Gr.
- 255 *Cathartes aura* (L.) Cat.
- 258 *Erythrornis minimus* (L.) Bd.
- 265 *Antrostomus vociferus* (Vils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 286 *Ceryle alcyon* (L.) Boie.
- 290 *Coccyzus erythrophthalmus* (L.) H. (M.) Bd.
- 299 *Picus pubescens* L.

- 312 *Colaptes auratus* (L.) Sw.
- 355 *Buteo pennsylvanicus* (Wilson) Bp.
- 457 *Ardea virescens* Linn.
- Skinn No. 684 *Soniapha ludoviciana* (L.) Boudich ♀ 5/20/75
8 4/16 12 13/16 4 2 13/16 Iris brown.
- No. 685 *Soniapha ludoviciana* (L.) Boudich ♂ 5/20/75
- 686 *Dendroica caerulescens* (Vils.) Bd. ♀ 5/20/75
4 13/16 7 1/16
- 687 *Coccyzus erythrophthalmus* (Gm.) Bd. ♂ 5/20/75
12 11 9 2/16 5 5/16 6 1/16 Iris brown; Cyclid. red.
- 688 *Setophaga ruticilla* (L.) Sw. ♂ 5/17/75 H.F.
- 689 *Helminthophaga ruficapilla* (Vils.) Bd. ♂ 5/19/75
- 690 *Dendroica caerulescens* (Vils.) Bd. ♂ 5/20/75
- 691 *Dendroica virens* (Gm.) Bd. ♀ 5/20/75
- 692 " *pennsylvanica* (L.) Bp. ♂ 5/20/75
- 693 *Carpodacus purpureus* (Gm.) Gr. ♂ 5/20/75
- 694 *Pyrranga rubra* (L.) V. ♂ 5/30/75.
- 695 *Parula americana* (L.) Bp. ♂ 5/20/75
- 696 *Vireo gilvus* (L.) Bp. ♂ 5/20/75
- 697 *Trochilus colubris* L. ♂ 5/20/75

May 21.

- 1 *Turdus migratorius* L.
- 3 " *muscelinus* Gm.
- 6 " ~~*muscelinus*~~ *Steph.*
- 9 *Merula carolinensis* (L.) Gr.
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) Haldeman.
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 51 *Telmatodytes palustris* (Vils.) Cat.; first seen this Spring
- 57 *Mniotilta varia* (L.) V.
- 58 *Parula americana* (L.) Bp.
- 67 *Helminthophaga ruficapilla* (Vils.) Bd.
- 67 *Helminthophaga peregrina* (Vils.) Cat.; several seen.
- 70 *Dendroica cornata* (L.) Gr.

- 71 Dendroica virens (Sm.) Bd.
- 76 " caerulea (L.) Bd.
- 83 " pennsylvanica (L.) Bd.
- 84 " maculosa (Sm.) Bd.
- 92 Scirpus aurocapillus (L.) Sw.
- 97 Geothlypis trichas (L.) Cab.
- 100 Icteria virens (L.) Bd.
- 101 Myiodynastes mitratus (Sm.) Aud.
- 104 Sturnella ruticilla (L.) Sw.
- 111 Helminthophaga horreorum Barton.
- 119 Ampelis cedrorum (V.) Bd.
- 122 Vireo olivaceus (L.) V.
- 139 Corvidae purpureus (Sm.) Gr.
- 149 Chrysomitris tristis (L.) Bp.
- 169 Melospiza melodia (Vils.) Bd.
- 178 Spizella socialis (Vils.) Bp.
- 179 " pusilla (Vils.) Bp.
- 182 Zonotrichia albicollis (Sm.) Bp.
- (187) Passer domesticus Linn.
- 168 Melospiza palustris (Vils.) Bd.
- 199 Cyanospiza cyanea (L.) Bd.
- 204 Pipilo erythrophthalmus (L.) V.
- 211 Melospiza cinerea (Sm.) Gr.
- 212 Agelaius phoeniceus (L.) V.
- 215 Icterus spurius (L.) Bp.
- 216 Icterus baltimore (L.) Gaudin.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis nigricans (Sm.) Gr.
- 255 Contopus virens (L.) Cab.
- 258 Empidonax minimus Bd.
- 265 Anthostomus vociferus (Vils.) Bp.
- 271 Chantrea pelagica (L.) Sw.
- 275 Trochilus colubris L.
- 284 Ceryle alcyon (L.) Boie.
- 290 Cecyze erythrophthalmus (L.) (Vils.) Bd.

- 210 Colichonyx oryzivorus (L.) Sw.
- 299 Ovis pubescens L.
- 312 Colaptes auratus (L.) Sw.
- 360 Pandion haliaetus (L.) Gaurgny seen
- 385 Bonasa umbellus (L.) Steph.
- 436 Fringoides macularius L. Gr.
- 457 Ardea virescens Linn.
- Skins No. 698 Dendroica aestiva (Sm.) Bd. 5/20/75
- 699 Dendroica aestiva (Sm.) Bd. 7 5/20/75
- 5 1/4 7 1/4
- 700 Dendroica caerulea (L.) Bd. 5/21/75
- 701 Myiodynastes mitratus (Sm.) Aud. 3. 5/21/75
- 702 " " " 7 5/20/75
- 703 Helminthophaga foregroid (Vils.) Cab. 5/20/75
- 5 3/4 8 3/4 2 10 3/4 1 11 3/4
- 704 Agelaius phoeniceus (L.) V. 5/21/75
- 705 Zonotrichia albicollis (Sm.) Bp. 5/21/75
- 706 Colichonyx oryzivorus (L.) Sw. 5/21/75.
- 7 5/4 12 3 1/4 2 1/4

May 22.

- 1 Turdus migratorius L.
- 3 " mustelinus Sw.
- 6 " ~~fulviventris~~ Steph.
- 9 Minus carolinensis (L.) Gr.
- 10 Helminthophaga rufus (L.) Cab.
- 16 Sialia sialis (L.) Baldeman.
- 49 Troglodytes aedon V.
- 57 Mniotilta varia (L.) V.
- 58 Parula americana (L.) Bp.
- 67 Helminthophaga ruficapilla (Vils.) Bd.
- 76 Dendroica caerulea (L.) Bd.
- 78 " coronata (L.) Sw.
- 83 " pennsylvanica (L.) Bd.
- 84 " maculosa (Sm.) Bd.
- 92 Scirpus aurocapillus (L.) Sw.
- 94 " ludovicianus (V.) Bp.
- 97 Geothlypis trichas (L.) Cab.

- 100 Icteria virens (L.) Bd.
- 101 Myiadictes mitratus (Gm.) Aud.
- 104 Setophaga ruticilla (L.) Sw.
- 107 Tyranga rubra (L.) V.
- 111 Hirundo horreorum Barton.
- 119 Ampelis cedrorum (L.) Bd.
- 122 Vireo olivaceus (L.) V.
- 139 Corpodacus 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 Melospiza ater (Gm.) Gr.
- 212 Agelaius phoeniceus (L.) V.
- 215 Icterus spurius (L.) Bp.
- 216 " baltimore (L.) Dandm.
- 228 Corvus americanus Aud.
- 234 Cyanurus cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Gm.) Gr.
- 255 Contopus virens (L.) Cat.
- 258 Empidonax minimus Bd.
- 265 Anthrostonus vociferus (Wils.) Bp.
- 271 Chaetura pelagica (L.) Steph.
- 275 Trochilus colubus L.
- 285 Ceryle alcyon (L.) Bris.
- 290 Coccyzus erythrophthalmus (Wils.) Bd.
- 299 Picus pubescens L.
- 312 Colaptes auratus (L.) Sw.
- 436 Tringoides macularius (L.) Gr.
- 457 Ardea virescens L.

- S. Hill
707
- 708 ~~698~~ Dendroica caerulescens (L.) Bd. ♂ 5/22/75
 - 708 ~~699~~ " (L.) Bd. ♂ 5/21/75.
 - 709 ~~700~~ Vireo olivaceus (L.) V. ♀ 5/21/75. H. P.
 - 710 Parula americana ♀ 5/21/75
 - 711 " " ♀ 5/21/75.

May 23.

- 1 Tardus migratorius L.
- 3 " auduboni Gm.
- 6 " ~~auduboni~~ ^{gambelii} Steph.
- 9 Minus carolinensis (L.) Gr.
- 10 Harporhynchus rufus (L.) Cat.
- 16 Sialia sialis (L.) Kaldeman.
- 31 Parus atricapillus L.
- 49 Troglodytes aedon V.
- 57 Meniditta varia (L.) V.
- 67 Helminthophaga ruficapilla (Wils.) Bd.
- 70 Dendroica aestiva (Gm.) Bd.
- 78 " coronata (L.) Gr.
- 100 Icteria virens (L.) Bd.
- 104 Setophaga ruticilla (L.) Sw.
- 107 Tyranga rubra (L.) V.
- 111 Hirundo horreorum Barton
- 119 Ampelis cedrorum (L.) Bd.
- 122 Vireo olivaceus (L.) V.
- 139 Corpodacus 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.) Dandm.
- 228 Corvus americanus Aud.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Gm.) Gr.

- 255 *Contopus virens* (L.) Cat.
- 258 *Empidonax minimus* Bd.
- 265 *Anthostomus vociferans* (Vils.) Bp.
- 271 *Chaetura pelasgia* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Boie.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 381 *Zenaidura macroura* (L.) Bp.

May 24

- 1 *Turdus migratorius* L.
- 3 " *mustelinus* Sw.
- 6 " ~~americanus~~ *fuscus* Steph.
- 9 *Mimus carolinensis* (L.) Gr.
- 10 *Harporhynchus rufus* (L.) Cat.
- 16 *Sialia sialis* (L.) Kaldeman
- 69 *Helminthophaga peregrina* (Vils.) Cat.
- 70 *Dendroica aestiva* (Sw.) Bd.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Bp.
- (187) *Passer domesticus* Linn.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Sw.) Bd.
- 211 *Melothrus pecoris* (Sw.) Sw.
- 212 *Dolichonyx oryzivorus* (L.) V.
- 214 *Icterus kalmiani* (L.) Dandini

May 25

- 111 *Hirundo horreorum* Barton
- (187) *Passer domesticus* Linn.
- 212 *Agelaius phoeniceus* (L.) V.
- 271 *Chaetura pelasgia* (L.) Steph.
- 267 *Chordeiles virginianus* (Brid.) Bp.

Seen in New York City.

May 26

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Kaldeman
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Bp.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 210 *Dolichonyx oryzivorus* (L.) Sw.
- 211 *Melothrus ater* (Sw.) Sw.
- 212 *Agelaius phoeniceus* (L.) V.
- 214 *Icterus kalmiani* (L.) Dandini
- 221 *Scolecophagus ferrugineus* (Sw.) Sw.
- 225 *Tuscalus purpureus* (Bart.) Licht.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 309 *Melanerpes erythrocephalus* (L.) Sw.
- 339 *Accipiter cooperi* Bp.
- 436 *Fringoides 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* Sw.
- 16 *Sialia sialis* (L.) Kaldeman
- 9 *Mimus carolinensis* (L.) Gr.
- 70 *Dendroica aestiva* (Sw.) Bd.
- 101 *Myiodynastes mitratus* (Sw.) Aud.
- 107 *Tyrannus ruber* (L.) V.
- 111 *Hirundo horreorum* Barton
- 112 *Tachycineta bicolor* (V.) Cat.
- 117 *Petrochelidon lunifrons* (Say) Cat.
- 115 *Ceryle alcyon* (L.) Boie. - at Niagara
- 119 *Ampelis cedrorum* (L.) Bd.
- 122 *Vireo olivaceus* (L.) V.

- 149 Chrysomitris tristis (L.) Sw.
- 168 Melospiza palustris (Vils.) Bd.
- 169 " melodia (Vils.) Bd.
- 178 Spizella socialis (Vils.) Bp.
- (187) Passer domesticus Linn.
- 199 Cyanospiza cyanea (L.) Bd.
- 210 Dolichonyx oryzivorus (L.) Sw.
- 211 Melothrus ater (Gm.) Gr.
- 212 Agelaius phoeniceus (L.) Sw. V.
- 214 Sturnella magna (L.) Sw.
- 216 Icterus baltimore (L.) Gaudin
- 221 Scolocophagus ferrugineus (Gm.) Sw.
- 225 Quiscalus purpureus (Baird) Licht.
- 299 Circus pubescens L.
- 309 Melanerpes erythrocephalus (L.) V.
- 436 Tringoides macularius (L.) Gr.

Seen at N. Fall and on the way to Clifton Springs.

Map 28.

- 1 Turdus migratorius L.
- 3 " mustelinus Gm.
- 9 Meropus carolinensis (L.) Gr.
- 16 Sialia sialis (L.) Halderman.
- 149 Chrysomitris tristis (L.) Bp.
- 168 Melospiza palustris (Vils.) Bd.
- 161 ~~168~~ Pooecetes gramineus (Gm.) Bd.
- (187) Passer domesticus Linn.
- 199 Cyanospiza cyanea (L.) Bd.
- 210 Dolichonyx oryzivorus (L.) Sw.
- 211 Melothrus ater (Gm.) Gr.
- 212 Agelaius phoeniceus (L.) V.
- 214 Sturnella magna (L.) Sw.
- 216 Icterus baltimore (L.) Gaudin
- 221 Scolocophagus ferrugineus (Gm.) Sw.
- 225 Quiscalus purpureus (Baird) Licht.
- 228 Corvus americanus Aud.

- 234 Cyanurus cristatus (L.) Sw.
- 242 Tyrannus carolinensis (L.) Bd.
- 309 Melanerpes erythrocephalus (L.) V.
- 333 Circus cyaneus (L.) Jacq.

Map 29.

- 1 Turdus migratorius L.
- 3 " mustelinus Gm.
- 9 Meropus carolinensis (L.) Gr.
- 16 Sialia sialis (L.) Halderman.
- 161 Pooecetes gramineus (Gm.) Bd. Clifton Springs
- 168 Melospiza melodia (Vils.) Bd.
- 169 " palustris (Vils.) Bd.
- 178 Spizella socialis (Vils.) Bp.
- (187) Passer domesticus Linn.
- 199 Cyanospiza cyanea (L.) Bd.
- 210 Dolichonyx oryzivorus (L.) Sw.
- 211 Melothrus ater (Gm.) Gr.
- 212 Agelaius phoeniceus (L.) V.
- 214 Sturnella magna (L.) Sw.
- 216 Icterus baltimore (L.) Gaudin.
- 221 Scolocophagus ferrugineus (Gm.) Sw.
- 225 Quiscalus purpureus (Baird) Licht.
- 228 Corvus americanus Aud.
- 242 Tyrannus carolinensis (L.) Bd.
- 252 Sayornis fuscus (Gm.) Bd.
- 265 Amphispiza bilineata (Vils.) Bp.
- 271 Chactura petasgia (L.) Stepi.
- 286 Ceryle alcyon (L.) Boie.
- 111 Hirundo horreorum Baird.
- 112 Tachycineta bicolor (V.) G.
- 114 Ptilohelidon lunifrons (Say) Cat.
- 115 Ceryle riparia (L.) Boie.
- 119 Ampelis cedrorum (V.) Bd.
- 122 Vireo olivaceus (L.) V.
- 436 Tringoides macularius (L.) Gr.
- 457 Ardea virescens L.

- 458 *Myiarcha cinerascens* (L.) Steph var. *naevia* (Bodd) Allen
- 489 *Turdus 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 " ~~*swainsoni*~~ *swainsoni* Cat.
- 9 *Merula carolinensis* (L.) Gr.
- 10 *Carpodacus mexicanus* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman
- 97 *Geothlypis trichas* (L.) Cab.
- 100 *Icteria virens* (L.) Bd.
- 101 *Myiarchus cinerascens* (Gm.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton.
- 119 *Ampelis cedrorum* (V.) Bd.
- 123 *Vireo olivaceus* (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 *Icteria virens* (L.) Gaudin.
- 228 *Corvus americanus* Aud.
- 243 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Coturnix coturnix* (L.) Cab.
- ? 256 *Empidonax acadicus* (Gm.) Bd.
- 258 " *minimus* Baird.
- 265 *Antrostomus vociferans* (Wils.) Bp.
- 271 *Chondestes pelagicus* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Boie
- 292 *Melanerpes formicivorus* (L.) D.

371
290
318

Scops asio (L.) Bp.
I found an Owl's nest containing four young, supposed by the person who showed me the nest, to be about 2 1/2 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

- Skinned
No. 712 *Scops asio* (L.) Bp. ♀ juv 5/30/1875. H.F.
Iris yellow. Bill lead-color 6 11 3/4 2 5/16
-
- 1 *Turdus migratorius* L.
 - 3 " *mustelinus* Gm.
 - 5 " *swainsoni* Cat.
 - 9 *Merula carolinensis* (L.) Gr.
 - 10 *Carpodacus mexicanus* (L.) Cab.
 - 16 *Sialia sialis* (L.) Haldeman.
 - 49 *Troglodytes aedon* V.
 - 51 *Telmatorhynchus palustris* (Wils.) Cab.
 - 57 *Amniotitta varia* (L.) V.
 - 92 *Semurus auropellus* (L.) Sw.
 - 93 " *noveboracensis* (Gm.) Nutt.
 - 97 *Geothlypis trichas* (L.) Cab.
 - 100 *Icteria virens* (L.) Bd.
 - 101 *Myiarchus cinerascens* (Gm.) Aud.
 - 104 *Setophaga ruticilla* (L.) Sw.

- 107 *Pyrranga rubra* (L.) V.
- 111 *Corvinus corax* Barton
- 114 ~~*Tachycineta bicolor*~~ *Petrochelidon lunifrons* (Say) Cab.
- 119 *Ampelis cedrorum* (V.) Bod.
- 122 *Vireo olivaceus* (L.) V.
- 129 " *noveboracensis* (Gm.) Bp.
- 139 *Carpodacus purpureus* (Gm.) Gr.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vill.) Bod.
- 178 *Spizella socialis* (Vill.) Bp.
- 179 " *pusilla* (Vill.) Bp.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* (L.) Bod.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 210 *Dolichonyx oryzivorus* (L.) Sw.
- 211 *Melothrus alpestris* (Gm.) Gr.
- 215 *Icterus spurius* (L.) Bp.
- 216 " *hathor* (L.) Gaudin.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bod.
- 252 *Sayornis fuscus* (Gm.) Bod.
- 255 *Contopus virens* (L.) Cab.
- 256 *Empidonax acadicus* (Gm.) Bod.
- 258 " *minimus* Bod.
- 265 *Ammodramus vociferus* (Vill.) Bp.
- 267 *Chordeiles virginianus* (Bris.) Bp.
- 270 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 290 *Coccyzus erythrophthalmus* (Vill.) Bod. Nest 1 egg.
- 299 *Quercus pubescens* L.
- 333 *Circus hudsonius* (L.) Les. sen.
- 385 *Bonasa umbellus* (L.) Steph.
- 457 *Ardea herodias* L.
- 458 *Nycticorax nycticorax* (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 erythrophthalmus*. They sometimes darted with great swiftness past my head, at the same time making a loud snapping with their bill. I procured the ♀ bird.

Skins. - cured the ♀ bird.
No. 718 *Scops asio* (L.) Bp. ♀ 6/1/75 H.F. Iris yellow
Bill lead-color none 2. 9 1/16 24 1/16 6 1/16 3

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

- Skins
- No. 719 *Scops asio* (L.) Bp. ♂ 6/2/75 Highland Falls. Iris yellow. Bill lead-color 9, 22 1/16, 6 1/16, 2 1/16.
 - 713 *Dolichonyx oryzivorus* ♂ 5/31/75 Putnam Co. N.Y. 7 8/16 11 5/16 3 13/16 2 12/16 Tarsi 15/16 Middle toe & claw 1 1/16
 - 714 *Empidonax hammondi* ♂ 5/31/75 Warrens ad. Put. Co. N.Y. Iris brown 5 1/16 8 13/16 3 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 1/16 1 10/16
 - 720 *Coccyzus erythrophthalmus* (Vill.) Bod. ♀ May 31

June 3.

318 *Scops asio* (L.) Bp.

June 10

Found the following nests with eggs

- 1 *Turdus migratorius* 3 *T. mustelinus* 9 *Minimus carolinensis* 97 *Geothlypis trichas* 14 *Corvinus corax* 122 *Vireo olivaceus* 216 *Icterus hathor* 178 *Spizella socialis* 169 *Melospiza melodia* 258 *Empidonax minimus* 242 *Tyrannus carolinensis*

June 11

- 1 *Turdus migratorius* L.
- 3 " *mustelinus* Gm.
- 9 *Merula carolinensis* (L.) Gr.
- 10 *Geothlypis trichas* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 51 *Telmatorhynchus palustris* (Vill.) Cab.
- 93 *Sciurus noveboracensis* (Gm.) Nutt.
- 100 *Icteria virens* (L.) Bd.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Herimundo horreorum* Barton.
- 119 *Ampelis cedrorum* (V.) Bd.
- 122 *Vireo olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vill.) Bd.
- 178 *Spizella socialis* (Vill.) Bp.
- (187) *Passer domesticus* Linn.
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 211 *Dolichonyx oryzivorus* (L.) Sw.
- 212 *Agelaius phoeniceus* (L.) V.
- 216 *Icterus baltimore* (L.) Gaudin
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Coccyzus virens* (L.) Cab.
- 258 *Empidonax minimus* Bd.
- 265 *Antrostomus vociferus* (Vill.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubus* (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 embryos.

June 13

Saw an adult *Halhaetus leucoccephalus* (L.) Sw.

June 14

Among the birds seen were the *Anas obscura*, *Petrochelidon lunifrons*, *Telmatorhynchus palustris*, *Antrostomus vociferus* and *Ampelis cedrorum*.

June 15

Some of the birds seen were *Sciurus auricapillus*, *Myiarchus cinerascens*, *Geothlypis trichas*, and *Sciurus ~~noveboracensis~~^{rotacilla}* & *Antrostomus vociferus*.

June 16

- 92 *Sciurus auricapillus* (L.) Sw.
- 1 *Turdus migratorius* L.
- 3 " *mustelinus* Gm.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes aedon* V.
- 93 *Sciurus noveboracensis* (Gm.) Nutt.
- 97 *Geothlypis trichas* (L.) Cab.
- 100 *Icteria virens* (L.) Bd.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Tyrannus rubra* (L.) V.
- 111 *Herimundo horreorum* Barton.
- 122 *Vireo olivaceus* (L.) V.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vill.) Bd.
- 178 *Spizella socialis* (Vill.) Bp.
- 179 " *socialis* (Vill.) Bp.
- (187) *Passer domesticus* Linn.

- 199 *Cyanospiza cyanea* (L) Bd.
- 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* (Sw) Bd.
- 255 *Contopus virens* (L) Cat.
- 265 *Antrostomus vociferans* (Wils.) Bp.
- 271 *Chaetura pelagica* (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 *Haliaeetus leuccephalus*, adult.

June 24, 1875:

Saw *H. leuccephalus* (L) Savignus, adult

July 13, 1875.

- Skins
- No. 723 *Vireo olivaceus* (L) V. ♂ 7/12/75 H.F. Maxilla bluish black; mandible and feet lead-color; Iris red. 6 7/16 10 7/16 3 5/16 2 7/16
 - No. 724 *Melospiza melodia* (Wils) Bd. ♂ juv 7/12/75 H.F. Iris, bill, and feet brown.
 - 725 *Sayornis ~~virgata~~ ^{indoreciana}* (L) Nutt. ♂ juv 7/12/75. 6 7/16 10 3 5/16 Bill blackish; legs & feet fleshy; iris brown

- No. 726 *Coccyus pubescens* L. ♂ juv. 7/12/75 H. F. 6 10/16 11 12/16 3 7/16 Iris brown
- 727 *Setophaga ruticilla* (L) Sw. ♂ juv. 7/12/75
- 728 *Myiodytes mitratus* (Sw) Aud. ♀ 7/12/75 5 7/16 8
- 729 *Contopus virens* (L) Cat. ♂ 7/12/75 6 9/16 10 7/16 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 7/16 9 12/16
 - 732 *Helminthophila palustris* (Wils) Cat. ♂ 7/13/75 5 7/16 6 14/16 2 1 7/16 Tarsus 11 14/16 Bill 7/16
- Found nest and 4 eggs of *Melospiza melodia*

July 21, 1875

- Skins
- No. 733 *Ardea virescens* L ♀ July 21/75 H. Falls 17 3/16 26 12/16 7 3/16 Length to end of tail 22 5/16 1830. Iris orange yellow. Tip of bill 2 4 1/2 1/16
 - No. 734 *Pyrrhuloxia rubra* (L) V. ♂ July 21/75 H.F. 778. 7 2/16 11 7/16 3 7/16 2 8/16. Iris brown. Legs and feet lead-color. Bill greenish lead-color.
 - No. 735 *Helminthophila vermicorvus* (Sw) Bp. ♀ July 23/75 Putnam Co. N.Y. 5 4/16 8 10/16. Bill blackish mandible and legs fleshy. Iris brown
 - No. 107 *Helminthophila vermicorvus* (Sw) 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* (Sw) Bd. ♀ July 23/75 Putnam Co. N.Y. 4 11/16 7 11/16 2 5/16 1 14/16 Iris brown
 - No. 139 *Sayornis ~~virgata~~ ^{indoreciana}* (Sw) Nutt. Young.
 - No. 146 *Tachycineta bicolor* (V) Cass. ♂ juv July 28/75 H.F. 5 13/16 12 9/16 4 9/16 2
 - No. 150 *Petrochelidon lunifrons* (Say) Cat. Young July 28/75 Highland Falls N.Y. 5 12/16 12 4 9/16 1 13/16
 - No. 151 *Ampelis cedrorum* (V) Bd. ♂ Iris red-brown July 29/75 Shot on my way across salt marsh

1875
July 30/75

Skins

- 1832. *Ardea herodias* L ♀ July 21/75 H. Falls, N.Y.
- 152 *Myiarchus crinitus* (L.) Cab. ♂ juv. July 30/75 Putnam Co. N.Y.
 8 5/16 12 5/16 3 1/4 3 7/16
 Bill black. Iris brown. Legs and feet greenish-blue.
- 153 *Myiarchus crinitus* ♀ juv. July 30/75 Putnam Co. N.Y.
 8 10/16 12 10/16 3 5/16 3 7/16
 Iris brown. Bill black.
- 178 *Myiarchus crinitus* (L.) Cab. ♀ juv. July 30/75 Putnam Co. N.Y.
 8 7/16 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 5/16
- 734 *Myiarchus crinitus* (L.) Cab. ♀ juv. July 30/75 Putnam Co. N.Y.
 Iris brown 8 14/16 13 2/16 4 3/16 3 11/16
- 735 *Ceryle alcyon* (L.) Bon. ♂ July 30/75 Putnam Co. N.Y.
 Bill from nostril 11 0 1/2 1/16
 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 9/16. 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, 13 3/16, 4, 2 10/16. Tail of 12 feathered
- 738 *Picus pubescens* L ♀ ♂. Maryland, 1875.
 Putnam Co. N.Y.
- 739 *Ampelis cedrorum* (V.) Bd. ♂ juvenile Aug 16, 1875.
 Iris brown 7 1/16, 11 8/16, 3 11/16, 2 9/16.
- 740 *Ampelis cedrorum* (V.) Bd. ♀ juv. Aug 16, 1875
 Iris brown
- 1235 741 *Ampelis cedrorum* (V.) Bd. ♂ juv. Aug 16, 1875.
- 1236 742 *Contopus virens*
 ~~Contopus virens~~ *traillii* (Aud.) Bd. ♂ Aug 30, 1875. Iris brown
 6 5/16, 10 9/16, 3 5/16, 2 9/16.
- 1237 743 *Contopus virens*
 ~~Contopus virens~~ *traillii* (Aud.) Bd. ♂ Aug 30, 1875
 6 5/16, 10 9/16, 3 5/16, 2 9/16. Iris brown
- 1238 744 *Contopus virens*
 ~~Contopus virens~~ *traillii* (Aud.) Bd. ♂ Aug 30, 1875.
- 1239 745 *Contopus virens* (Aud.) Bd. ♂. N. 1875

1875

Pirate 250 1240

- 1241 746 *Geothlypis trichas* (L.) Cab. ♀ - H.F. Aug 16, 1875.
 5, 6 10/16, 2 1/16, 1 1/4.
- 1242 747 *Vireo olivaceus* (L.) V. ♂ H.F. Aug 16, 1875.
- 1243 748 *Pyrranga rubra* (L.) V. ♀ Aug. 30, 1875.
 Iris dark brown 7 4/16, 11 1/4, 3 12/16, 2 10/16.
- 1244 749 *Pyrranga rubra* (L.) V. ♀. Aug. 31, 1875
 Iris dark brown 7 4/16, 11 3/16, 3 1/16, 2 9/16.
- 1245 750 *Icterus baltimore* (L.) Dand. ♂ juv. Aug 31, 75.
 Iris brown 7 5/16, 11 1/4, 3 13/16, 3 1/16.
- 741 *Dendroica pinus* ♀ August 31, 1875.
 Iris brown. Tarsus 1/16. 5 9/16, 9 1/16, 2 13 1/2/16, 2 9/16.
- 742 *Vireo solitarius* (Wils.) V. May 1872. H. Falls N.Y.
- 743 *Pyrranga rubra* (L.) V. ♂ juv. Sept. 1874 H.F.
- 744 *Sialia sialis* (L.) Galdeman ♂ juv. Sept. 1875.
 7, 12 10/16. Iris very dark brown.
- 745 *Pyrranga 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 - tip dusky
 Primaries 10 - 2nd longest - 1st between 5 & 6.
 Each one successively a little shorter, from 2nd.
- 746 *Picus pubescens* L ♂ juvenile. Sep 7, 1875 H.F.
 Length 6 13/16 - Extent 13. Iris dark brown
- 747 *Dendroica virens* (Em.) Bd. ♂ juv. Sep 7, 1875. - H.F.
 Length 5 1/16 - Extent 7 3/16. - 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 8 1/2, 1875. H.F.
 Length 7 8/16 Extent 12 1/16 - Iris dark brown.
- 750 *Contopus borealis* (Sw.) Bd. ♀. Sep 18, 1875. H.F.
 Length 7 9/16 Extent 12 9/16 - Iris dark brown.
- 751 *Pyrranga carolina* (L.) V. ♀. Sep 18, 1875. H.F.
 Length 9 - Extent 14 1/16. Iris dark brown - Legs yellowish green
 Bill greenish yellow
- 752 *Dendroica virens* (Em.) Bd. ♂ juv. Sep 18, 1875 H.F.
 Length 5 1/16 Extent 7 1/16 Iris dark brown

- No. 753 *Dendroica maculosa* ♂. Sep 18. 1875-76. F. 5 2/16 - 7 4/16. Iris dark brown
- 754 *Dendroica striata* (Forst.) Bd. # Sep 17-1875 H.F. 5 1/16, 8 1/16, 2 1/16, 1 1/16, Tarsi 1/16, Bill 7/16. Iris very dark brown Feet yellow.
- 755 *Dendroica striata* (Forster) Bd & Sep 17. 1875-H.F. 5 1/16, 7 1/16, 2 1/16, 2. - Legs & C like above.
- 756 *Dendroica castanea* (Mils.) Bd. & juv. Sep 17. 1875 H.F. Iris dark brown - Bill & feet lead color 5 7/16, 7 1/16, 2 13/16, 2, Tarsi 1/16, Bill 6 1/16
- 757 *Melospiza crinitus* (S.) Cat. & juv. Sep 17. 1875 H.F. Length 8 13/16 Iris brown - Bill and feet nearly black.
- 758 *Ardea virescens* S & Sep 17. 1875 - H.F.
- 759 *Dendroica tigrina* ♂ Sep 20. 1875 - H.F. 5, 8, 2 3/16, 1 5/16. Iris dark brown. Bill black - yellow just at base of mandible. Legs & feet black, except bottom of feet which are yellow. Shot in a Red cedar.
- 760 *Dendroica blackburniae* (Wm.) Bd. ♂ juv. Sept. 20/75 - H.F. 4 3/16, 7 1/16, 2 1/16, 1 1/16. Iris brown - Bill blackish - horn-color at base of mandible. Feet & legs blackish-brown - yellow beneath.
- 761 *Seiurus aurocapillus* (S.) Sw # Sep. 20/75. H.F. 6, 7 3/16, 2 15/16, 2. Legs & feet flesh-color. Bill dusky above - below fleshy
- 762 *Dendroica striata* (Forst.) Bd. # Sept. 20/75. H.F. 5 5/16, 7 3/16, 3, 2 3/16. Iris brown - Mandible horn-color Maxilla black. Legs & feet brownish yellow
- 763 *Helminthophila ruficapilla* (Mils.) Bd. ♂ juv. Sep 20/75 H.F. 4 7/16, 7, 2 3/16, 1 1/16.
- 764 *Ampelis cedrorum* (V.) Bd. ♂ Sept 20/75 H.F. 7 1/16, 11 1/16, 3 1/16, 2 1/16. Iris brown, Bill & feet black
- 765 *Dialia sialis* (S.) Halderman ♂ juv. Sep 20/75-H.F.
- 766 *Columbus torquatus* Bruner & juv. Sep 21/75 Shot by Josh Ward & Cornwall on the Hudson 50 7/16, 54, 13 5/16. Iris pink - Bill blackish

- on top of mandible, ^{villa}residuum greenish, except a dusky line along culmen; and base of mandible, which is tinged with rose-color. Legs & feet greenish anteriorly - posteriorly dusky. Each primary successively shorter than preceding ^{the}
- 767 *Ectopistes migratorius* (S.) Sw. ♂ juv. Sep 21/75 Putnam Co. N.Y. 15 5/16, 24, 7 1/16, 6 1/16. Irides & feet light red Bill black
- 768 *Ectopistes migratorius* (S.) Sw. ♂ Sep 21/75 Putnam Co. N.Y. 16 10/16, 24 4/16, 7 2/16, 8. Irides & feet light red. Bill black
- 769 *Furdus swainsoni* Cab # Sep 23/75. H.F. 6 1/16, 11 3/16, 3 1/16, 2 1/16. Bill black - fleshy, just at base of mandible. Legs & feet light brown - Tarsi 15/16.
- 770 *Pyranga rubra* (S.) V. ♂. Sep 23. 1875-H.F. 7, 11 2/16, 3 12/16, 2 1/16, Tarsi 1/16, Bill 9 12/16. Legs & feet lead color - Bill green-blue - horn-color.
- 771 *Vireo solitarius* (Mils.) V. (♀?) Sept 23/75 H.F. 5 9/16, 9 5/16, 3, 2 3/16, Tarsi 10/16 Bill Middle toe & claw 10/16. Iris brown - Mandible tarsi & toes lead-color, Maxilla black.
- 772 *Parula americana* (S.) Bp # Sep 23/75. H.F. 4 10/16, 7 3/16, 2 1/16, 1 3/16. Legs & feet yellowish brown. Bill black on maxill - mandible yellow
- 773 *Ardea virescens* S. ♀ Sep 23. 1875 H.F.
- 774 *Sphyrapicus socialis* (Mils.) Bp. Sep 23/75-H.F.
- ~~775 *Dendroica striata* (Forst.) Bd. # Sep 23/76-H.F.~~

Cornwall Island Sep 28, '75.

Hudson River New York,
 Here I am at the Island in the list of spirits. Having pitched my tent yesterday, as soon as I have gotten things put to rights about camp, I will be ready to commence operations against the birds.
 The view from camp is splendid and birds are very plenty.

- No 776 *Dendroica striata* (Forst.) Bd. ♂ Sep. 28. 1875
Warner's Id. Hudson River N.Y. 5 5/16, 8 13/16, 2 13/16, 1 15/16.
- 777 *Dendroica striata* (Forst.) Bd. ♀ Sep 28. 1875
Warner's Island 5 5/16, 8 13/16, 2 13/16, 1 15/16.
- 778 *Dendroica striata* (Forst.) Bd. ♀ Sep 28. 1875
Warner's Island 5 5/16, 8 13/16, 2 13/16, 1 15/16.
- 779 *Dendroica coronata* (L.) B. # Sep 28. 1875.
Warner's Id. Bill & feet black 5 5/16, 9 2/16, 2 14/16, 2 1/16.
- 180 *Dendroica virens* (Gmelin) Baird ♀ Sep 28. 1875.
Bill & feet blackish 4 1/2, 7 1/2, 2 5/16, 1 1/4.
Warner's Island
- 181 *Ceryle alcyon* (L.) Boie ♂ Sep 25. 1875
Legs & feet brownish-black - Maxilla black -
Mandible all flesh color 5 5/16, 8 13/16, 2 10/16, 2 1/16.
Tarsi 7/16 Cristobal Harbor Hudson River N.Y.
- 782 *Podilymbus podiceps* (L.) Linn. ♀ Sep 30. 1875
Warner's Id. N.Y. 12 5/16, 33, 7 1/4, (to end of toe) 16 1/4
Legs & feet posteriorly black, anteriorly greenish.
Irides brown.
- 783 *Ceryle alcyon* (L.) Boie ♀ Sep 30. Warner's Id.
13, 21 1/16, 6, 3 5/16.
- 784 *Dendroica virens* (Gmelin) Bd. ♀, 30. Warner's Id.
5 1/16, 8, 2 7/16, 2.
- 185 *Artibeus vociferans* (Virens) Bp. ♀ Sep 30
Warner's Id. 7 8/16, 19, 6, 4 1/16 Iris brown
- 786 *Turdus aliciae* Baird ♀ Oct 9. 1875
Bill black. Legs & feet brownish-black
7 1/16, 12 3/16, 4, 2 13/16.
- 787 *Ceryle alcyon* (L.) Boie ♀ July 21/75 H.F.
- 788 *Dendroica castanea* (Virens) Bd. ♂, Mar. 1872. H.F.
- 789 *Turdus swainsoni* Cab ♂. Oct 6. 1875 H.F.
7 3/16, 12, 3 15/16, 2 10/16, Bill 7 1/2, Tarsi 15/16
Middle toe & claw 15/16. Bill with base of mandible
flesh color, the rest black. Legs & feet flesh color. Iris brown.
- 790 *Turdus aliciae* Baird ♂ Oct 6. 1875. H.F.
7 5/16, 12 7/16, 4 2/16, 2 1/4. Tarsi 1 7/16 Middle toe
& claw 14/16 Bill 7/16. Bill black with

- bae of mandible flesh color. Iris dark brown
Legs & feet ~~flesh~~ anteriorly black, fleshy
posteriorly and also bottom of feet.
- 1233 *Turdus swainsoni* Cab ♂ Oct 6. 1875 H.F.
7 1/4, 12, 3 15/16, 2 10/16
- 791 *Turdus aliciae* Baird ♀ Oct 6. 1875. H.F.
7 5/16, 12 7/16, 4 2/16, 2 14/16.
- 792 *Oedemia fusca* (L.) Sw. par velutina Cass ♂ Oct 7
1875. ~~H.F.~~ 22, 40, 11, 3 Tail of 14 feathers
Iris white; feet orange red. Bill with black,
purple, yellow, and red shading into each other
Iris white. Cornwall on the Hudson (Josh Ward)
- 793 *Turdus aliciae* Baird ♂ Oct 6. 1875. H.F.
7 2/16, 12 3/16, 3 1/4, 2 1/16.
- 794 *Turdus aliciae* Baird ♂ Oct 6. 1875. H.F.
7 12/16, 13, 4 3/16, 3 1/4.
- 795 *Turdus aliciae* Baird ♀ Oct 6. 1875 H.F.
7 7/16, 12 7/16, 3 15/16, 2 14/16
- 796 *Oedemia americana* Sw. ♂ Oct 9. 1875
Cornwall on the Hudson. (Josh Ward) Iris brown
Tail 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
- 797 *Carpodacus purpureus* (L.) Sw. ♀ Oct 9. H.F.
Iris brown 6 9/16, 10 7/16, 3 3/16, 2 4/16.
- 798 *Carpodacus purpureus* (L.) Sw. ♂ juv Oct 9. H.F.
6 2/16, 10 7/16, 3 1/4, 2 1/4
- Saw the first Snow Birds and Ruby-crowned
Kinglets today, October 12. 1875.
- 799 *Dendroica coronata* # Oct 6. H. Fall,
5 1/16, 9 2/16, 2 13/16, 2 9/16.
- 800 *Tulica americana* Linn ♂. Oct 11. 1875 Cornwall
on the Hudson (Josh Ward) Iris brown. Legs & feet
dirty greenish. Bill flesh-color, elevated part

20 3/16, 33 1/16, 8 1/2, 3 1/16

at base red - tip bluish - Length to end toes 20
14 5/16, 26, 7 3/16, 1 15/16.

801 *Oedemia americana* Sw. ♀. Oct 11. 1875
Cornwall on the Hudson (Josh Ward) Iris brown
Bill black. Feet mud color, tinged slightly
with orange. 18 5/16, 32 12/16, 8 12/16, Bill 1 10/16.

802 *Oedemia perspicillata* (L.) Fleming ♀ Oct 11/75
Cornwall on the Hudson (Josh Ward)
Iris brown. Feet muddy orange. Bill
blackish, grained & irregularly puffed. ^{center} horn
Bill 19/16; ^{18 12/16} ^{32 12/16} ^{8 10/16}

803 *Oedemia perspicillata* (L.) Fleming ♀ Oct 11/75
Cornwall on the Hudson (Josh Ward)
18 3/16, 31 14/16, 8 2/16, 3 1/16 Iris brown
Bill marked at base of maxilla and on
mandible with irregular patches of
orange, the rest black. Feet blackish tinged ^{orange}

804 *Ceryle alcyon* (L.) Boie ♂ Oct 13/75. H. F.
13 1/16, 22 3/16, 6 1/16, 3 1/16

805 *Sphyrapicus varius* (L.) Pd. ♂ juv Oct 13 H. F.
8 10/16, 15 1/16, 4 1/16, 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 ^{3. 21 12/16} ^{30, 8 5/16, 7 12/16}

807 *Icthyophaga ferruginea* (Sw.) Sw ♂
Concord N.Y. ^{11/16} ²⁴ ^{6 5/16} ^{3 2/16} Oct 24. 1875
Bill & feet black. Iris yellow.

808 *Merops cucullatus* L. ♂ juv. Nov. 6. 1875 Put. Co. N.Y.
18 5/16, 26 3/16, 7 1/16, 3 13/16. Iris brownish-yellow.

809 *Scops asio* (L.) Bp. ♀. Nov. 6. 1875. H. F. N.Y.
24. 7 3/16, 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* (Sw.) Gt. ♂ Nov 1. 75
H. Falls. N.Y.

812 *Certhia americana familiaris* L. ♀. H. Falls N.Y.
Nov 10. 1875.

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

814 *Chrysomitris tristis* (L.) Bp. ♂. Nov. 25. 1875. H. F.
5, 8 14/16, 2 12/16, 2.

815 *Nyctea nyctea* (Gaud.) Gt. ♂. 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 3/16, 58 5/16, 14 12/16, 2 9/16.

816 *Tringa alpina* L., var ^{Cullin} *Americana* ♂ Dec 1. 1875. South
Side, Long Island. N.Y. Shot by Wm. Birch
8 13/16, 15 8/16, 4 14/16, 2 5/16.

817 ~~*Chondestes virginianus*~~ ^{*Squatarola helvetica* (L.) Cuv.} (Borch.) ♂. Dec 1. 1875.
12 3/16, 24 11/16, 7 1/16, 2 12/16. S. Side L. Island (W. Birch)

818 *Spizella carolinensis* L. ♂. Dec. 1. 1875.
South Side L. Island. Wm. Birch
11 1/16, 21 2/16, 6 1/16, 2 8/16.

819 *Bucephala clangula* (L.) Gt. ♀. Dec. 8. 1875. Concord.
Foot: Hudson Riv. N.Y. Iris yellowish. Bill blackish. Feet
muddy yellow- with black. Tail 16 feathers
17 3/4, 29, 7 13/16, 3. Stomach preserved.

820 *Chrysomitris tristis* (L.) Bp. ♂ December 9. 1875. H. Falls
5 1/16, 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 *Collurio borealis* (V.) Bd & Ft. Montgumery NY
Dec 11. Iris red-brown, Bill blk - base horn-color.
Feet blk. 4th primary longest.
10, 14, 4 8/16, 4 7/16, Tarsit. Middle toe & claw 8 1/16
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 1/16.
- 826. *Certhia familiaris* L. ♀ Dec. 11. Dono Id. N.Y.
5 13/16, 8 1/16, 2 7/16, 2 12/16. Bill 7/100. Tarsi 5 2/100.
- 827. *Certhia familiaris* (L.) ♂ Dec 7. 1875 H.F.
5 12/16, 8, 2 9/16, 2 10/16.
- 828 *Spizella monticola* ♂ Dec. 8. 1875 H.F.
6 1/16, 9 10/16, 3 1/16, 2 13/16.
- 829 *Anothura hyemalis* ♂ Dec. 7. 1875 H.F.
4, 6 3/16, 1 7/16, 1 7/16.

Measurements

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

Myctale acadica (Gm) Bp. Nov. 4. ¹⁸⁷⁴ N. Jersey.
17 5/16, 19 3/16, 5 7/16, 3. Iris yellow.

~~No. 833. *Scops asio* (L.) Bp. ♀. Dec 8. 1875
(Mounted) Highland Falls N.Y. 9 1/16, 24, 6 1/16, 3.~~

No. 830. *Spizella monticola* ♂ 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 1/2 1/16.

831 *Chrysomitris tristis* (L.) Bp. Dec. 17. W. Point
4 13/16, 8 10/16, 2 12 1/2 1/16, 1 14/16.

832 *C. tristis* (L.) Bp. Dec. 17. West Point.
4 13/16, 8 10/16, 2 12 1/2 1/16, 1 14/16.

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

834 *Regulus satrapa* Licht. ♀. Dec 17/75. W. Point.
4, 6 13/16, 2 3/16, 1 12 1/2 1/16.

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

836. *Ortyx virginianus* (L.) Bp. ♀ Dec 21. 1875.
Putnam Co. N. York.
10 2/16, 15 9/16, 4 5/16, 2 10/16.

- No. 837. *Carpodacus purpureus* (Gm) ♂. Ft. Mont-
gomery. N.Y. Dec. 22. 1875.
6 7/16, 10 9/16, 3 3/16, 2 5/16.
- 839 *Regulus satrapa* Licht. ♀. Dec. 21. 1875. H.F.
4 4 1/2, 6 13/16, 2 3 1/2 1/16, 1 12 1/2 1/16.
- 840 *Regulus satrapa* Licht. ♀ Dec. 21. 1875. H.F.
4 2 1/16, 6 9 1/2 1/16, 2 2/16, 1 10/16.

Measurements

No. 1337 *Ortyx virginianus* (L.) Bp. ♂. Dec 21. 1875
Putnam Co N.Y. 11, 15 12 1/2 1/16, 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 5/16, 7 12 1/2 1/16, 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 2 5/100

Middle toe & claw 1 25 1/100. 10 9/16, 16 3/16, 5 2/16, 4 8/16.

No. 839. *Pipicola enucleator* ♂ juv. Jan 12. 1876 Ft.
Montgomery N.Y. 8 13/100, 12 75/100, 4 9/16, 3 10/16, 1 14/16, 9/16.

842 *Pipicola enucleator* ♂ juv. Jan 12. 1876.
Ft. Montgomery N.Y. 8 4/16, 13 10/16, 4 8/16, 3 9/16, 1 14/16, 9/16.

843 *Pipicola enucleator* ♀. Jan 12. 1876. Ft. Mont-
gomery N.Y. 8 5/16, 13 9/16, 4 11/16, 3 9/16,

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 4/16. Iris brown.

847 *Chrysomitris tristis* ♂. Jan 11. 1876 H. F.
5 1/16, 8 10/16, 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 1/2, 2 1/4, 2 3/16. Tarsi 9/16, Bill 9/16.
- 849 *Sitta carolinensis* ♂ Jan 15. 1876. H. F.
6 3/16, 11 3/16, 3 5/16, 2.
- 850 *Junco hyemalis* ♂ Jan 17. 1876. Rockland Co. N.Y.
6 4/16, 9 1/16, 3 1/16, 2 1/16. Tarsi 2 3/32 Mid. toe & its claw 2 3/32
Legs & feet dark brown. Bill flesh-color, mandible tipped black.
- 851 *Parus atricapillus* ♂ Jan 12. 1876. West Point N.Y.
5, 7 13/16, 2 7/16, 2 1/4 Tarsi 10/16 Bill 4/16.
- 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 cedrorum* ♀ Jan 15. 1876. H. F.
7, 11 10/16, 3 2/16, 2 1/16. Iris red brown.
- 854 *Sitta carolinensis* ♀ Jan 15. 1876. H. F.
6, 11 2/16, 3 5/16, 1 15/16. Iris very dark
- 855 *Ampelis cedrorum* ♀ Jan 15. 1876. H. F.
7, 11 12/16, 3 2/16, 2 4/16. Iris red brown.
- 856 *Ampelis cedrorum* ♀ Jan 18. 1876. H. F.
7, 11 3/16, 3 2/16, 2 3/16. Iris red-brown
- 857 *Parus atricapillus* ♀ Jan 17. 1876 H. F.
5 2/16, 8, 2 1/16, 2 8/16.
- 858 *Spizella monticola* ♀ Jan 12. 1876. H. F.
6 2/16, 9 1/16, 3 2/16, 2 12/16 Tarsi 3/16, Bill 7/16
- 859 *Ampelis cedrorum* ♂ Jan 15. 1876. H. F.
7, 11 4/16, 3 1/16, 2 1/16. Iris red-brown
- 860 *Junco hyemalis* ♂ Jan. 12. 1876 West Point.
6 2/16, 9 1/16, 3 2/16, 2 13/16. Tarsi 1 1/16. Bill 7/16
- 861 *Melospiza melodia* ♂ Jan 21. 1876 Jona Id. H. R.
6 3/16, 8 5/16, 2 5/16, 2 1/16, Tarsi 1 3/16. Iris brown
Legs & feet light brown. Bill, with maxilla blackish
mandible horn-color, tipped black
- 862 *Spizella monticola* ♂ Jan 21. 1876 Jona
Id. Hudson River. 6 4/16, 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, reddish dusky.

- No. 863 *Parus atricapillus* ♂ Jan 12. 1876. Ft. Montgomery
N.Y. 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 1/4, 2 9/16, 1 4/16 Tarsi 10/16 Bill 5/16.
 - 865 *Regulus satrapa* ♀ Jan 12. 1876 West Point.
3 15/16, 6 10/16, 2 4/16, 1 1/16. Tarsi 11/16, Bill 5/16.
- February 13. 1876
- To day I saw the first Blue Bird I have
seen this winter
- Feb. 14/76
- Found a Scarlet Salamander in the
path (*Salamandra rubra*?), but
lost it in the woods. Found
during a rain storm.
- No. 866 *Picus pubescens* L. ♂ Feb 8. 1876
St. Montgomery N. Y. 7, 12 2/16, 3 10/16, 2 9/16.
Bill lead-color Iris brown.
 - 867 *Junco hyemalis* (L.) Sel. ♂ Jona Id. H. R.
6 5/16, 10, 3 11/16, 2 1/16. Bill ^{flesh color, tipped blackish} and feet
brown Iris dark-brown Feb 8. 1876
 - 868 *Junco hyemalis* (L.) Sel. ♂ Jona Id.
Hudson River N. York 6 9/16, 9 1/16, 2 13/16, 2 1/16
Iris dark brown. Bill flesh-color, tipped
with dusky. Legs and feet brown Feb 8.
 - 869 *Junco hyemalis* (L.) Sel. ♀? Jona Island
Hudson River N. Y. Feb 8. 1876
6 3/16, 10 2/16, 3 11/16, 2 10/16 Iris brown
Bill flesh-color, tipped dusky. Legs brown
 - 870 *Junco hyemalis* (L.) Sel. ♂ Feb 8. 1876
Jona Id. Hudson River, N. York. 6 9/16, 9 13/16, 3, 2 1/16.
 - 871 *Junco hyemalis* (L.) Sel. ♂ Feb 8. 1876
Fort Montgomery N. Y. 6 8/16, 10 1/16, 3 2/16, 2 1/16
 - 872 *Amortura hyemalis* (Mils) C. Feb 8. 76
Jona 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 Bird and Song Sparrow are very abundant.

- No 873 Certhia familiaris L. ♀ Feb 22. 1876. Orange Co. N.Y. $5\frac{13}{16}$, $8\frac{1}{16}$, $2\frac{10}{16}$, $2\frac{13}{16}$, Iris and feet brown. Bill blackish above, flesh-color below.
- 874 Certhia familiaris L. ♀ Feb. 22. 1876 Orange Co. N.Y. $5\frac{13}{16}$, $8\frac{1}{16}$, $2\frac{9}{16}$, $2\frac{13}{16}$; rest as above.
- 875 Picus pubescens L. ♀ Feb. 22. 1876 Orange Co. N.Y. $7\frac{3}{16}$, $12\frac{5}{16}$, $3\frac{13}{16}$, $2\frac{10}{16}$.
- 876 Bonasa umbellus (L.) Steph. ♀ Feb. 22. 1876 St Montgomerie N. York
- 877 Picus pubescens L. ♂. March 2. 1876 H. H. Bill bluish, darker above. Iris brown $7\frac{1}{16}$, $12\frac{3}{16}$, $3\frac{1}{16}$, $2\frac{9}{16}$.
- 878 Corvus americanus Aud ♀ March 4. 1876 Putnam Co. N. Y. Mounted. Iris brown 19 , $37\frac{5}{16}$, $12\frac{7}{16}$, $7\frac{5}{16}$.
- 879 Picus pubescens L ♀ March 4. 1876 Putnam Co. N.Y. ~~Male~~ Iris brown. Bill greenish-black above, lighter below. Feet greenish $6\frac{1}{16}$, $11\frac{15}{16}$, $3\frac{10\frac{1}{2}}{16}$, $2\frac{5}{16}$.
- 880 Picus pubescens L. ♂ March 4. 1876 Putnam Co. N.Y. Iris reddish-brown. Bill lead-color. Feet greenish $6\frac{15}{16}$, $11\frac{1}{16}$, $3\frac{8\frac{1}{2}}{16}$, $2\frac{5}{16}$.
- 881 Bonasa umbellus (L.) Steph ♂ March 4. 1876 Putnam Co N.Y. Iris brown. Feet lead-color. Bill brownish-black above, brown-color below. $18\frac{5}{16}$, $23\frac{9}{16}$, 7 , $6\frac{1}{16}$.

March 7.

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

1876

- 1 Turdus migratorius L
- 16 Sialia sialis (L.) Haldeman
- 27 Regulus satrapa Licht.
- 31 Parus atricapillus L
- 149 Chrysomitris tristis (L.) Gp.
- 188 Melospiza melodia (Mills) Bd.
- 174 Junco hyemalis (L.) Sel.
- 177 Spizella monticola (Sw.) Bd.
- (187) Passer domesticus Lin
- 188 Passerella iliaca (Merrem) Sw
- 228 Corvus americanus
- 299 Picus pubescens L
- Sphyrapicus varius (L.) Bd.
- Calliaetus leucoccephalus (L.) Savignus
- Buteo lineatus
- No. 882 Sphyrapicus varius (L.) Bd. ♀ March 7. 1876 H. H. $8\frac{1}{16}$, $15\frac{5}{16}$, $4\frac{13}{16}$, $3\frac{1}{16}$ Iris brown. Bill bluish-black. Feet greenish.
- 883 Sialia sialis (L.) Haldeman. ♂ March 6. 1876 H. H. Bill & feet blackish. Iris brown $7\frac{1}{16}$, $12\frac{5}{16}$, $3\frac{13}{16}$, $2\frac{9}{16}$.
- 884 Sialia sialis (L.) Haldeman ♂ March 6. 1876 7 , $12\frac{9}{16}$, $3\frac{13}{16}$, $2\frac{9}{16}$
- 885 Sialia sialis (L.) Haldeman ♀ March 6. 1876 7 , $12\frac{5}{16}$, $3\frac{1}{16}$, $2\frac{9}{16}$.
- 886 Fox Sparrow. (Passerella iliaca (Merrem) Sw.) ♀ Putnam Co N. Y. $7\frac{1}{16}$, 11 , $3\frac{6\frac{1}{2}}{16}$, $2\frac{1}{16}$ Iris brown; feet flesh-color. Bill brown-black above, yellow below. (March 7. 1876)
- 887 Melospiza melodia (Mills) Bd. ♂ March 5. 1876 H. H. $6\frac{1}{16}$, $8\frac{1}{16}$, $2\frac{10}{16}$, $2\frac{13}{16}$.
- 888 Marica americana (Sw.) Steph ♂ Hudson River. H. H. N. York. March 12. 1876 $20\frac{3}{16}$, $34\frac{5}{16}$, $9\frac{11}{16}$, $4\frac{1}{16}$. Bill above 1.38; along edge of mandible 1.60; Tarsus 1.45 Hind toe & claw $\frac{3}{100}$, Middle toe & claw 2. Iris hazel. Bill bright blue, black tip & all below

I've light bluish-grey, neck darker, claws blackish. Tail of 14 feathers. Stomach filled with fern gravel and fine green vegetable matter

No. 889 Sialia sialis (L.) Haldeman ♂
March 12. H.F. 7 3/16, 12 5/16, 4, 2 10/16

890 Chrysomitris tristis (L.) Sp. H. S.
March 10/76. 5 1/16, 8 1/16, 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 Harrison's Station on the H. R. R.R. I counted as many as sixteen at one time

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

March 28, 1876.

Arrivals The Choccos made their first appearance here today. The Ruby-crowns have been here two weeks.

I saw the first Osprey on the 25.

No. 891 Ampelis cedrorum (L.) Bd. ♂ March 23/76 H.F.
7, 11 3/16, 3 1/16, 2 3/16 Iris red-brown. Bill & feet black.

892 Ampelis cedrorum (L.) Bd. ♀ March 23/76 H.F.
7, 12, 3 13/16, 2 7/16

893 Ampelis cedrorum (L.) Bd. ♀ March 23/76 H.F.
6 1/16, 11 3/16, 3 1/16, 2 1/16

894 Ampelis cedrorum (L.) Bd. ♂ March 23/76 H.F.
7 1/16, 12, 3 1/16, 2 3/16

895 Junco hyemalis (L.) Sch. ♂ March 24, 1876 H.F.
6 1/16, 9 1/16, 3, 2 1/16. Iris brown. Bill flesh color. Legs & feet dark brown

No. 896. Melospiza melodia (Ohr.) Bd. ♀ March 24/76 H.F.
6 7/16, 8 1/16, 2 7/16, 2 1/16 Iris brown.

897 Passerella iliaca (Merrem.) Sw. ♂. March 24/76
H. S. 7 5/16, 11 5/16, 3 5/16, 3. Iris & legs brown.

898 Passerella iliaca (Merrem.) Sw. ♀ March 24/76
H. S. 7, 10 1/16, 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 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 Flicker, have been abundant since I returned from New York on the 13th inst., 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"

"Dove" 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 Hawk,
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 Smittids are still here

I have seen no Tree Sparrows for a week.

A male yellow-bird that I shot this morning had nearly ^m 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 (L.) Es.
- 149 Chrysomitris tristis (L.) Pp.
- 161 Podiceps grammurus (Gm.) Bd.
- 168 Melospiza palustris (Vils.) Bd.
- 169 " melodia (Vils.) Bd.
- 174 Junco hyemalis (L.) Del.
- 177 Spizella monticola (Gm.) Bd.
- 178 " socialis (Vils.) Bp.
- 179 " pusilla (Vils.) Bp.
- (187) Passer domesticus Linn.
- 211 Motacilla alba (L.) Gm.
- 221 Scolecophagus ferrugineus (Gm.) Lur.
- 228 Corvus americanus Aud.
- 234 Cyanocitta cristata (L.) Lur.

- 252 Lagopus fuscus (Gm.) Bd.
- 299 Phainopepla nitens L.
- 312 Coturnix coturnix (L.) Gm.

- 385 Bonasa umbellus (L.) Steph.
- 449 Ardea herodias L.

April 22.

The White-throated Sparrow was the only new arrival.

The gardener 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 them but a cloud of feathers was all they left behind. They were Bob-whites (Ootys virginianus) They were the first I have ever seen alive.

I have seen several Pin-crooping Nuthatches on the lawn in front of the house. They associated with the Yellow Red-poll Nuthatches, and seemed in habits quite as terrestrial. They had no note of any kind and did not jerk their tails like as the Red-poll Nuthatches constantly do. Their movements were very graceful. I shot a fine male specimen. I shot a Large-billed water Thrush in full song.

I heard a sweet little song from the Starling. The Ruby-crowned Kinglets were plenty, and filled the woods with their shrill.

List of Birds seen April 22, 1876

- 1 *Turdus migratorius* L.
- 4 " *gallasi* Cat.
- 16 *Sialia sialis* (L.) Haldeman.
- 21 *Regulus calendula* (L.) Licht.
- 42 *Certhia familiaris* L.
- 78 *Dendroica coronata* (L.) Gr.
- 90 " *palmarum* (Gm.) Bd.
- 91 " *pinus* (Vils.) Bd.
- 94 *Seiurus ludovicianus* (W.) Pp.
- 112 *Tachycineta bicolor* (W.) C.
- 139 *Cardinalis purpureus* (Gm.) Gr.
- 149 *Chrysomitris tristis* (L.) Pp.
- 161 *Horreus gramineus* (Gm.) Bd.
- 169 *Melospiza melodia* (Vils.) Bd.
- 174 *Junco hyemalis* (L.) Sc.
- 177 *Spizella monticola* (Gm.) Bd.
- 178 " *socialis* (Vils.) Pp.
- 179 " *pusilla* (Vils.) Pp.
- 182 *Zonotrichia albicollis* (Gm.) Pp.
- (87) *Passer domesticus* Lin
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 299 *Pinus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw
- 317 *Buteo virginianus* (Gm.) Pp ??
- 339 *Accipiter cooperi* Pp.
- 385 *Bonasa umbellus* (L.) Step.
- 389 *Ortyx virginianus* (L.) Pp.

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

- No. 899 *Turdus migratorius* L. ♂. March 28, 1876
H. T. 9¹⁵/₁₆, 16⁹/₁₆, 5⁴/₁₆, 3¹⁵/₁₆.
Iris brown. Bill ~~at~~ yellow all yellow
Feet dark brown
- 900 *Cyanurus cristatus* L. ♂. March 28, 1876.
H. T. 11²/₁₆, 16²/₁₆, 5; 5. Iris hazel.
- 901 *Passerella iliaca* (Merrim.) Sw. ♂
March 27, 1876. H. T. 7¹¹/₁₆, 11⁷/₁₆, 3¹¹/₁₆, 3³/₁₆.
- 902 *Junco hyemalis* (L.) Sc. ♂. March 28/76
H. T. 6²/₁₆, 9⁸/₁₆, 2¹⁴/₁₆, 2⁷/₁₆.
- 903 *Junco hyemalis* (L.) Sc. ♂. March 28/76.
H. T. 6⁹/₁₆, 10, 3²/₁₆, 2¹³/₁₆.
- 904. *Ampelis cedrorum* (W.) C. ♀ March
28, 1876. H. T. Falls.
- 905 *Chrysomitris tristis* (L.) Pp. ♂. March 31,
H. T. 5⁶/₁₆, 9¹¹/₁₆, 2¹³/₁₆, 2.
passing through spring moult.
- 906. *Melospiza melodia* (Vils.) Bd. ♂. March 31,
6⁷/₁₆, 8¹⁴/₁₆, 2¹⁰/₁₆, 2²/₁₆. Iris brown
Legs and feet dark brown. Bill blackish.
horn-color at base of mandible.
- 907. ♀ *Ampelis cedrorum* (W.) C. ♂. March 31,
7, 11²/₁₆, 3¹²/₁₆, 2⁸/₁₆.
- 908 *Scelophaqus ferruginus* (Gm.) Sw ♀
April 15/76. H. T. Irides yellow.
9²/₁₆, 13²/₁₆, 4³/₁₆, 3⁷/₁₆. Feet brown-black.
- 909 *Scelophaqus ferruginus* (Gm.) Sw. ♀,
Irides yellow. Bill black. Legs brown-black,
April 15/76. 9³/₁₆, 14, 4⁵/₁₆, 3⁷/₁₆.
- 900 *Passer domesticus* Lin. ♂. H. T.
April 11. Iris brown. Bill black. Legs brown
6⁵/₁₆, 9⁹/₁₆, 2¹⁴/₁₆, 2⁵/₁₆.
- 911 *Dendroica palmarum* (Gm.) Bd. ♂
April 15. 5⁷/₁₆, 8⁹/₁₆, 2⁷/₁₆, 2³/₁₆.
Iris brown. Legs dark brown. Bill dusky
horn-color at base of mandible &
along culmen.

Measurements of *Dendroica pinus*

♀. April 15/76. H. St. 5 7/16, 8 1/16, 2 1/16, 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 *Motothorus flaviventris* (Am.) Sw. ♂ Apr. 17.
Bill and feet black. Iris brown.

7 1/16, 13 3/16, 4 7/16, 3 1/16.

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

914 *Spizella pusilla* (Mills) Bp. ♀. Apr 17.
H. St. 5 7/16, 8, 2 5/16, 2 5/16.

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

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

917 *Melospiza palustris* (Mills) Bd. ♂
April 21/76 H. St. 5 1/16, 7 15/16, 2 9/16, 2 4/16
Iris brown. Legs & feet flesh-color. Bill,
blue-black, horn-color at base of mandible

918 *Corvix grammurus* (Am.) Bd. ♀ Apr. 21
6 3/16, 10 4/16, 3 1/16, 2 9/16. Iris brown. Legs &
feet light brown. Bill with Max. black. Mand.
flesh-color.

919 *Sialia sialis* (L.) Haldeman ♂ Apr 21.
7, 12 5/16, 3 1/16, 2 1/16. Iris brown

920 *Sayornis fuscus* (Am.) Bd. ♀. Apr. 21
6 1/16, 10 6/16, 3 1/16, 2 12/16. Iris brown

921 *Certhia familiaris* L. ♀ Apr. 21.
5 12/16, 8 3/16, 2 1/16, 2 12/16

922 *Regulus calendula* (L.) Licht. ♂ Apr 21
4 4/16, 7 2/16, 2 9/16, 1 3/16. Bill and
legs black. feet yellow inside

No. 923. *Turdus pallasi* Cab. ♀ Apr. 21 H. St.
7, 11 1/16, 3 1/16, 2 13/16. Iris brown
Legs & feet light brown. Bill black, flesh-
color at base of mandible

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

925 *Corvix grammurus* (Am.) Bd. ♀ Apr 21
H. St. 6 3/16, 10 2/16, 3 1/16, 2 9/16.

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

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

928 " " " " ♂ Apr 21

929 " " " " ♂ Apr. 21

930 *Dendroica pinus* (Mills) 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. St.
Iris brown. Bill blue-black. Legs & feet brown
5 10/16, 8 10/16, 2 1/16, 2 4/16.

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

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

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

935 *Dendroica palmarum* (Am.) Bd ♀ Apr 22.
~~5 12/16, 9 4/16, 2 14/16, 2 4/16~~ 5 5/16, 8 5/16, 2 9/16, 2 1/16.

936 *Sciurus ludovicianus* (V.) Bp. ♂ Apr 22.
6 4/16, 10 4/16, 3 4/16, 2 3/16. Iris brown
Legs, feet & base of mandible flesh-color
the remainder 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. St.
7 1/16, 11 3/16, 3 8/16, 2 1/16. Iris brown
Legs & feet brown. Bill fleshy at base

- No 939 *Turdus pallasi* Cab. ♀ Apr 22.
7³/₁₆, 11⁴/₁₆, 3⁷/₁₆, 2¹⁴/₁₆.
- 940 *Certhia familiaris* L. Apr. 22.
5⁴/₁₆, 7¹⁴/₁₆, 2⁴/₁₆, 2⁵/₁₆. Iris brown
Legs brown. Bill blue black, flesh-color below.
- 941 *Spizella socialis* (Wils.) Bp ♂ Apr 22.
3⁴/₁₆, 8¹⁴/₁₆, 2¹²/₁₆, 2⁴/₁₆. Iris brown
Bill black. Feet brown
- 942 *Sayornis fuscus* (Am.) Bd ♂ Apr 22.
7¹/₁₆, 11²/₁₆, 3⁷/₁₆, 3.

April 24.

List of Birds Sec

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Haldeman
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 74 *Dendroica coronata* (L.) Gr.
- 94 *Seiurus ludovicianus* (W.) Bp.
- 139 *Carpodacus purpureus* (Am.) G.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 174 *Junco hyemalis* (L.) Sc.
- 178 *Spizella socialis* (Wils.) Bp.
- 179 " *pusilla* (Wils.) Bp.
- (187) *Casser domesticus* Linn.
- 211 *Neotrochus pecoris* (Am.) Sw.
- 225 *Lurocalus purpureus* (Bartr.) Licht.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Sayornis fuscus* (Am.) 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 *Certhia familiaris* L.
 - 94 *Seiurus ludovicianus* (W.) Bp.
 - 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 " *pusilla* (Wils.) Bp.
 - 182 *Zonotrichia albicollis* (Am.) Bp.
 - (187) *Casser domesticus* Linn.
 - 212 *Agelaius phoeniceus* (L.) V.
 - 228 *Corvus americanus* Aud.
 - 234 *Cyanurus cristatus* (L.) Sw.
 - 204 *Pipilo erythrophthalmus* (L.) V.
 - 252 *Sayornis fuscus* (Am.) Bd.
 - 286 *Ceryle alcyon* (L.) Boie.
 - 299 *Picus pubescens* L.
 - 312 *Colaptes auratus* (L.) Sw.
 - 338 *Accipiter fuscus* (Am.) Bp.
 - 371 *Zenaidura carolinensis* (L.) Bp.
 - 389 *Oxyechus virginianus* (L.) Bp.
 - 489 *Abas obscura* Gr.
-
- No 943. *Regulus calendula* (L.) Licht. ♂. April 24/76
4⁸/₁₆, 7¹/₁₆, 2⁴/₁₆, 1¹²/₁₆.
 - 944 *Junco hyemalis* (L.) Sc. ♀ April 24/76
6, 9⁴/₁₆, 2¹⁵/₁₆, 2¹⁰/₁₆. Iris brown. Legs &
feet light brown. Bill flesh color.
 - 945 *Dendroica coronata* (L.) Gr. ♂ April 24/76
5¹⁰/₁₆, 9, 2¹⁴/₁₆, 2⁵/₁₆. Iris brown. Bill & feet black.
 - 946. *Neotrochus pecoris* (Am.) Sw. ♂ April 24/76
7¹⁴/₁₆, 13⁶/₁₆, 4⁵/₁₆, 3¹/₁₆, Iris hazel. 1/26

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- No. 947 *Passer domesticus* Linn. ♂ Apr 24.
6 1/4, 7 1/4, 3 1/4, 2 5/16, Iris brown
Bill black, Legs brown.
- No. 948 *Sayornis fuscata* (Am.) Bd. ♀ Apr 24
6 1/4, 10 1/4, 3 1/4, 2 1 3/16
- 949 *Sciurus ludovicianus* (V.) Bp. ♂
April 24/76. Ho. ♂: 6 3/4, 10 5/16, 3 1/4, 2.
- 950 *Sciurus ludovicianus* (V.) Bp. ♂.
April 24, 6 3/4, 10 5/16, 3 1/4, 2.
- 951 *Regulus satrapa* Licht ♂ Apr 26
Length 4 3/16. Bill black. Iris brown.
Legs & feet yellowish - brown
- 952 *Regulus calendula* (L.) Licht ♂
April 26. 4 8/16, 7 1/4, 2 5/16, 1 1 3/16.
Bill & feet brownish-black; Iris brown
- 953 *Regulus calendula* (L.) Licht. ♂.
4 9/16, 7 3/16, 2 1/4, 1 1 2/16 Apr. 26
- 954 *Regulus calendula* (L.) Licht. ♂ April 26.
4 8/16, 7 1/4, 2 5/16, 1 1 2/16.

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 just completed.

List of Birds seen

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Haldeman
- 21 *Regulus calendula* (L.) Licht.
- 22 " *Satrapa* Licht.
- 78 *Dendroica coronata* (L.) Gr.
- 90 " *palmarum* (Am.) Bd.
- 94 *Sciurus ludovicianus* (V.) Bp.
- 169 *Melospiza melodia* (V.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 178 *Spizella socialis* (V.) Bp.
- 179 " *pusilla* (V.) Bp.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 299 *Picus pubescens* L.
- 355 *Buteo pennsylvanicus* (V.) Bp.
- 360 *Fardion haliaetus* (L.) Savigney.
- 389 *Ortyx virginianus* (L.) Bp.

April 27, 1876.

- 1 *Turdus migratorius* L.
- 16 *Sialia sialis* (L.) Haldeman
- 21 *Regulus calendula* (L.) Licht.
- 94 *Sciurus ludovicianus* (V.) Bp.
- 139 *Carpodacus purpureus* (Am.) Gr.
- 149 *Chrysomitris tristis* (L.) Bp.
- 168 *Melospiza palustris* (V.) Bd.
- 169 " *melodia* (V.) Bd.
- 174 *Junco hyemalis* (L.) Sel.
- 178 *Spizella socialis* (V.) Bp.
- 179 " *pusilla* (V.) Bp.
- (187) *Passer domesticus* Linn.
- 211 *Mototurus proreus* (Am.) Sw.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Sayornis fuscus* (Am.) Bd.
- 281 *Ceryle alcyon* (L.) Boie
- 299 *Picus pubescens* L.

- 312 Colaptes auratus (L.) Sw.
- 371 Zenaidura carolinensis (L.) Bp.
- 385 Bonasa umbellus (L.) Stept.
- 389 Ortys virginianus (L.) Bp.
- 547 Larus argentatus 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 having nearly rolled out. The eggs were fresh. The nest was situated on Consort Id. 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.) Linn.
- 42 Certhia familiaris L.
- 78 Dendroica coronata (L.) G.
- 90 " palmarum (Am.) Bd.
- 94 Sturnus ludovicianus (V.) Bp.
- 139 Carpodacus purpureus (Am.) G.
- 149 Ceryle alcyon (L.) Bp.
- 168 Melospiza palustris (Vils.) Bd.
- 169 " melodia (Vils.) Bd.
- 174 Junco hyemalis (L.) Sch.
- 178 Spizella socialis (Vils.) G.
- 179 " pusilla (Vils.) G.
- (187) Passer domesticus Linn.
- 204 Pipilo erythrophthalmus (L.) V.

- 211 Motothrus pectoris (Am.) Sw.
- 228 Corvus americanus Aud.
- 234 Lanius cristatus (L.) Sw.
- 252 Sayornis fuscus (Am.) Bd.
- 286 Ceryle alcyon (L.) Bp.
- 299 Cicus pubescens L.
- 312 Colaptes auratus (L.) Sw.
- 252 Buteo lineatus (Am.) Jard.
- 255 " pennsylvanicus (Vils.) Bp.
- 389 Ortys virginianus (L.) Bp.

April 29

- 1 Turdus migratorius L.
- 16 Sialia sialis (L.) Haldeman
- 21 Regulus calendula (L.) Linn.
- 31 Larus atricapillus L.
- 49 Troglodytes aedon V.
- 78 Dendroica coronata (L.) G.
- 90 " palmarum (Am.) Bd.
- 94 Sturnus ludovicianus (V.) Bp.
- 139 Carpodacus purpureus (Am.) G.
- 149 Ceryle alcyon (L.) Bp.
- 168 Melospiza palustris (Vils.) Bd.
- 169 " melodia (Vils.) Bd.
- 177 Spizella monticola (Am.) Bd. Last noted
- 178 " socialis (Vils.) G.
- 179 " pusilla (Vils.) G.
- 189 Zonotrichia albicollis (Am.) Bp.
- (187) Passer domesticus Linn.
- 211 Motothrus pectoris (Am.) Sw.
- 221 Leucophaea ferruginea (Am.) Sw.
- 225 Zonotrichia albicollis (Am.) Bp.
- 228 Corvus americanus Aud.
- 232 Sayornis fuscus (Am.) Bd.
- 286 Ceryle alcyon (L.) Bp.
- 299 Cicus pubescens L.
- 312 Colaptes auratus (L.) Sw.

- 352 *Buteo lineatus* (Am.) Gard.
 - 338 *Accipiter hudsonius* (Am.) Bp.
 - 371 *Zenaidura carolinensis* (L.) G.
 - 436 *Tringoides macularius* (L.) G.
- Saira single House*
 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.) Leat.
 - 16 *Sialia sialis* (L.) Haldeman.
 - 21 *Regulus calendula* (L.) Licht.
 - 31 *Corvus atricapillus* L.
 - 78 *Dendroica coronata* (L.) G.
 - 90 " *palmarum* (Am.) Bd.
 - 111 *Hirundo horreorum* Barton. first seen
 - 112 *Tachycineta bicolor* (V.) Es.
 - 139 *Colaptes auratus* (L.) Sw.
 - 147 *Chrysomitris tristis* (L.) G.
 - 167 *Melospiza melodia* (Vils.) Bd.
 - 178 *Spizella socialis* (Vils.) Bp.
 - 179 " *pusilla* (Vils.) Bp.
 - 182 *Zonotrichia albicollis* (Am.) Bp.
 - (187) *Passer domesticus* Linn.
 - 204 *Pipilo erythrophthalmus* (L.) V.
 - 211 *Molothrus pectoris* (Am.) Sw.
 - 221 *Scotocophagus ferrugineus* (Am.) Sw.
 - 228 *Corvus americanus* Aud.
 - 234 *Cyanurus cristatus* (L.) Sw.
 - 299 *Picus pubescens* L.
 - 312 *Colaptes auratus* (L.) Sw.
 - 255 *Buteo pennsylvanicus* (Vils.) Bp.
- The Barred Sudlow's Crown Thrasher were new arrivals

May 1.

- 1 *Turdus migratorius* L.
 - 16 *Sialia sialis* (L.) Haldeman
 - 21 *Regulus calendula* (L.) Licht.
 - 31 *Corvus atricapillus* L.
 - 42 *Certhia familiaris* L.
 - 50 *Anothema hyemalis* (Vils.) Es.
 - 71 *Dendroica virens* (Am.) Bd.
 - 78 " *coronata* (L.) G.
 - 90 " *palmarum* (Am.) Bd.
 - 94 *Sturnus ludovicianus* (L.) Bp.
 - 111 *Hirundo horreorum* Barton
 - 112 *Tachycineta bicolor* (V.) Es.
 - 139 *Colaptes auratus* (L.) Sw.
 - 167 *Melospiza melodia* (Vils.) Bd.
 - 178 *Spizella socialis* (Vils.) Bp.
 - 179 " *pusilla* (Vils.) Bp.
 - 182 *Zonotrichia albicollis* (Am.) Bp.
 - (187) *Passer domesticus* Linn.
 - 204 *Pipilo erythrophthalmus* (L.) V.
 - 228 *Corvus americanus* Aud.
 - 234 *Cyanurus cristatus* (L.) Sw.
 - 252 *Myiornis fuscus* (Am.) Bd.
 - 284 *Ceryle alcyon* (L.) Boie.
 - 299 *Picus pubescens* L.
 - 312 *Colaptes auratus* (L.) Sw.
- The Black-throated Green Warbler has newly arrived.
- 265 *Arctostomus vociferus* (Vils.) Bp.
- I heard a whippoorwill'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, where I feed them

- 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* (Vils.) Bd. # H. T. April 25. 1876.
- 957 *Troglodytes aedon* L. ♂. H. T. Apr. 26.
- 958 *Regulus calendula* (L.) Licht. ♂ Apr. 26.
- 959 *Sialia sialis* (L.) Haldeman ♀. Orange. Co. Apr. 26. 1876. 6 1/16, 12, 3 1/16, 2 1/16.
- 960 *Tringoides macularius* (L.) Gr. ♀ Apr. 29. 7 1/16, 13 1/16, 4 1/16, 2 3/16. 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 1/16. Iris brown. Bill dusky horn-color at base of mand. Legs & feet dark brown.
- 962 *Dendroica palmarum* (Am.) Bd. ♂. Apr. 28. 5 5/16, 8 1/16, 2 12/16, 2 1/16. Iris brown. Legs dark brown. Bill with maxilla black. - mandible dusky brown.
- 963 *Zenaidura carolinensis* L. Bp. ♂. Hensok. Id. Hudson River, N.Y. Apr. 29. 11 1/16, 18 4/16, 6 1/16, 5 5/16. Iris hazel. Bill black. Legs & feet red.
- 964 *Seiurus ludovicianus* (V.) Bp. ♂. Apr. 29. 6 7/16, 10 5/16, 3 3/16, 2 3/16. Iris brown. Bill fleshy at base, rest horn-color. Legs & feet flesh-color.
- 965 *Molothrus pecoris* ♂ Apr. 29. 1876. 7 1/16, 13 5/16, 4 5/16, 3. Iris brown. Bill & feet black.
- 966 *Melospiza frontalis* (Vils.) Bd. ♂. 6 1/16, 8 5/16, 2 1/16, 2 1/16. Iris brown. Legs & feet brown. Bill blue-black, Apr. 29.
- 967 *Melospiza palustris* (Vils.) Bd. ♂. Apr. 29. Hensok Id. Hudson River, N. York. 6 1/16, 8 5/16, 2 1/16, 2 1/16.

- No. 968 *Dendroica coronata* (L.) Gr. ♂. Apr. 29/76. 5 12/16, 9, 2 1/16, 2 1/16. Iris dark.
 - 969 *Dendroica coronata* (L.) Gr. ♂. Apr. 29/76. 5 1/16, 9, 2 1/16, 2 1/16. Iris brown.
 - 970 *Dendroica coronata* (L.) Gr. ♂. Apr. 29/76. 5 1/16, 9 1/16, 2 1/16, 2 1/16. Iris brown.
- W. A. P.*
- 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* O.
 - 78 *Dendroica coronata* (L.) Gr.
 - 94 *Seiurus ludovicianus* (V.) Bp.
 - 111 *Merula migratoria* Barton.
 - 112 *Tachycineta bicolor* (V.) C.
 - 114 *Petrochelidon lunifrons* (Say). Cab. - first seen.
 - 139 *Carpodacus purpureus* (Gm.) Gr.
 - 149 *Chrysomitris tristis* (L.) Bp.
 - 168 *Melospiza palustris* (Vils.) Bd.
 - 169 " (Vils.) Bd.
 - 174 *Junco hyemalis* (L.) Sc.
 - 178 *Spizella socialis* (Vils.) Bp.
 - 179 " *pusilla* (Vils.) Bp.
 - 182 *Zonotrichia albicollis* (Gm.) Bp.
 - (187) *Passer domesticus* Linn.
 - 204 *Pipilo erythrophthalmus* (L.) O.
 - 211 *Molothrus pecoris* (Gm.) Sw.
 - 212 *Agelaius phoeniceus* (L.) V.
 - 221 *Sceloporus ferrugineus* (Gm.) Sw.
 - 228 *Corvus americanus* J. And.
 - 234 *Cyanurus cristatus* L. Sw.
 - 252 *Spizella breweri* (Gm.) Bd.
 - 286 *Ceryle alcyon* (L.) Boie.

- 299 *Quercus pubescens* L.
- 312 *Coccyzus americanus* (L.) Sw.
- 338 *Accipiter fuscus* (Gm.) Bp.
- 339 " *Cooperi* Bp.
- 251 *Buteo borealis* (Gm.) V.
- 252 " *lineatus* (Gm.) Jard?
- 255 " *pennsylvanicus* (Mils.) Bp.
- 285 *Bonasa umbellus* (L.) Steph.
- 389 *Oryzopsis virginianus* (L.) Bp.

May 3.

- 390 *Anthus in the mall (Mearnsii (Kara: iris) "L. C. M. (In terris))*
- 1 *Turdus migratorius* L.
- 4 " *pallasi* Cat.
- 10 *Harporhynchus rubus* (L.) Cat.
- 16 *Sialia sialis* (L.) Haldeman
- 21 *Regulus calendula* (L.) Licht.
- 31 *Parus atricapillus* L.
- 42 *Certhia familiaris* L.
- 49 *Troglodytes aedon* V.
- 57 *Mniotilta varia* (L.) V. (Newly arrived)
- 78 *Dendroica coronata* (L.) G.
- 90 " *palmarum* (Gm.) Bd.
- 94 *Seiurus ludovicianus* (V.) Bp.
- 100 *Icteria virens* (L.) Bd. ? (First seen)
- 111 *Hirundo horreorum* Barton
- 112 *Tachycineta bicolor* (V.) Les.
- 139 *Carpodacus purpureus* (Gm.) G.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Mils.) Bd.
- 178 *Spizella socialis* (Mils.) Bp.
- 179 " *pusilla* (Mils.) Bp.
- 182 *Zonotrichia albicollis* (Gm.) Bp.
- (187) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.

- 211 *Molothrus procerus* (Gm.) Sw.
 - 221 *Sceloporus ferrugineus* (Gm.) Sw.
 - 228 *Corvus americanus* G. Aud.
 - 234 *Cyanurus cristatus* (L.) Sw.
 - 252 *Layornis fuscus* (Gm.) Bd.
 - 265 *Anthus vociferus* (Mils.) Bp.
 - 286 *Ceryle alcyon* (L.) Boie.
 - 299 *Quercus pubescens* L.
 - 312 *Coccyzus americanus* (L.) Sw.
 - 338 *Accipiter fuscus* (Gm.) Bp.
 - 355 *Buteo pennsylvanicus* (Mils.) Bp.
 - 457 *Ardea virescens* L. (First seen)
- 2 Nos 57, 100, & 457 were newly arrived.

May 5.

- 1 *Turdus migratorius* L.
- 6 " *fulvescens* Steph. (First seen)
- 10 *Harporhynchus rubus* (L.) Cat.
- 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. (First seen)
- 78 *Dendroica coronata* (L.) G.
- 90 " *palmarum* (Gm.) Bd.
- 92 *Seiurus auricapillus* (L.) Sw. (First seen)
- 93 " *novboracensis* (Gm.) Nutt.
- 94 " *ludovicianus* (V.) Bp.
- 104 *Setophaga ruticilla* (L.) Sw. (First seen)
- 111 *Hirundo horreorum* Barton
- 139 *Carpodacus purpureus* (Gm.) G.
- 149 *Chrysomitris tristis* (L.) Bp.
- 168 *Melospiza galvestris* (Mils.) Bd.
- 169 " *melodia* (Mils.) Bd.
- 174 *Junco hyemalis* (L.) Sc.
- 178 *Spizella socialis* (Mils.) Bp.

- 202/79 *Agredilla pusilla* (Mils.) Bp.
 182 *Zonotrichia albicollis* (Gm.) Bp.
 (187) *Passer domesticus* Linn.
 204 *Pipilo erythrophthalmus* (L.) O.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Sayornis fuscus* (Gm.) Bd.
 265 *Antrostomus vociferus* (Mils.) Bp.
 286 *Ceryle alcyon* (L.) Bosc.
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (L.) Sw.
 355 *Buteo pennsylvanicus* (Mils.) Bp.
 385 *Bonasa umbellus* (L.) Steph.
 436 *Tringoides macularius* (L.) Gr.
 457 *Idea virescens* L.

Of the above, Nos 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 *Caprimulgus 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.
 80 " *palmarum* (Gm.) Bd. (first seen)
 67 *Helminthophaga ruficapilla* (Mils.) Bd.
 111 *Hirundo horreorum* Barton.
 139 *Carpodacus purpureus* (Gm.) Gr.
 169 *Melospiza melodia* (Mils.) Bd.
 178 *Spizella socialis* (Mils.) Bp.

- 179 *Agredilla pusilla* (Mils.) Bp.
 182 *Zonotrichia albicollis* (Gm.) Bp.
 (187) *Passer domesticus* L.
 204 *Pipilo erythrophthalmus* (L.) O.
 228 *Corvus americanus* Aud.
 234 *Cyanurus cristatus* (L.) Sw.
 252 *Sayornis fuscus* (Gm.) Bd.
 265 *Antrostomus vociferus* (Mils.) Bp.
 271 *Chaetura pelagica* (L.) Steph. first seen
 275 *Strochilus colubris* L. first seen
 286 *Ceryle alcyon* (L.) Bosc.
 299 *Picus pubescens* L.
 312 *Colaptes auratus* (L.) Sw.
 338 *Accipiter fuscus* (Gm.) Bp. Hawk.

The *Helminthophaga ruficapilla*, *Chaetura pelagica*, and *Strochilus colubris*, were newly arrived. (Nos 67, 271, & 275.)

May 7.

- 1 *Turdus migratorius* L.
 10 *Caprimulgus 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* (Mils.) Bd.
 78 *Dendroica coronata* (L.) Gr.
 111 *Hirundo horreorum* Barton.
 125 *Vireo gilvus* (L.) Bp. (first seen)
 139 *Carpodacus purpureus* (Gm.) Gr.
 169 *Melospiza melodia* (Mils.) Bd.
 178 *Spizella socialis* (Mils.) Bp.
 179 " *pusilla* (Mils.) Bp.
 (187) *Zonotrichia albicollis* *Passer domesticus* L.

- 204 *Pipilo erythrophthalmus* (L.) V.
- 211 *Molothrus forficatus* (Am.) Sw.
- 215 *Icterus spurius* (L.) Bp. (First seen)
- 216 " *Baltimore* (L.) Dandini (First seen)
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 237 *Tyrannus carolinensis* Sayonis fuscus (Am.) Bp.
- 265 *Antrostomus vociferus* (Vils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.

Nos. 125, 215, & 216 were newly arrived.

May 5.

- 1 *Turdus migratorius* L.
- 3 " *musketinus* Em. (First seen)
- 6 " *fuscescens* Steph.
- 9 *Mimus carolinensis* (L.) G. (First seen)
- 10 *Harporhynchus rufus* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 57 *Myiostilta varia* (L.) V.
- 58 *Parula americana* (L.) Bp.
- 67 *Helminthophaga ruficapilla* (Vils.) Bd.
- 71 *Dendroica virens* (Am.) Bd.
- 78 " *coronata* (L.) G.
- 92 *Seiurus auricapillus* (L.) Sw.
- 97 *Geothlypis trichas* (L.) Cab. (First seen)
- 101 *Myiodytes cinereus* (Am.) Aud. (First seen)
- 104 *Petophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton.
- 125 *Onco gilvus* (L.) Bp.
- 126 " *flavifrons* V. (First seen)
- 139 *Carpodacus purpureus* (Am.) G.
- 149 *Chrysomitris tristis* (L.) Bp.
- 169 *Melospiza melodia* (Vils.) Bd.

- 178 *Spizella socialis* (Vils.) Bp.
- 179 " *pusilla* (Vils.) Bp.
- 182 *Zonotrichia albicollis* (Am.) Bp.
- (187) *Passer domesticus* Linn.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 211 *Molothrus forficatus* (Am.) Sw.
- 212 *Agelaius phoeniceus* (L.) V.
- 215 *Icterus spurius* (L.) Bp.
- 216 " *Baltimore* (L.) Dandini
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd. (First seen)
- 252 *Sayonis fuscus* (Am.) Bd.
- 258 *Campidonax minimus* Bd. (First seen)
- 265 *Antrostomus vociferus* (Vils.) Bp.
- 271 *Chaetura pelagica* (L.) Steph.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 389 *Ortyx virginianus* (L.) Bp.

Nos. 3, 9, 17, 101, 126, 242, & 258 were new arrivals.

May 9.

- 1 *Turdus migratorius* L.
- 3 " *musketinus* Em.
- 5 " *Swainsoni* Cab. (First seen)
- 6 " *fuscescens* L.
- 9 *Mimus carolinensis* (L.) G.
- 10 *Harporhynchus rufus* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman.
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 57 *Myiostilta varia* (L.) V.
- 58 *Parula americana* (L.) Bp.
- 60 *Helminthophaga vermivora* (Am.) Bp. (First seen)
- 67 *Helminthophaga ruficapilla* (Vils.) Bd.
- 71 *Dendroica virens* (Am.) Bd.

- 76 *Dendroica caerulescens* (L.) Bd. (First seen)
- 78 " *coronata* (L.) G.
- 80 " *blackburniae* (Em.) Bd. (First seen)
- 83 " *Pennsylvanica* (L.) Bd. (First seen)
- 92 *Seiurus auricapillus* (L.) Sw.
- 97 *Geothlypis trichas* (L.) Cab.
- 101 *Myiarchus cinerascens* (Sw.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hirundo horreorum* Barton
- 127 *Uroo solitarius* (Vils.) V. (First seen)
- 139 *Carpodacus purpureus* (Em.) G.
- 149 *Chrysomitris tristis* (L.) G.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) G.
- 179 " *pusilla* (Vils.) G.
- (187) *Passer domesticus* L.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 212 *Agelaius phoeniceus* (L.) V.
- 216 *Icterus Baltimore* (L.) Dandini.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 259 *Sayornis fuscus* (Em.) Bd.
- 265 *Antrostomus vociferus* (Vils.) G.
- 271 *Chaetura pelagica* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Boie.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 385 *Bonasa umbellus* (L.) Stept.

Nos 5, 60, 76, 80, 83, 127 were newly arrived
May 10

- 1 *Turdus migratorius* L.
- 3 *Turdus mustelinus* Em.
- 5 " *Swainsoni* Cab.
- 7 *Mimus carolinensis* (L.) G.
- 10 *Catherpes mexicanus 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 *Tamula americana* (L.) G.
- 67 *Herminthophaga ruficapilla* (Vils.) Bd.
- 71 *Dendroica virens* (Em.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *coronata* (L.) G.
- 83 " *Pennsylvanica* (L.) Bd.
- 92 *Seiurus auricapillus* (L.) Sw.
- 93 " *norboracensis* (Em.) & Mitt.
- 97 *Geothlypis trichas* (L.) Cab.
- 104 *Setophaga ruticilla* (L.) Sw.
- 104 *Myiarchus cinerascens* (Sw.) Aud.
- 111 *Hirundo horreorum* Barton.
- 127 *Uroo solitarius* (Vils.) V.
- 139 *Carpodacus purpureus* (Em.) G.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) G.
- 179 " *pusilla* (Vils.) G.
- 204 *Pipilo erythrophthalmus* (L.) V.
- 212 *Agelaius phoeniceus* (L.) V.
- 218 *Icterus spurius* (L.) G.
- 216 " *Baltimore* (L.) Dandini.
- 221 *Scolophaea ferruginus* (Em.) Sw.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 259 *Sayornis fuscus* (Em.) Bd.
- 265 *Antrostomus vociferus* (Vils.) G.
- 271 *Chaetura pelagica* (L.) Steph.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 339 *Accipiter cooperi* G.
- 385 *Bonasa umbellus* (L.) Stept.
- 436 *Fringilla macularius* (L.) G.

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 five 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 stretched her legs away down and raised her wings up to beat them very fast, flapping 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 pretence 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 nest, and that one uttered not a single note of any kind.

May 11.

- | | |
|-----|--|
| 1 | <i>Furdus migratorius</i> L. |
| 3 | " <i>rustelinus</i> Gm. |
| 5 | " <i>Swainsoni</i> Cab |
| 9 | <i>Mimus carolinensis</i> (L.) G. |
| 10 | <i>Carpodacus rufus</i> (L.) Cab. |
| 21 | <i>Populus californica</i> (L.) Licht. |
| 31 | <i>Famea atricapillus</i> L. |
| 49 | <i>Troglodytes aedon</i> V. |
| 57 | <i>Mniotilta varia</i> (L.) B. |
| 67 | <i>Helminthophaga ruficapilla</i> (Vils.) Bd. |
| 71 | <i>Dendroica virens</i> (Gm.) Bd. |
| 76 | " <i>caerulescens</i> (L.) Bd. |
| 78 | " <i>coronata</i> (L.) G. |
| 83 | " <i>Pennsylvanica</i> (L.) Bd. |
| 92 | <i>Sciurus arvicapillus</i> (L.) G. |
| 94 | " <i>hudsonianus</i> (V.) G. |
| 97 | <i>Geothlypis trichas</i> (L.) Cab. |
| 100 | <i>Icteria virens</i> (L.) Bd. |
| 101 | <i>Myiodytes mitratus</i> (Gm.) Aud. |
| 104 | <i>Petrophaga ruticilla</i> (L.) G. |
| 111 | <i>Hirundo horreorum</i> Bonap. |
| 114 | <i>Petrochelidon lunifrons</i> (Say.) Cab. ^(first seen) |
| 127 | <i>Vireo solitarius</i> (Vils.) V. |
| 139 | <i>Carpodacus purpureus</i> (Gm.) G. |
| 149 | <i>Chrysomitris tristis</i> (L.) G. |
| 168 | <i>Melospiza palustris</i> (Vils.) Bd. |
| 169 | " <i>melodia</i> (Vils.) Bd. |
| 178 | <i>Spizella socialis</i> (Vils.) G. |

- 179 *Spizella pusilla* (Vils.) Bp.
 - 182 *Geothlypis albicollis* (Gm.) Sp.
 - (187) *Passer domesticus* L.
 - 193 *Amphispiza ludoviciana* (L.) Boudier.
 - 204 *Pipilo erythrophthalmus* (L.) W.
 - 216 *Icterus Baltimore* (L.) Daudin.
 - 228 *Corvus americanus* Aud.
 - 234 *Cyanurus cristatus* (L.) Sw.
 - 242 *Tyrannus Carolinensis* (L.) Bd.
 - 252 *Agelaius fuscus* (Gm.) Bd.
 - 258 *Empidonax minimus* Bd.
 - 265 *Antrostomus vociferans* (Vils.) Bp.
 - 271 *Chaetura pelagica* (L.) Steph.
 - 299 *Picus pubescens* L.
 - 302 *Speotyto cunicularia* (L.) Bd.
 - 312 *Colaptes auratus* (L.) Sw.
 - 371 *Zenaidura macroura* (L.) Bp.
 - 385 *Bonasa umbellus* (L.) Steph.
 - 389 *Coturnix virginiana* (L.) Bp.
- September 14. (*Petrochelidon lunifrons*); was seen to day for the first time.

I found a pair of the *Porus atricapillus* building their nest in a tree situated in a swamp. The old birds were collecting materials for the lining. They gathered a sort of cottony fluff that grew on the stalks 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 Strucuses, 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 *Pyrranga aestiva* (L.) W. or the *Cardinalis virginiana* (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 *Pyrranga rubra*.

(It must have been the *Cardinalis virginiana* (Jan. 1878) E. A. Mearns)

I visited the salt-marsh this A.M. did not see or hear anything of the Wrens, yet.

May 12.

Labels of Skins

- No. 971 *Turdus swainsoni* Cat. ♂ May 9. H. 5.7. 7 1/16, 12 1/16, 4 1/16, 2 15/16. Iris dark brown. Bill black, fleshy at base of mandible. Legs & feet fleshy-brown.
- 972 *Turdus swainsoni* Cat. ♂. May 9. H. 5.7. 7 3/16, 12 1/16, 3 5/16, 2 1/16. Iris dark. Legs fleshy brown. Bill black, horn-color at base.
- 973. *Strigoides macularius* (L.) Cr. ♀ May 10. H. 5.7. 8 5/16, 14, 4 7/16, 2 5/16. Iris brown. Bill fleshy, tipped black. Legs & feet bluish flesh-color.
- 974. *Helminthophaga ruficapilla* (Vils.) Bd. ♂. May 10. H. 5.7. 4 1/16, 7 5/16, 2 5/16, 1 2/16.

- No. 975. *Dendroica virens* (Am.) Bd. ♀. May 10. H.E.
 4¹⁵/₁₆, 7¹/₁₆, 2⁵/₁₆, 1¹/₁₆. Iris dark brown.
 Bill and feet black. Legs & feet very dark brown.
- 976 *Dendroica pennsylvanica* (L.) Bd. ♀.
 May 10. H.E. 5, 7¹³/₁₆, 2⁹/₁₆, 1⁵/₁₆.
 Iris brown. Bill blue black. Legs and feet
 lead-color.
- 977 *Vireo solitarius* (Vill.) V. ♀. May 10. H.F. allis.
 5⁸/₁₆, 9⁸/₁₆, 2¹⁵/₁₆, 2¹/₁₆. Irides hazel.
 Bill and feet lead-color.
- 978 *Myiobetes mitratus* (Am.) Aud. ♀ May 10.
 H.E. 5¹³/₁₆, 8⁵/₁₆, 2⁹/₁₆, 2⁶/₁₆.
 Iris brown. Bill blue-black. Legs & feet flesh-color.
- 979 *Dendroica virens* (Am.) Bd. ♂ May 10.
 5⁴/₁₆, 8¹/₁₆, 2¹⁰/₁₆, 2¹/₁₆.
- 980 *Dendroica coronata* (L.) Gr. ♀ May 10.
 5⁷/₁₆, 8⁷/₁₆, 2⁷/₁₆, 2³/₁₆.
- 981 *Mniotilta varia* (L.) V. ♂ May 10 H.E.
 5⁵/₁₆, 8⁷/₁₆, 2¹³/₁₆, 2.
- 982 *Regulus calendula* (L.) Lict. ♀ May 11
 H.E. 4³/₁₆, 6⁷/₁₆, 2³/₁₆, 1⁰/₁₆.

List of Birds Seen

- 1 *Turdus migratorius* L.
- 3 " *muscularis* Am.
- 5 " *Swainsoni* Cab.
- 6 " *fuscus* Steph.
- 9 *Mimus Carolinensis* (L.) G.
- 10 *Geothlypis trichas* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman.
- 21 *Regulus calendula* (L.) Lict. ?
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 57 *Mniotilta varia* (L.) V.
- 58 *Parula americana* (L.) G.
- 60 *Helminthophaga ruficapilla* (Vill.) Bd.
- 67

- 70 *Dendroica aestiva* (Am.) Bd. (First seen)
 - 71 " *virens* (Am.) Bd.
 - 76 " *caerulescens* (L.) Bd.
 - 78 " *coronata* (L.) G.
 - 80 " *blackburniae* (Am.) Bd.
 - 83 " *Pennsylvanica* (L.) Bd.
 - 92 *Seiurus auricapillus* (L.) G.
 - 9- *Seiurus* - - -
 - 97 *Geothlypis trichas* (L.) Cab.
 - 101 *Myiobetes mitratus* (Am.) Aud.
 - 104 *Stelophaga ruticilla* (L.) Sw.
 - 107 *Tyranga rubra* (L.) V. - First seen.
 - 111 *Turdus horreorum* Barton.
 - 114 *Petrochelidon lunifrons* (Say) Cab.
 - 126 *Vireo flavifrons* V.
 - 127 " *Solitarius* (Vill.) V.
 - 149 *Chrysomitris tristis* (L.) G.
 - 167 *Melospiza melodia* (Vill.) Bd.
 - 178 *Spizella socialis* (Vill.) G.
 - 179 " *pusilla* (Vill.) G.
 - 182 *Zonotrichia albicollis* (Am.) G.
 - (187) *Papio domesticus* L.
 - 204 *Pipilo erythrophthalmus* (L.) V.
 - 216 *Icterus Baltimore* (L.) Dandri.
 - 228 *Corvus americanus* Aud.
 - 234 *Cyanurus cristatus* (L.) G.
 - 242 *Cyanurus Carolinensis* (L.) Bd.
 - 252 *Sayornis fuscus* (Am.) Bd.
 - 258 *Empidonax minimus* Bd.
 - 265 *Antrostomus vociferans* (Vill.) G.
 - 271 *Chaetura pelagica* (L.) Steph.
 - 299 *Picus pubescens* L.
 - 385 *Bonasa umbellus* (L.) Steph.
 - 436 *Tingides macularius* (L.) G.
- No. 70 was the only new arrival.
 There were large straggling flocks of
 the *Vireo flavifrons* V. in the woods.

May 13, 1876.

- 1 *Turdus migratorius* L.
- 3 " *musulinus* Gr.
- 5 " *swainsoni* Cab.
- 6 " *fuscus* Steph.
- 9 *Mimus Carolinensis* (L.) Gr.
- 10 *Geothlypis trichas* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 57 *Monticola varia* (L.) V.
- 58 *Parula americana* (L.) Sp.
- 60 *Helminthophaga erminivora* (Gr.) Bp.
- 67 *Helminthophaga ruficapilla* (Vils.) Bd.
- 71 *Dendroica virens* (Gr.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *coronata* (L.) Gr.
- 80 " *blackburniae* (Gr.) Bd.
- 83 " *pennsylvanica* (L.) Bd.
- 92 *Scirpus aurocapillus* (L.) Sw.
- 93 " *noveboracensis* (Gr.) Nutt.
- 94 " *ludoviciana* (V.) Bp.
- 97 *Geothlypis trichas* (L.) Cab.
- 101 *Myiodytes mitratus* (Gr.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 111 *Hermodas horreorum* Baston.
- 112 *Tachycineta bicolor* (V.) Es.
- 114 *Petrochelidon lunifrons* (Say) Cab.
- 126 *Vireo flavifrons* V.
- 127 " *solitarius* (Vils.) V.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Sp.
- 179 " *pusilla* (Vils.) Sp.
- 182 *Junco trichia albicollis* (Gr.) Sp.
- 187 *Passer domesticus* L.
- 193 *Amphispiza ludoviciana* (L.) Bourdick.
- 204 *Carpodacus erythrophthalmus* (L.) V.

1876.

- 212 *Agelaius phoeniceus* (L.) V.
- 215 *Icterus spurius* (L.) Sp.
- 216 " *Baltimore* (L.) Daudin.
- 228 *Coccyz americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 247 *Myiarchus cinerascens* (L.) Cab.
- 252 *Myiornis fuscus* (Gr.) Bd.
- 258 *Empidonax minimus* Bd.
- 265 *Ammodramus vociferus* (Vils.) Sp.
- 271 *Chactura pelagica* (L.) Steph.
- 286 *Ceryle alcyon* (L.) Bonn.
- 299 *Circus pubescens* L.
- 355 *Buteo Pennsylvanicus* (Vils.) Sp.
- 385 *Bonasa umbellus* (L.) Steph.

I have seen none of the *Dendroica maculosa* this spring.

The *Dendroica blackburniae* have not been very rare. I have obtained three.

The *Helminthophaga erminivora* 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 female today. 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 *Vireo flavifrons* & *solitarius* for days past.

I have seen but one *Cyanurus* *subcaeruleus*

1876
May 16.

- 1 *Turdus nigricatorius* L.
- 3 " *mustelinus* Sw.
- 5 " *swainsoni* Cat.
- 6 " *fuscus* Steph.
- 9 *Mimus carolinensis* L. Jr
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) G. C. Baldwin
- 31 *Tyrus atricapillus* L.
- 49 *Proglodytes aedon* L.
- 57 *Mniotilta varia* (L.) V.
- 58 *Parula americana* (L.) Sp.
- 60 *Helminthophaga ruficapilla* (Wils.) Bd.
- 69 *Helminthophaga ruficapilla* (Wils.) Bd.
- 71 *Dendroica virens* (Sw.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *coronata* (L.) Sw.
- 80 " *blackburniae* (Sw.) Bd.
- 82 " *castanea* (Wils.) Bd. (first seen)
- 83 " *pennsylvanica* (L.) Bd.
- 84 " *maculosa* (Sw.) Bd. (first seen)
- 89 *Sturnus auricapillus* (L.) Sw.
- 91 *Sturnus*
- 97 *Geothlypis trichas* (L.) Cat.
- 101 *Myiarchus cinerascens* (Sw.) Aud.
- 103 " *canadensis* (L.) Aud. (first seen)
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Tyranga rubra* (L.) V.
- 111 *Corvus corax* (L.) B. P.
- 122 *Vireo olivaceus* (L.) V. (first seen)
- 127 " *solitarius* (Wils.) V.
- 149 *Chrysomitris tristis* (L.) Sp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 178 *Spizella socialis* (Wils.) Sp.
- 179 " *passilla* (Wils.) Sp.
- 193 *Zonotrichia querula* (L.) B. P.
- 104 *Pipilo erythrophthalmus* (L.) V.

1876

- 215 *Icterus spurius* (L.) B. P.
 - 216 *Icterus Baltimore* (L.) D. D. D.
 - 228 *Coryvus americanus* Aud.
 - 242 *Cyanus carolinensis* (L.) Bd.
 - 258 *Empidonax minimus* Bd.
 - 265 *Antrostomus vociferans* (Wils.) Sp.
 - 271 *Chaetura pelagica* (L.) Steph.
 - 275 *Trochilus colubris* L.
 - 291 *Coccyzus americanus* (L.) Sp.
 - 312 *Colaptes auratus* (L.) Sw.
 - 315 *Bonasa umbellus* (L.) Steph.
 - 436 *Tringa melanocoryx* (L.) G. C. Baldwin
- No's 82, 84, 103, & 122, were newly arrived.
The *Coccyzus americanus* (L.) Sp. (No 291) was first
heard for the first on Sunday the 14th.

I saw a single *Dendroica castanea* (L.) Sw. which I shot.

The *Dendroica maculosa* were first seen to-day. They frequented the hemlocks even more exclusively than the *Dendroica virens*.

The *Myiarchus cinerascens* were very common about a swampy brook.

The females of the *Dendroica virens*, *caerulescens*, & *pennsylvanica* are now as abundant as the males.

The *D. coronata* seen to day were all females.

Found a just finished nest of the *Spizella passilla* (Wils.) Sp. in a Cedar bush.

The *Turdus swainsoni* Cat were not nearly so numerous to-day as they were on Saturday (13th).

May 17

- 1 *Turdus migratorius* L.
- 3 " *mustelinus* Sw.
- 5 " *Swainsoni* Cat.
- 6 " *fuscescens* Steph.
- 9 *Minus carolinensis* (L.) G.
- 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.) Sp.
- 60 *Helminthophaga ruficapilla* (Vils.) Bd.
- 67 *Helminthophaga ruficapilla* (Vils.) Bd.
- 71 *Dendroica virens* (Sw.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *coronata* (L.) Sw.
- 80 " *blackburniae* (Sw.) Bd.
- 83 " *pennsylvanica* (L.) Bd.
- 84 " *maculosa* (Sw.) Bd.
- 92 *Seiurus auricapillus* (L.) Sw.
- 97 *Seiurus* _____
- 97 *Geothlypis trichas* (L.) Cab.
- 101 *Myiobuteo mitratus* (Sw.) Aud.
- 103 " *canadensis* (L.) Aud.
- 104 *Stephaga ruticilla* (L.) Sw.
- 111 *Merula migratoria* Barton
- 122 *Vireo olivaceus* (L.) V.
- 126 " *flavifrons* V.
- 127 " *solitarius* (Vils.) G.
- 129 " *noveboracensis* (Sw.) G. (First seen)
- 149 *Chrysomitris tristis* (L.) Sp.
- 169 *Melospiza melodia* (Vils.) Bd.
- 176 *Spizella socialis* (Vils.) Sp.
- 179 " *pusilla* (Vils.) Sp.
- 187 *Peper domesticus* Sw.
- 204 *Pipilo erythrophthalmus* (L.) V.

- 215 *Icterus spurius* (L.) G.
- 216 " *baltimore* (L.) Daudin
- 228 *Corvus americanus* Aud.
- 252 *Sayornis fuscus* (Sw.) Bd.
- 258 *Empidonax minimus* Bd.
- 271 *Chaetura pelagica* (L.) Steph.
- 299 *Procyon 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 others remained a long time
 The *D. maculosa* were also observed frequenting the ground, and young were seen.

May 18

- 1 *Turdus migratorius* L.
- 3 " *mustelinus* Sw.
- 5 " *Swainsoni* Cat.
- 6 " *fuscescens* Steph.
- 9 *Minus carolinensis* (L.) G.
- 10 *Harporhynchus rufus* (L.) Cab.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes aedon* V.
- 57 *Mniotilta varia* (L.) V.
- 58 *Parula americana* (L.) Sp.
- 67 *Helminthophaga ruficapilla* (Vils.) Bd.
- 70 *Dendroica aestiva* (Sw.) Bd.
- 71 " *virens* (Sw.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *coronata* (L.) Sw.
- 80 " *blackburniae* (Sw.) Bd.
- 83 " *pennsylvanica* (L.) Bd.
- 84 " *maculosa* (Sw.) Bd.

- 92 *Semius auricapillus* (L.) Sw.
- 94 " *ludovicianus* (V.) Sp.
- 97 *Geothlypis trichas* (L.) Cat.
- 100 *Icteria virens* (L.) Bd.
- 101 *Megascops mitratus* (Am.) Aud.
- 103 " *Canadensis* (L.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Tyranga rubra* (L.) O.
- 111 *Corvinus corax* Barton
- 122 *Vireo olivaceus* (L.) O.
- 125 " *gilvus* (V.) Sp.
- 126 " *flavifrons* V.
- 127 " *solitarius* (Vils.) V.
- 129 " *noveboracensis* (Am.) Sp.
- 149 *Ceryle alcyon* (L.) Sp.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Sp.
- 179 " *pusilla* (Vils.) Sp.
- 204 *Pipilo erythrophthalmus* (L.) O.
- 216 *Icterus Baltimore* (L.) D. and D.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 242 *Tyrannus carolinensis* (L.) Bd.
- 259 *Lanius fuscus* (Am.) Bd.
- 258 *Ampidonax minimus* Bd.
- 265 *Antrostomus vociferans* (Vils.) Sp.
- 271 *Celastrus pelagicus* (L.) Steph.
- 275 *Trochilus colubris* L.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L.) Sw.
- 385 *Bonasa umbellus* (L.) Steph.
- 457 *Ardea herodias* L.

I have not seen a single bird of *Cyanospiza cyanea*, this year. The *Megascops Canadensis* rather abundant.

May 7?

- 1 *Fundus migratorius* L.
- 3 " *muscelinus* Em.
- 5 " *swainsoni* Cat.
- 6 " *fuscescens* Stept.
- 9 *Merula carolinensis* (L.) St.
- 10 *Caprimulgus rufus* (L.) Cat.
- 16 *Nahia dialix* (L.) Halderman.
- 31 *Parus atricapillus* (L.) Sw.
- 49 *Troglodytes aedon* V.
- 57 *Mniotilta varia* (L.) Sp.
- 58 *Parula americana* (L.) Sp.
- 59 *Helminthophaga palustris* (Vils.) Cat.
- 67 *Helminthophaga ruficapilla* (Vils.) Bd.
- 71 *Dendroica virens* (Am.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *cornata* (L.) Sw.
- 80 " *blackburniae* (Am.) Bd.
- 83 " *Pennsylvanica* (L.) Bd.
- 84 " *maculosa* (Am.) Bd.
- 92 *Semius auricapillus* (L.) Sw.
- 93 " *noveboracensis* (Am.) Nutt.
- 94 " *ludovicianus* (V.) Sp.
- 97 *Geothlypis trichas* (L.) Cat.
- 101 *Megascops mitratus* (Am.) Aud.
- 103 " *Canadensis* (L.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Tyranga rubra* (L.) O.
- 111 *Corvinus corax* Barton.
- 122 *Vireo olivaceus* (L.) O.
- 125 " *gilvus* (V.) Sp.
- 126 " *flavifrons* V.
- 127 " *solitarius* (Vils.) V.
- 129 " *noveboracensis* (Am.) Sp.
- 149 *Ceryle alcyon* (L.) Sp.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Sp.

- 179 *Spizella pusilla* (Wils.) Sp.
- 182 *Zonotrichia albicollis* (Gm.) Sp.
- (187) *Passer domesticus* Linn.
- 193 *Amiropa ludoviciana* (S.) Bondick
- 204 *Pipilo erythrophthalmus* (L.) W.
- 212 *Agelaius phoeniceus* (L.) W.
- 216 *Icterus Baltimore* (G.) Dandini
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus Carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Coccyzus erythrophthalmus* (L.) W.
- 258 *Campidonax minimus* Bd.
- 265 *Antrostomus vociferus* (Wils.) Sp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 299 *Picus pubescens* L.
- 319 *Coccyzus erythrophthalmus* (L.) W.
- 352 *Buteo lineatus* (Gm.) Gord?
- 435 *Totanus solitarius* Wils.

May 20

- 1 *Turdus migratorius* L.
- 3 " *muscleus* Gm.
- 5 " *swainsoni* Cab.
- 9 *Mimus Carolinensis* (L.) Sp.
- 10 *Coccyzus erythrophthalmus* (L.) W.
- 16 *Lilia lialis* (L.) Haldeman.
- 31 *Tarus atricapillus* L.
- 49 *Troglodytes aedon* L.
- 57 *Mniotilta varia* (L.) W.
- 58 *Quoula americana* (L.) Sp.
- 67 *Helminthophaga ruficapilla* (Wils.) Bd.
- 71 *Dendroica virens* (Gm.) Bd.
- 76 " *caeruleocephala* (L.) W.
- 78 " *coronata* (L.) Sp.
- 80 " *blackburniae* (Gm.) Bd.
- 82 " *castanea* (Wils.) Bd.

- 84 *Dendroica maculosa* (Gm.) Bd.
- 83 *Dendroica pennsylvanica* (L.) Bd.
- 92 *Seurus auricapillus* (L.) Sp.
- 94 " *ludoviciana* (L.) Sp.
- 97 *Geothlypis trichas* (L.) Cab.
- 101 *Myadestes mitratus* (Gm.) Aud.
- 103 " *canadensis* (L.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Pyronia rubra* (L.) W.
- 111 *Chondestes townsoni* Barton.
- 114 *Petrochelidon lunifrons* (Say) Cab.
- 122 *Vireo olivaceus* (L.) W.
- 126 " *flavifrons* D.
- 149 *Chrysomitris tristis* (L.) Sp.
- 169 *Melospiza melodia* (Wils.) Bd.
- 175 *Spizella socialis* (Wils.) Sp.
- 179 " *pusilla* (Wils.) Sp.
- 182 *Zonotrichia albicollis* (Gm.) Sp.
- (187) *Passer domesticus* Linn.
- 194 *Amiropa ludoviciana* (S.) Bondick
- 199 *Cyanospiza cyanea* (L.) Bd.
- 204 *Pipilo erythrophthalmus* (L.) W.
- 216 *Icterus Baltimore* (G.) Dandini.
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus Carolinensis* (L.) Bd.
- 252 *Sayornis fuscus* (Gm.) Bd.
- 255 *Coccyzus erythrophthalmus* (L.) W.
- 258 *Campidonax minimus* Bd.
- 265 *Antrostomus vociferus* (Wils.) Sp.
- 271 *Chaetura pelagica* (L.) Steph.
- 275 *Trochilus colubris* L.
- 286 *Ceryle alcyon* (L.) Bon.
- 290 *Coccyzus erythrophthalmus* (Wils.) Bd.
- 299 *Picus pubescens* L.
- 319 *Coccyzus erythrophthalmus* (L.) W.
- 352 *Bonasa umbellus* (L.) Steph.

The *Dendroica castanea* were very abundant. I shot eight of them.

May 22

- 1 *Turdus migratorius* L.
- 3 " *mustelinus* Sm.
- 50. " *Aliciae* (Bd.) C.
- 9 *Mimus Carolinensis* (L.) Sw.
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) Haldeman.
- 49 *Troglodytes aedon* L.
- 57 *Mniotilta varia* (L.) V.
- 58 *Parula americana* (L.) Bp.
- 67 *Helminthophaga ruficapilla* (Wils.) Bd.
- 71 *Dendroica virens* (Am.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *cornata* (L.) Sw.
- 80 " *blackburniae* (Am.) Bd.
- 82 " *castanea* (Vils.) Bd.
- 83 " *penneyi* (Am.) Bd.
- 84 " *maculosa* (Am.) Bd.
- 92 *Seiurus aurocapillus* (L.) Sw.
- 94 " *ludovicianus* (L.) Bp.
- 97 *Geothlypis trichas* (L.) Cat.
- 101 *Myiobites nitratu* (Am.) Aud.
- 103 " *Canadensis* (L.) Aud.
- 104 *Setophaga ruticilla* (L.) Sw.
- 107 *Cyanospiza cyanea* (L.) V.
- 111 *Cirundo harrisi* Barton
- 122 *Vireo olivaceus* (L.) V.
- 125 " ~~flavifrons~~ *gilvus* (L.) Bp.
- 126 " *flavifrons* L.
- 149 *Chrysomitris tristis* (L.) Sp.
- 169 *Melospiza melodia* (Vils.) Bd.
- 178 *Spizella socialis* (Vils.) Bp.
- 179 " *pusilla* (Vils.) Bp.
- 182 *Zonotrichia albicollis* (Am.) Sp.
- (57) *Tafelbergia domestica* (L.) Sw.
- 199 *Cyanospiza cyanea* (L.) V.
- 204 *Pipilo erythrophthalmus* (L.) V.

- 216 *Icterus Hattinore* (L.) D. andri.
 - 228 *Corvus americanus* Aud.
 - 234 *Cyanurus cristatus* (L.) Sw.
 - 242 *Tyrannus Carolinensis* (L.) Bd.
 - 252 *Sayornis fuscus* (L.) Sw.
 - 255 *Empidonax virens* (L.) Cat.
 - 25 - *Empidonax* - - - ?
 - 258 " *minimus*
 - 265 *Protonotaria vociferans* (Vils.) Bp.
 - 271 *Chaetura pelagica* (L.) Steph.
 - 290 *Coccyzus erythrophthalmus* (L.) V.
 - 299 *Picus pubescens* L.
 - 312 *Colaptes auratus* (L.) Sw.
 - 385 *Bonasa umbellera* (L.) Steph.
- The *Dendroica castanea* was very plenty. I shot one female.
I also saw a large gray Hawk.

May 23

- 1 *Turdus migratorius* L.
- 3 " *mustelinus* Sm.
- 5 " *Swainsoni* Cat. - Common.
- 50. " *Aliciae* (Bd.) C.?
- 6 " *fuscus* (L.) Sw.
- 9 *Mimus Carolinensis* (L.) Sw.
- 10 *Geothlypis trichas* (L.) Cat.
- 16 *Sialia sialis* (L.) Haldeman.
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* L.
- 57 *Mniotilta varia* (L.) V.
- 58 *Parula americana* (L.) Bp.
- 60 *Helminthophaga ruficapilla* (Wils.) Bd.
- 68 *Helminthophaga ruficapilla* (Wils.) Bd.
- 71 *Dendroica virens* (Am.) Bd.
- 76 " *caerulescens* (L.) Bd.
- 78 " *cornata* (L.) Sw.
- 80 " *blackburniae* (Am.) Bd. Abundant

- 81 Dendroica striata (Forst) Bd. Abundant
- 82 " castanea (Vils) Bd. Abundant.
- 83 " pennsylvanica (L) Bd.
- 84 " maculosa (Gm) Bd.
- 92 Sturnus auricapillus (L) Sw.
- 94 " ludovicianus (V.) Bp.
- 97 Geothlypis trichas (L) Cab.
- 100 Icterus virens (L) Bd.
- 101 Myiarchus cinerascens (Gm) Aud.
- 103 " Canadensis (L) Aud. Abundant
- 104 Setophaga ruticilla (L) Sw.
- 107 Pyrranga rubra (L) V.
- 111 Hirundo horreorum Barton.
- 114 Petrochelidon lunifrons (Say) Cab.
- 122 Vireo olivaceus (L) V.
- 126 " flavifrons V.
- 127 " solitarius (Vils) V.
- 149 Chrysomitris tristis (L) Bp.
- 168 Melospiza palustris (Vils) Bd.
- 169 " melodia (Vils) Bd.
- 178 Spizella socialis (Vils) Bp.
- 179 " pusilla (Vils) Bp.
- 182 Zonotrichia albicollis (Gm) Bp.
- 183 " leucocophrys (Forst) Sw.
- 187 Passer domesticus Lin.
- 193 Empidonax ludovicianus (L) Bon-dich.
- 199 Cyanospiza cyanea (L) Bd.
- 204 Phelo erythrophthalmus (L) V.
- 210 Dolichonyx oryzivorus (L) Sw.
- 212 Agelaius 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.
- 252 Passeris fuscus (Gm) Bd.
- 255 Ceryle alcyon (L) Cab.

- 25 - Compadinae
 - 258 " minimus Bd.
 - 259 " flaviventris Bd.
 - 265 Antrostomus vociferus (Vils) Bp.
 - 271 Chaetura pelagica (L) Steph.
 - 290 Coccyzus erythrophthalmus (L) V.
 - 299 Ptilo fuscescens L.
 - 312 Colaptes auratus (L) Sw.
 - 385 Bonasa umbellus (L) Steph.
 - 412 Phalobela minor (Gm) Sw. moulting
 - 436 Troglodytes maculorinus (L) V.
- 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 Sw.
 - 5 " swainsoni Cab.
 - 5a " aliciae (Bd) Es.
 - 6 " fuscescens Steph.
 - 9 Minus Carolinensis (L) Sw.
 - 10 Casparynetus rufus (L) Cab.
 - 16 Sialia bialis (L) Haldeman
 - 49 Troglodytes aedon V.
 - 57 Mniotilta varia (L) V.
 - 80 Dendroica blackburniae (Gm) Bd.
 - 81 " striata (Forst) Bd.
 - 82 " castanea (Vils) Bd.
 - 83 " pennsylvanica (L) Bd.
 - 84 " maculosa (Gm) Bd.
 - 89 Sturnus auricapillus (L) Sw.

- 93 *Sciurus noveboracensis* (Gm) Nutt.
- 94 " *ludovicianus* (V) Bp.
- 103 *Myiodiictes Canadensis* (L) Aud.
- 104 *Setophaga ruticilla* (L) Sw.
- 107 *Tyranga rubra* (L) V.
- 111 *Hirundo horreorum* Barton
- 122 *Vireo olivaceus* (L) V.
- 149 *Chrysomitris tristis* (L) Bp.
- 169 *Melospiza melodia* (Vils) Bd.
- 178 *Spizella socialis* (Vils) Bp.
- 179 " *pusilla* (Vils) Bp.
- (187) *Casus domesticus* Linn.
- 199 *Cyanospiza cyanea* (L) Bd.
- 204 *Pipilo erythrophthalmus* (L) W.
- 215 *Icterus spurius* (L) Bp.
- 216 *Icterus Palmiro* (L) Daudin
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus Carolinensis*
- 252 *Sayornis fusca* (Gm) Bd.
- 253 *Coccyzus erythrophthalmus* (L) W.
- 255 *Coccyzus virens* (L) Cab.
- 258 *Empidonax minimus* Id.
- 259 " *flaviventris* Bd.
- 265 *Antrostomus vociferus* (Vils) Bp.
- 277 *Capactura pelagica* (L) Steph.
- 290 *Coccyzus erythrophthalmus* (L) W.
- 299 *Picus pubescens* Linn.
- 312 *Colaptes auratus* (L) Steph.

I saw the Gray Hawk again: It seems to be about half-albino. It has been about the woods for several weeks.

This 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 trilling of an Orchard

Birds Seen May 26, 27, & 28.

- 1 *Turdus migratorius* L.
- 3 " *muscleus* Gm.
- 5 " *swainsoni* Cab.
- 5a " *aliciae*
- 9 *Mimus carolinensis* (L) Bp.
- 10 *Harporhynchus rufus* (L) Cab.
- 16 *Sialia sialis* (L) Halcyon
- 31 *Parus atricapillus* L.
- 49 *Troglodytes aedon* V.
- 57 *Mniotilta varia* (L) V.
- 58 *Parula americana* (L) Bp.
- 71 *Helminthophaga Dendroica virens* (Gm) Bd.
- 80 *Dendroica blackburniae* (Gm) Bd.
- 81 *Dendroica striata* (Forst) Bd.
- 82 *Dendroica castanea* (Vils) Bd.
- 83 *Dendroica pennsylvanica* (L) Bd.
- 84 *Dendroica maculosa* (Gm) Bd.
- 92 *Sciurus auricapillus* (L) Sw.
- 93 *Sciurus noveboracensis* (Gm) Nutt.
- 94 *Sciurus ludovicianus* (V) Bp.
- 97 *Geothlypis trichas* (L) Cab.
- 98 *Geothlypis philadelphia* (Vils) Bd.
- 100 *Icterus virens* (L) Bd.
- 101 *Myiodiictes mitratus* (Gm) Aud.
- 103 *Myiodiictes Canadensis* (L) Aud.
- 104 *Setophaga ruticilla* (L) Sw.
- 107 *Tyranga rubra* (L) V.
- 111 *Hirundo horreorum* Barton
- 114 *Petrochelidon lunifrons* (Sw) Cab.
- 119 *Ampelis cedrorum* (L) Bd.
- 122 *Vireo olivaceus* (L) V.
- 126 *Vireo flavifrons* V.
- 149 *Chrysomitris tristis* (L) Bp.
- 169 *Melospiza melodia* (Vils) Bd.
- 178 *Spizella socialis* (Vils) Bp.
- 479 *Spizella pusilla* (Vils) Bp.

- 182 *Zonotrichia albicollis* (Sm) Bp.
- (187) *Passer domesticus* Linn
- 199 *Cyanospiza cyanea* (L) Bd.
- 204 *Pipilo erythrophthalmus* (L) V.
- 215 *Icterus spurius* (L) Bp.
- 216 " *hathroire* (L) Dandri
- 228 *Corvus americanus* Aud.
- 242 *Tyrannus carolinensis* (L) Bd.
- 252 *Sayornis fuscus* (Sm) Bd.
- 253 *Catopus vernalis* (Sw) Bd.
- 255 " *virens* (L) Cab.
- 25 *Empidonax*
- 258 " *minimus* Bd.
- 259 " *flaviventris* Bd. [Late date?]
- 265 *Ammodramus vociferus* (Vil) Bp.
- 271 *Chaetura pelagica* (L) Stept.
- 275 *Loxia colubris* L.
- 290 *Coccyzus erythrophthalmus* (Vil) Bd.
- 299 *Picus pubescens* L.
- 312 *Colaptes auratus* (L) Sw.
- 385 *Bonasa umbellus* (L) Stept.
- 435 *Strigoides macularius* (L) H.
- 457 *Ardea virescens* L.

May 29

Found the nest of the *Parus atricapillus* situated in a hole in bottom ball tree, in the middle of a large brook. The eggs were seven (7) but were too hard & set upon to be blown.

May 30

Found the nest of the *Picus pubescens* L. containing five (5) Eggs, pure white, and hard set upon.

- No. 983 *Myiodioces Canadensis* (L) Aud. ♂ May 22
H. T. 5 1/4, 8 1/4, 2 1/4, 2 1/4.
Iris brown. Bill with maxilla blackish, mandible flesh-color. Legs & feet flesh-color.
- 984 *Dendroica maculosa* (Sm) Bd. ♂ May 28.
5 1/4, 7 1/4, 2 1/4, 2.
- 985 *Dendroica blackburniae* (Sm) Bd. ♂ May 17/76
H. T. 5 1/4, 8 1/4, 2 1/4, 1 5/16.
Iris brown. Legs & feet dark brown. Bill black shading into horn-color at base of mandible, and on culmen.
- 986 *Myiodioces Canadensis* (L) Aud. ♂ May 22.
H. T. 5 1/4, 8 1/4, 2 5/16, 2 1/4.
Iris brown. Bill with maxilla blackish, mandible fleshy. Legs & feet flesh-color.
- 987 *Myiodioces Canadensis* (L) Aud. ♂ May 22.
H. T. 5 1/4, 8 1/4, 2 1/4, 2 1/4.
Iris brown. Bill with maxilla blackish, mandible fleshy. Legs & feet flesh-color.
- 988 *Myiodioces Canadensis* (L) Aud. ♂ May 25/76.
H. T. 5 1/4, 8 7/16, 2 1/4, 2 1/4.
Iris brown. Bill with its maxilla black, mandible horn-color. Legs & feet yellowish.
- 989 *Dendroica caerulescens* (L) Bd. ♂ May 18
H. T. 5 7/16, 8 1/4, 2 1/4, 2.
Iris brown. Bill, legs & feet brownish black.
- 990 *Dendroica caerulescens* (L) Bd. ♀ May 16/76.
H. T. 5 1/4, 7 15/16, 2 1/4, 1 5/16.
Iris brown. Bill black. Legs & feet brown.
- 991 *Helminthophaga ruficapilla* (Vil) Bd. ♂ May 18.
H. T. 4 15/16, 7 3/4, 2 5/16, 1 15/16.
- 992 *Seiurus aurocapillus* (Sm) Nutt. ♂ May 26.
H. T. 6 3/16, 9 1/4, 3 3/16, 2 3/16.
Iris brown. Bill blackish, fleshy at base of mandible.
Legs & feet brown.

- No. 993. *Myiodiodes mitratus* (Sw.) Aud. ♂ May 17/76.
 5¹⁰/₁₆, 8⁹/₁₆, 2¹/₁₆, 2³/₁₆.
 Iris brown. Bill black. Legs & feet flesh-color.
- 994 *Helminthosus rufivorus* (Sw.) Bp. ♀ May 17.
 H. Falls. 5⁵/₁₆, 8⁷/₁₆, 2¹⁰/₁₆, 1¹⁵/₁₆.
 Iris brown. Bill with maxilla black, mandible flesh-color. Legs & feet flesh-color.
- 995 *Dendroica castanea* (Vils.) Bd. ♂ May 26.
 5³/₁₆, 9¹/₁₆, 2¹⁵/₁₆, 2³/₁₆.
 Iris brown. Bill black. Legs & feet brownish-black.
- 996 *Parula americana* (L.) Bp. ♂ May 18/76.
 H. Falls. 4¹³/₁₆, 7¹⁰/₁₆, 2¹/₁₆, 1¹²/₁₆.
 Iris brown. Bill with maxilla black, mandible yellow. Legs & feet deep brown.
- 997 *Dendroica maculosa* (Sw.) Bd. ♂ May 16.
 5⁴/₁₆, 7¹²/₁₆, 2¹/₁₆, 2.
 Iris brown. Bill black. Legs & feet brownish black.
- 998 *Dendroica caerulea* (L.) Bd. ♀ May 18.
 5⁴/₁₆, 7¹⁵/₁₆, 2⁸/₁₆, 2.
- 999 *Geothlypis trichas* (L.) Cab ♂ May 27/76.
 5¹⁰/₁₆, 7⁷/₁₆, 2⁴/₁₆, 2²/₁₆.
 Iris brown. Bill black. Legs & feet fleshy brown.
- 1000 *Geothlypis philadelphia* (Vils.) Bd. ♂ May 26, 1876.
 Highland Falls, N. Y. - When first seen, it flew from the edge of the woods, and alighted on a grassy knoll at a little distance, where it was shot.
 5¹⁰/₁₆, 8⁹/₁₆, 2¹/₁₆, 2³/₁₆. Bill above ¹/₁₆. Culmen ¹/₁₆.
 Tarsi ¹/₁₆. Middle toe & claw ¹/₁₆. Quills 2, 3, 1, 1.
 Iris deep brown. Bill with maxilla black, mandible horn-color. Legs & feet flesh-color.
- 1001 *Dendroica pennsylvanica* (L.) Bd. ♂ May 18.
 H. Falls. 5³/₁₆, 8³/₁₆, 2¹/₁₆, 2.
- 1002 *Helminthophaga ruficapilla* (Vils.) Bd. ♀ May 17.
 H. Falls. 4¹¹/₁₆, 7¹/₁₆, 2¹/₁₆, 1¹/₁₆.
 Iris brown.
 Bill blackish, yellow at base of mandible.
 Legs & feet dark brown.

- No. 1003. *Setophaga ruticilla* (L.) Sw. ♂ May 17, 1876.
 5⁴/₁₆, 7¹⁰/₁₆, 2¹/₁₆, 2¹/₁₆.
 Iris brown. Bill black. Legs & feet brownish-black.
- 1004 *Seiurus auricapillus* (L.) Sw. ♀ May 17, 1876.
 H. Falls. 6, 9¹/₁₆, 3, 2¹/₁₆.
 Iris brown. Bill with maxilla brownish black, mandible, legs & feet, brownish flesh-color.
- 1005 *Dendroica blackburniae* (Sw.) Bd. ♂ May 17.
 H. Falls. 5⁷/₁₆, 8⁸/₁₆, 2¹/₁₆, 2.
 Iris brown. Bill black, horn-color at base of mandible. Legs & feet dark brown.
- 1006 *Dendroica blackburniae* (Sw.) Bd. ♂ May 17.
 H. Falls. 5⁷/₁₆, 8⁸/₁₆, 2¹/₁₆, 2.
- 1007 *Mniotilta varia* (L.) V. ♀ May 26, 1876. H.F.
 5⁴/₁₆, 8⁴/₁₆, 2¹⁰/₁₆, 2¹/₁₆.
 Irides dark. Bill & feet blackish.
- 1008 *Dendroica blackburniae* ♀ May 18, 1876 H.F.
 5⁵/₁₆, 8²/₁₆, 2¹⁰/₁₆, 1¹⁵/₁₆.
 Iris brown. Bill black, shading into horn-color at base of mandible. Legs & feet dark brown.
- 1009 *Dendroica blackburniae* (Sw.) Bd. ♂ May 13.
 5³/₁₆, 8¹⁰/₁₆, 2¹⁰/₁₆, 2.
- 1010 *Dendroica castanea* (Vils.) Bd. ♂ May 26/76.
 H.F. 5³/₁₆, 9¹/₁₆, 2¹/₁₆, 2¹/₁₆.
 Iris brown. Bill black. Legs & feet brownish-black.
- 1011 *Dendroica castanea* (Vils.) Bd. ♀ May 26/76.
 H.F. 5⁴/₁₆, 8¹⁰/₁₆, 2¹/₁₆, 1¹⁵/₁₆.
 Iris brown. Bill blackish. Legs & feet lead-color.
- 1012 *Dendroica maculosa* (Sw.) Bd. ♂ May 16/76.
 H.F. 5³/₁₆, 7¹/₁₆, 2⁵/₁₆, 2.
 Iris brown. Bill black. Legs & feet brownish-black.
- 1013 *Dendroica striata* (Sw.) Bd. ♂ May 26/76.
 H.F. 5¹²/₁₆, 9⁴/₁₆, 3⁷/₁₆, 2¹/₁₆.
- 1014 *Dendroica maculosa* (Sw.) Bd. ♂ May 17, 1876.
 H.F. 5²/₁₆, 7¹⁰/₁₆, 2¹/₁₆, 2. Iris brown. Bill black.
 Legs & feet brownish-black.

- No. 1015. *Dendroica blackburniae* (Am.) Bd. ♂. May 17.
H.F. 5³/₁₆, 8¹/₁₆, 2¹²/₁₆, 2¹/₁₆.
Iris brown. Bill black, horn-color at base of mandible. Legs & feet brownish-black.
- 1016. *Myiodiectes Canadensis* (L.) Aud. ♂. May 23.
Long Pond, Orange Co. N. Y.
- 1017 *Dendroica maculosa* (Am.) Bd. ♂ May 16.
H.F. 5⁴/₁₆, 7¹²/₁₆, 2⁶/₁₆, 2.
Iris brown. Bill black, bluish at base of mandible. Legs brownish-black.
- 1018 *Dendroica blackburniae* (Am.) Bd. ♂ May 16.
Iris brown. Bill black, shading into horn-color at base of mandible, and ^{sides of bill} along ^{entire} sides of bill. Legs & feet dark brown. 5³/₁₆, 8¹/₁₆, 2¹⁰/₁₆, 1⁹/₁₆.
- 1019 *Geothlypis trichas* (L.) Cob. ♂ May 17, 1876.
H.F. 5⁴/₁₆, 7³/₁₆, 2³/₁₆, 2.
Iris brown. Bill blackish. Legs & feet brown.
- 1020 *Dendroica virens* (Am.) Bd. ♂. May 16/76.
H.F. 5⁴/₁₆, 8¹/₁₆, 2³/₁₆, 1⁹/₁₆.
Iris brown. Bill black. Legs & feet brownish-black.
- 1021 *Seiurus auricapillus* (L.) Sw. ♀ May 12.
- 1022 *Dendroica castanea* (Mls.) Bd. ♂. May 25.
H.F. 5⁴/₁₆, 7⁴/₁₆, 3, 2³/₁₆.
Iris brown. Bill black. Legs & feet brownish-black.
- 1023 *Myiodiectes Canadensis* (L.) Aud. ♂. May 26.
H.F. 5⁸/₁₆, 7¹⁵/₁₆, 2⁸/₁₆, 2³/₁₆.
Iris brown. Bill with maxilla black mandible horn-color. Legs & feet yellow.
- 1024 *Dendroica maculosa* (Am.) Bd. ♂ May 17.
H.F. 5³/₁₆, 7¹⁰/₁₆, 2⁴/₁₆, 2.
Iris brown. Bill black. Legs & feet brownish-black.
- 1025 *Myiodiectes Mitratus* (Am.) Aud. ♂ May 18
Highland Falls, Orange Co. N. Y.
5¹²/₁₆, 8⁵/₁₆, 2¹¹/₁₆, 2³/₁₆.
Bill black. Iris brown
Legs & feet flesh-color.

- No. 1026 *Dendroica striata* (Forst.) Bd. ♂. May 23, 1876
H.F. 5³/₁₆, 7⁸/₁₆, 3, 2³/₁₆
- 1027 *Dendroica castanea* (Mls.) Bd. May 23, 1876
H.F. 5¹⁰/₁₆, 8¹⁵/₁₆, 2¹⁴/₁₆, 2¹/₁₆.
Iris brown. Bill blackish. Legs & feet brownish-black.
- 1028 *Dendroica castanea* (Mls.) Bd. ♂. May 22, 1876
H.F. 5¹⁰/₁₆, 8¹⁵/₁₆, 2¹⁴/₁₆, 2¹/₁₆.
Iris brown. Bill black. Legs & feet brownish-black.
- 1029 *Dendroica Castanea* (Mls.) Bd. ♂ May 26, 1876.
H.F. 5⁹/₁₆, 7¹/₁₆, 2¹⁵/₁₆, 2³/₁₆.
Iris brown. Bill black. Legs & feet brownish-black.
- 1030 *Dendroica Castanea* (Mls.) Bd. ♂. May 22, 1876.
H.F. 5¹²/₁₆, 9³/₁₆, 3, 2³/₁₆.
Iris brown. Bill black. Legs & feet brownish-black.
- 1031 *Dendroica Castanea* (Mls.) Bd. ♀. May 25, 1876.
H.F. 5¹⁰/₁₆, 8¹⁵/₁₆, 2¹⁴/₁₆, 2.
Iris brown. Bill blackish. Legs & feet bluish.
- 1032 *Icteria virens* (L.) Bd. ♂ May 23, 1876
Long Pond, Orange Co. N. Y.
7⁸/₁₆, 10³/₁₆, 3¹/₁₆, 1³/₁₆.
Iris brown. Bill black. Legs & feet lead-color.
- 1033 *Helminthorus vermivorus* (Am.) Bp. ♂ May 23.
H.F. 5¹⁰/₁₆, 7, 2¹⁴/₁₆, 2¹/₁₆.
Iris brown. Bill with maxilla blackish, mandible, legs & feet flesh-color.
- 1034 *Myiodiectes Canadensis* (L.) Aud. ♂ May 23.
Orange Co. N. Y. 5¹⁰/₁₆, 8, 2⁸/₁₆, 2³/₁₆.
Iris brown. Bill with maxilla black mandible horn-color. Legs & feet ^{light yellow} ~~light color~~.
- 1035. *Dendroica pennsylvanica* (L.) Bd. ♀ May 22.
H.F. 5⁵/₁₆, 7¹⁴/₁₆, 2⁷/₁₆, 2.
Iris brown. Bill with maxilla black mandible horn-color. Legs & feet light yellow.
- 1036 *Dendroica blackburniae* (Am.) Bd. ♀. May 23
H.F.
- 1037 *Dendroica blackburniae* (Am.) Bd. ♂ May 18.
H.F. 5^{2 1/2}/₁₆, 8⁵/₁₆, 2¹²/₁₆, 1¹⁴/₁₆.
Iris brown. Bill black, shading into horn-color at base of mandible. Legs & feet deep brown.

- No. 1038 *Sturnus arvicapillus* (L.) Sw ♂ May 16.
H.F. 6 5/16, 10, 3 1/2, 2 1/16
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 13/16, 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* (Mls.) Bd ♂ May 20.
H.F. 5 13/16, 9 1/16, 2 15/16, 2 3/16.
Iris dark brown. Bill black. Legs brownish black.
- 1043 *Dendroica blackburniae* (Am.) Bd ♂ May 23.
H.F. 5 1/16, 8 1/16, 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 7/16, 2 7/16, 1 5/16.
Iris brown. Bill black. Legs & feet brownish-black.
- 1046 *Dendroica aestiva* (Am.) Bd ♂ May 12, 1876 H.F.
- 1047 " *Castanea* (Mls.) Bd ♂ May 25, 1876.
- 1048 " " (Mls.) Bd ♂ " 25, 1876
- 1049 *Myiodiectes Canadensis* (L.) Aud. ♂ May 25.
H.F. 5 1/16, 8 7/16, 2 10/16, 2 1/16.
Iris brown. Bill with maxilla black,
mandible horn-color. Legs & feet brownish-yellow.
- 1050 *Dendroica carolinensis* (L.) Bd ♂ May 20
- 1051 " *Castanea* (Mls.) Bd ♂ May 25.
- 1052 " *striata* (Forst.) Bd ♀ May 23.
H.F. 5 1/16, 7, 2 13/16, 2 1/16.
- 1053 *Myiodiectes Canadensis* (L.) Aud. ♂ May 18
H.F. 5 10/16, 8, 2 1/16, 2 1/16.

- No. 1054 *Dendroica Blackburniae* (Am.) Bd ♂ May 18, 1876
H.F. 5 3/16, 8 7/16, 2 11/16, 1 13/16.
Iris brown. Bill black. Legs & feet dark brown.
- 1055 *Myiodiectes Canadensis* (L.) Aud. ♂ May 23.
H.F. 5 1/16, 8 1/16, 2 1/16, 2 1/16.
Iris brown. Bill with maxilla and tip blackish,
mandible fleshy.
- 1056 *Setophaga ruticilla* (L.) Sw ♂ May 26/76
H.F. 5 3/16, 8, 2 10/16, 2 5/16.
- 1057 *Dendroica striata* (Forst.) Bd ♂ May 25/76.
H.F. 5 1/16, 9 1/16, 3, 2 3/16.
Iris brown. Bill black. Legs & feet yellow.
- 1058 *Dendroica maculosa* (Am.) Bd ♀ May 25.
H.F. 5, 7 1/16, 2 5/16, 1 1/16.
Iris brown. Bill black. Legs & feet brownish-black.
- 1059 *Dendroica blackburniae* (Am.) Bd ♂ May 23/76
H.F. 5 1/16, 8 7/16, 2 1/16, 2.
Iris brown. Bill blackish, horn-color at base of
mandible, legs & feet dark brown.
- 1060 *Myiodiectes mitratus* (Am.) Aud. ♂ May 17/76.
H.F. 5 10/16, 8 1/16, 2 11/16, 2 1/16
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* (Am.) Bd ♀ May 25.
- 1063 *Sturnus noveboracensis* (Am.) Nutt. ♂ May 25.
6 3/16, 9 7/16, 3, 2 3/16.
- 1064 *Geothlypis trichas* (L.) Cap. ♀ May 19, 1876.
- 1065 *Myiodiectes mitratus* (Am.) Aud. ♂ May 17/76
H.F. 5 9/16, 8 5/16, 2 11/16, 2 1/16.
Iris brown. Bill black. Legs & feet flesh-color.
- 1066 *Sturnus noveboracensis* (Am.) Nutt. ♂ May 13.
H.F. 5 13/16, 9 5/16, 3, 2 1/16.
- 1067 *Dendroica Castanea* (Mls.) Bd ♂ May 25
Fughtland Falls, Orange Co. N. Y.

- No. 1068 *Seiurus ludovicianus* (W. B.) ♀ May 18, 1876.
H. T. 6 3/4, 10 3/4, 3 3/4, 2 1/4.
- 1069 *Helminthophaga vorivorus* (Sw.) ♂ May 13/76.
H. T. 5 1/4, 7, 2 1/4, 2 1/4.
Iris brown. Bill above brownish black, mandible leg & feet flesh color
- 1070 *Dendroica castanea* (Vils.) Bd. ♀ May 26, 1876.
H. T. 5 1/4, 8 13/16, 2 1/4, 2 3/4.
Iris brown. Bill blackish. Legs & feet brownish black.
- 1071 *Seiurus auricapillus* (L.) Sw. ♂ May 5, 1876.
H. T. 6 3/4, 9 15/16, 3 1 1/2, 2 3/4.
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 7/16.
- 1073 *Miniotilta varia* (L.) O. ♂ May 5, 1876.
H. T. 5 3/4, 8 3/4, 2 3/4, 2.
- 1074 *Helminthophaga ruficapilla* (Vils.) Bd. ♂ May 8.
H. T. 4 13/16, 7 5/16, 2 13/16, 1 13/16.
- 1075 *Parula americana* (L.) B. ♂ May 8, 1876.
H. T. 4 15/16, 7 1/16, 2 5/16, 1 13/16.
- 1076 *Dendroica blackburniae* (Sw.) Bd. ♂ May 9.
H. T. 5 3/4, 8 3/4, 2 3/4, 2, Tarsi 11 1/2/16.
Iris brown. Bill black, bluish at base of mandible. Legs & feet dark brown.
- 1077 *Dendroica palmarum* (Sw.) Bd. ♀ May 5.
H. T. 5 3/4, 8 3/4, 2 5/4, 2 1/4.
- 1078 *Setophaga ruticilla* (L.) Sw. ♂ May 8, 1876.
H. T. 5 3/4, 7 13/16, 2 3/4, 2 1/4.
Iris dark. Bill black. Legs & feet very dark brown.
- 1079 *Dendroica virens* (Sw.) Bd. ♂ May 1.
H. T. 5 3/4, 7 10/16, 2 7/16, 2.
Iris brown. Bill & feet black.
- 1080 *Dendroica coronata* (L.) ♂ ♀ May 3.
H. T. 5 3/4, 8 14/16, 2 13/16, 2 5/16.
Iris brown, Bill & feet black.

- No. 1081 *Dendroica coronata* (L.) ♂ ♀ May 8, 1876.
5 13/16, 9 3/16, 3, 2 5/16.
- 1082 *Dendroica palmarum* (Sw.) Bd. ♀ May 3.
5 7/16, 8 3/16, 2 8 13/16, 2 2/16.
Iris brown. Bill blackish. Legs dark brown
- 1083 *Miniotilta varia* (L.) O. ♂ May 4, 1876. H. T.
5 3/4, 8 13/16, 2 14/16, 2 1/4.
Irides dark brown. Bill blue-black. Legs and feet brownish-black.
- 1084 *Myioidictes mitratus* (Sw.) And. ♂ May 8, 1876.
5 1 1/4, 8 3/4, 2 13/16, 2 5/16.
- 1085 *Helminthophaga ruficapilla* (Vils.) Bd. ♂ May 6.
5, 7 11/16, 2 7/16, 1 15/16.
- 1086 *Dendroica virens* (Sw.) Bd. ♂ May 6, 1876.
5 5/16, 8 3/16, 2 5/16, 2.
- 1087 *Dendroica caerulescens* (L.) Bd. ♂ May 9.
5 5/16, 8 3/16, 2 9/16, 2 3/4.
Irides dark brown. Bill black. Legs & feet dark brown.
- 1088 *Helminthophaga ruficapilla* (Vils.) Bd. ♂ May 6.
5 1/16, 7 11/16, 2 5/16, 1 15/16.
- 1089 *Dendroica maculosa* (Sw.) Bd. ♂ May 16, 1876.
5 2/16, 7 1/16, 2 7/16, 2.
Iris brown. Bill blue-black. Legs & feet lead-color.
- 1090 *Helminthophaga ruficapilla* (Vils.) Bd. ♂ May 8.
4 13/16, 7 13/16, 2 7/16, 1 4/16.
- 1091 *Dendroica virens* (Sw.) Bd. ♂ May 9, 1876.
5 2/16, 7 13/16, 2 5/16, 2 1/4.
Iris dark brown. Bill black. Legs dark brown
- 1092 *Seiurus auricapillus* (L.) Sw. ♂ May 8.
6 3/4, 10 1/4, 3 3/4, 2 8/16.
- 1093 *Dendroica caerulescens* (L.) Bd. ♂ May 9, 1876.
5 5/16, 8 5/16, 2 11/16, 2 3/16. Tarsi 11.
Irides dark. Bill black. Feet brown
- 1094 *Dendroica virens* (Sw.) Bd. ♂ May 9, 1876.
5 2/16, 7 13/16, 2 5/16, 2 1/16.
Irides, legs, & feet dark brown
Bill black

- No. 1095. *Helminthorus vermivorus* (Em) (Sp.) ♂ May 12.
5 12/16, 8 14/16, 2 13 1/2/16, 2 1/16.
- 1096. *Dendroica caerulescens* (L.) (Pd.) ♀ May 12.
5 2/16, 7 1/16, 2 4/16, 1 15/16.
- 1097. *Dendroica castanea* (Ml.) (Pd.) ♂ May 16.
5 8/16, 9, 2 15/16, 2 3/16.
Iris brown. Bill blackish. Feet lead-color.
- 1098. *Troglodytes trichas* (L.) (Cot.) ♂ May 9.
5 9/16, 7 3/16, 2 3/16, 2 1/16.
Iris brown. Bill blackish. Legs & feet flesh-color.
- 1099. *Dendroica blackburniae* (Em) (Pd.) ♂ May 16.
5 4/16, 8 7/16, 2 13/16, 2.
Iris brown. Bill blackish. Legs very dark brown.
- 1100. *Dendroica caerulescens* (L.) (Pd.) ♀ May 16.
5 3/16, 1 8/16, 2 7/16, 2 1/16.
- 1101. *Dendroica blackburniae* (Em) (Pd.) ♂ May 16.
5 4/16, 8 7/16, 2 12/16, 2.
- 1102. *Helminthorus vermivorus* (Em) (Sp.) ♂ May 9.
5 7/16, 8 10/16, 2 13/16, 2. Tarsi 10 1/16.
Irides dark. Bill brownish flesh-color.
Legs & feet flesh-color.
- 1103. *Dendroica blackburniae* (Em) (Pd.) ♂ May 16.
5 3/16, 8 3/16, 2 12/16, 1 5/16.
Iris brown. Bill blackish. Feet very dark brown.
- 1104. *Dendroica coronata* (L.) (Dr.) ♀ May 16.
5 7/16, 8 8/16, 2 10/16, 2 1/16.
- 1105. *Troglodytes trichas* (L.) (Cot.) ♀ May 16.
5 2/16, 7, 2 15/16, 1 4/16.
Iris brown. Bill dusky. Legs & feet fleshy.
- 1106. *Helminthorus vermivorus* (Em) (Sp.) ♂ May 16.
5 8/16, 8 1/16, 2 12/16, 2 1/16.
Bill blackish above; mandible, legs & feet flesh-color.
- 1107. *Myiarchus cinerascens* (Em) (Aud.) ♂ May 13.
5 13/16, 8 10/16, 2 12/16, 2 7/16.
- 1108. *Dendroica blackburniae* (Em) (Pd.) ♂ May 16.
5 5/16, 8 9/16, 2 12/16, 2.

- No. 1109. *Myiarchus cinerascens* (Em) (Aud.) ♂ May 16.
5 12/16, 8 4/16, 2 10/16, 2 9/16.
Iris brown. Bill with maxilla blackish, mandible horn-color. Legs yellow.
- 1110. *Spinus ludovicianus* (W.) (Sp.) ♀ May 13.
6 9/16, 10 4/16, 3 2/16, 2 2/16.
- 1111. *Vireo solitarius* (Ml.) (V.) ♀ May 11. 1876 H.H.
1112. *Sayornis fuscus* (Em) (Pd.) ♂ May 16. 1876 H.H.
- 1113. *Spizella socialis* (Ml.) (Sp.) ♀ May 8. 1876 H.H.
5 5/16, 8 13/16, 2 13/16, 2 5/16.
- 1114. *Troglodytes aedon* (V.) ♂ May 2. 1876 H.H.
5 1/16, 6 12/16, 2 1 1/16.
Iris, legs, and feet brown. Bill with maxilla and tip black, the rest horn-color.
- 1115. *Sialia sialis* (L.) (Haldeman) ♂ May 25. 1876 H.H.
May 25. 1876. H. Falls. 6, 11 4/16.
- 1116. *Spizella pusilla* (Ml.) (Sp.) ♀ May 27. 1876 H.H.
2 12/16, 8 2/16, 2 7/16, 2 7/16. Iris, bill, and feet brown.
- 1117. *Vireo solitarius* (Ml.) (V.) ♂ May 9. 1876 H.H.
5 8/16, 9 5/16, 2 5/16, 2 1/16. Tarsi 11 13/16.
Iris hazel. Bill blue-black. Legs and feet lead-color.
- 1118. *Spizella socialis* (Ml.) (Sp.) ♂ May 1. 1876 H.H.
5 9/16, 8 10/16, 2 11/16, 2 4/16.
Iris brown. Bill black. Legs brown.
- 1119. *Vireo flavifrons* (V.) ♂ May 22. 1876 H.H.
6, 9 13/16, 3 2/16, 2 1/16.
Iris hazel. Bill blue black. Legs and feet lead-color.
- 1120. *Chrysomitris tristis* (C.) (Sp.) ♂ May 2. 1876 H.H.
5 15/16, 9 1/16, 2 15/16, 2 2/16.
Iris brown. Bill horn-yellow, tip dusky. Legs & feet brown.
- 1121. *Chrysomitris tristis* (C.) (Sp.) ♂ May 2. 1876 H.H.
4 11/16, 8 4/16, 2 7/16, 1 13/16. Iris brown.
Bill yellow, dusky at tip. Legs brown.

- 1122. *Empidonax flaviventris* Bd. ♀ May 23.
5¹³/₁₆, 8¹⁴/₁₆, 2^{11 1/2}/₁₆, 2⁹/₁₆.
Iris brown. Bill with maxilla blackish,
mandible yellow. Legs and feet black.
- 1123. *Troglodytes aedon* W. ♂ May 18. 1876.
(*Selmatodytes palustris* (Vils) Cab. Conn. Id.)
- 1124. *Passer domesticus* Lin. ♀ May 26. 1876
6⁸/₁₆, 9¹¹/₁₆, 3, 2⁹/₁₆.
Iris, legs, and feet dark brown. Bill,
with maxilla blackish, mandible
horn-color.
- 1125. *Troglodytes aedon* V. ♂ May 23. 1876
5³/₁₆, 6¹³/₁₆, 2, 1¹³/₁₆.
Iris brown. Tip of bill, and maxilla black, the
rest horn-color. Legs & feet brown.
- 1126. *Mniotilta carolinensis* G. ♂ May 8. 1876
8¹⁴/₁₆, 11⁷/₁₆, 3⁷/₁₆, 3¹¹/₁₆.
- 1127. *Antrostomus vociferans* (Vils) G. ♀ May 12. 1876.
9⁹/₁₆, 18³/₁₆, 5¹⁴/₁₆, 4⁷/₁₆.
Iris very dark. Bill blackish. Legs reddish-brown.
- 1128. *Troglodytes macularius* (L.) ♂ May 23. 1876.
7⁹/₁₆, 13⁵/₁₆, 4¹¹/₁₆, 2⁹/₁₆. Iris brown.
Bill yellowish, tip black. Legs and feet
muddy yellowish brown.
- 1129. *Turdus mustelinus* Sm. ♀ May 8. 1876.
Iris brown. 8³/₁₆, 13⁴/₁₆, 4³/₁₆, 2¹²/₁₆.
Bill black, fleshy at base. Legs & feet flesh-colored.
- 1130. *Turdus fuscescens* Steph. ♀ May 8. 1876.
7⁶/₁₆, 11⁷/₁₆, 3¹²/₁₆, 2¹³/₁₆. Iris brown.
Bill brown above, mandible flesh-color.
Legs and feet flesh-color.
- 1131. *Troglodytes macularius* (L.) ♂ May 30. 1876.
Seton's Point N.Y. 7¹¹/₁₆, 13⁴/₁₆, 4, 2¹¹/₁₆.
- 1132. *Colaptes auratus* (L.) ♂ May 5. 1876.
11¹³/₁₆, 20, 6¹¹/₁₆, 3¹⁴/₁₆. Iris dark red.
Bill bluish-black. Legs and feet lead-color.
Highland Falls, N.Y.

- 1833. *Icterus Baltimore* L. Dandridge. May 16. 1876
7¹²/₁₆, 12, 3¹¹/₁₆, 2⁴/₁₆. Iris dark.
Bill and feet lead-color.
- 1133. *Pyrranga rubra* (L.) ♀ May 23. 1876
16¹⁵/₁₆, 11¹⁵/₁₆, 3¹³/₁₆, 2¹²/₁₆. Iris brown.
Bill greenish horn-color. Legs & feet lead-color.
- 1134. *Turdus mustelinus* Sm. ♀ May 26. 1876
8³/₁₆, 13¹⁰/₁₆, 4⁷/₁₆, 3.
- 1135. *Empidonax minimus* Bk. ♀ May 23. 1876
5⁷/₁₆, 8³/₁₆, 2⁹/₁₆, 2⁴/₁₆.
Bill with maxilla black, mandible brownish.
Legs and feet black.
- 1136. *Empidonax minimus* Bk. ♀ May 22. 1876
5⁸/₁₆, 8, 2⁶/₁₆, 2⁹/₁₆.
Irides dark brown. Bill with maxilla black,
mandible yellowish brown. Legs and feet black.
- 1137. *Empidonax flaviventris* Bd. ♂ May 26. 1876.
5¹⁰/₁₆, 8¹¹/₁₆, 2¹²/₁₆, 2⁹/₁₆.
Bill with maxilla black, mandible yellow.
Legs and feet black.
- 1138. *Empidonax flaviventris* Bd. ♂ May 23. 1876
5¹¹/₁₆, 8¹³/₁₆, 2^{11 1/2}/₁₆, 2³/₁₆.
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.
5⁶/₁₆, 8²/₁₆, 2⁸/₁₆, 2⁴/₁₆.
- 1141. *Empidonax minimus* Bd. ♀ May 12. 1876.
5⁷/₁₆, 8⁶/₁₆, 2¹⁰/₁₆, 2⁹/₁₆.
- 1142. *Empidonax traillii* (Aud.) ♂ May 26. 1876
6, 9³/₁₆, 2¹⁴/₁₆, 2⁹/₁₆.
Iris brown. Bill with maxilla black, man-
dible yellow. Legs and feet black.
- 1143. *Empidonax traillii* (Aud.) ♂ May 27. 1876.
5⁴/₁₆, 7⁸/₁₆, 2¹¹/₁₆, 2⁹/₁₆.

1876

- No. 1144. *Empidonax minimus* (Bd.) ♂. May 8. 1876
 5⁸/₁₆, 8⁴/₁₆, 2⁸/₁₆, 2³/₁₆.
 Iris brown. Bill brownish black, with yellow
 on mandible. Legs black.
- 1145 *Empidonax flaviventris* (Bd.) ♂. May 23. 1876.
 Orange Co. N. Y. 5¹¹/₁₆, 8¹⁴/₁₆, 2¹²/₁₆, 2³/₁₆.
 Iris brown. Bill with maxilla black, mand-
 ible yellow. Legs black.
- 1146 *Ceryle alcyon* (L.) (Viz.) ♂. May 5. 1876.
 12¹³/₁₆, 22¹³/₁₆, 6¹⁰/₁₆, 2⁹/₁₆.
 Iris dark. Bill blue black. Legs brownish.
- 1147 *Pipilo erythrophthalmus* (L.) (V.) ♀. May 2. 1876.
 8¹/₁₆, 10²/₁₆, 3²/₁₆, 2⁸/₁₆. Iris red.
 Bill black. Legs brown.
1148. *Harporhynchus rufus* (L.) (Cab.) ♂. May 8. 1876.
 11⁸/₁₆, 13¹⁰/₁₆, 4³/₁₆, 5⁴/₁₆. Iris yellow.
 Bill with maxilla blackish, mandible
 horn-color. Legs fleshy brown.
- 1149 *Cyanurus cristatus* (L.) (Sw.) ♂. May 2. 1876.
 West Point N. Y. 11¹³/₁₆, 17⁶/₁₆, 5⁸/₁₆, 5⁵/₁₆.
 Irides brown. Bill and feet black.
- 1150 *Coccyzus erythrophthalmus* (L.) (V.) ♀. May 22.
 Iris hazel, Epelid red. Bill with maxilla
 blackish, mandible, legs and feet lead-color.
 11¹²/₁₆, 15¹¹/₁₆, 5³/₁₆, 6⁴/₁₆.
- 1151 *Zonotrichia albicollis* (Sm.) (Bp.) ♂. May 20. 1876
1152. *Agelaius phoeniceus* (L.) (V.) ♀. May 2. 1876
 Orange Co. N. Y. 8¹¹/₁₆, 12¹⁴/₁₆, 4²/₁₆, 3³/₁₆.
 Iris dark. Bill blue black. Feet black.
1153. *Turdus aliciae* (Bd.) (C.) ♀. May 25. 1876
 7¹⁰/₁₆, 12²/₁₆, 4³/₁₆, 2¹/₁₆.
 Iris brown. Bill black, flesh-color at base
 of mandible. Legs & feet dark brown.
1154. *Turdus callasi* (Cab.) ♀. May 9. 1876
 7¹/₁₆, 11²/₁₆, 3⁸/₁₆, 2¹¹/₁₆. Iris brown
 Bill black, flesh-color at base of mandible.
 Legs fleshy-brown.

1876

- No. 1155 *Pipilo erythrophthalmus* (L.) (V.) ♂. May 27. 1876
 8⁸/₁₆, 11¹⁰/₁₆, 2⁹/₁₆, 4¹/₁₆.
 Iris red. Bill black. Legs & feet fleshy brown.
- 1156 *Pipilo erythrophthalmus* (L.) (V.) ♂. May 5. 1876
 8¹¹/₁₆, 11¹¹/₁₆, 3⁷/₁₆, 3⁷/₁₆.
 Iris red. Bill black. Legs brownish flesh-color.
- 1157 *Agelaius phoeniceus* (L.) (V.) ♂. May 2. 1876.
 7⁷/₁₆, 15²/₁₆, 4¹/₁₆, 3¹/₁₆.
 Iris dark. Legs and Bill black.
- 1158 *Turdus fuscescens* (Steph.) ♀. May 26. 1876
 7⁵/₁₆, 11¹²/₁₆, 3¹¹/₁₆, 2¹⁰/₁₆.
 Iris brown. Bill blackish above, mandible
 flesh-color at base. Legs fleshy brown.
- 1159 *Turdus aliciae* (Bd.) (C.) ♂. May 25. 1876.
 7¹⁴/₁₆, 13²/₁₆, 4⁵/₁₆, 2²/₁₆. Iris brown.
 Bill black, flesh-color at base of mandible.
 Legs and feet dark brown.
- 1160 *Totanus solitarius* (Mils.) ♂. May 19. 1876
 8¹/₁₆, 19⁶/₁₆, 5³/₁₆, 2⁶/₁₆.
 Iris brown. Bill dead black. Legs greenish brown.
- 1161 *Agelaius phoeniceus* (L.) (V.) ♂. May 2. 1876.
 7⁸/₁₆, 15⁷/₁₆, 4¹/₁₆, 3¹/₁₆.
 Iris dark. Bill & legs black.
1162. *Turdus swainsoni* (Cab.) ♀. May 11. 1876.
 7⁷/₁₆, 12¹⁵/₁₆, 4³/₁₆, 3¹/₁₆.
1163. *Syrannus carolinensis* ♂. May 13. 1876.
- 1164 *Turdus swainsoni* (Cab.) ♂. May 13. 1876
- 1165 *Turdus swainsoni* (Cab.) ♂. May 25. 1876
 7⁷/₁₆, 12⁵/₁₆, 4¹/₁₆, 2¹⁴/₁₆.
 Iris brown. Bill black, flesh-color at base
 of mandible. Legs and feet light brown.
- 1166 *Agelaius phoeniceus* (L.) (V.) ♂. May 23. 1876
 19⁸/₁₆, 15⁸/₁₆, 5¹/₁₆, 2¹⁴/₁₆.
 Iris brown. Bill & feet black.

- No. 1167. *Carpodacus frontatus* (Sw.) ♂ May 3/76
6 1/16, 7 1/16, 3 1/16, 2 1/16.
Iris brown. Bill horn-color. Legs dark brown
- 1168 *Zonotrichia albicollis* (Sw.) ♂ May 2/1876
6 1/16, 9 1/16, 2 1/16, 2 1/16.
Iris brown. Bill blackish. Legs brown.
- 1169 *Pyrranga rubra* (L.) ♂ May 27. 1876.
7 5/16, 11 13/16, 3 1/16, 2 1/16.
Iris brown. Bill greenish horn-color
Legs and feet lead-color.
- 1170 *Zonotrichia ludoviciana* (Sw.) ♂ May 12.
8, 12 5/16, 3 13/16, 2 1/16.
- 1171 *Mniotilta cristata* (L.) ♂ May 13. 1876.
9 1/16, 13 1/16, 4 2/16, 2 1/16.
- 1172 *Pyrranga rubra* (L.) ♂ May 25. 1876.
7 5/16, 11 1/16, 3 1/16, 2 1/16.
Iris brown. Bill greenish horn-color.
Legs and feet lead-color.
- 1173 *Pyrranga rubra* (L.) ♀ May 15. 1876.
7 3/16, 11 1/16, 3 13/16, 2 1/16.
Iris brown. Bill greenish horn-color
Legs & feet lead-color
- 1174 *Pyrranga rubra* (L.) ♂ May 23. 1876.
7 5/16, 11 1/16, 3 13/16, 2 1/16. Iris brown
Bill greenish horn-color. Legs & feet lead-color.
- 1175. *Corvus spurius* (L.) ♂ May 23. 1876.
7 1/16, 10 3/16, 3 1/16, 2. Iris brown
Bill & legs blue-black.
- 1176 *Troglodytes macularius* (L.) ♀ May 23. 1876
Orange Co. N. Y. 8 2/16, 13 1/16, 4 1/16, 2 1/16.
Iris brown. Bill yellow, tip of maxilla blackish
Legs & feet yellowish brown
- 1177 *Zonotrichia leucophrys* (Forst.) ♂ May 23. 1876
Orange Co. N. Y. Tarsi 13 1/16. Middle toe
and its claw 13/16, 6 1/16, 9 1/16, 3 1/16, 2 1/16.
Iris brown. Bill brownish flesh-color
Legs & feet brown

- No. 1178 *Dolichonyx oryzivorus* (L.) ♂ May 23. 1876
Orange Co. N. Y. 7 1/16, 12 1/16, 3 1/16, 2 1/16.
Iris brown. Bill black. Legs & feet brown.
- 1179. *Icterus Baltimore* (L.) ♂ May 26. 1876
7 5/16, 11 5/16, 3 5/16, 2 13/16.
- 1180 *Petrochelidon lunifrons* (Say) ♂ May 23. 1876
Orange Co. N. Y. 5 1/16, 12 1/16, 4 5/16, 2 1/16.
- 1181 *Zonotrichia leucophrys* (Forst.) ♂ May 23. 1876
Orange Co. N. Y. Middle toe & its claw 13/16, Tarsi 13 1/16
6 1/16, 9 1/16, 3 1/16, 2 1/16
Iris brown. Bill brownish flesh-color. Legs brown
- 1182 *Pyrranga rubra* (L.) ♂ May 23. 1876
- 1183 *Pyrranga rubra* (L.) ♂ May 23. 1876
- 1184 *Pyrranga rubra* (L.) ♂ May 23. 1876
7 7/16, 12 2/16, 3 1/16, 2 1/16.
Iris brown. Bill greenish horn-color. Legs lead-color
- 1185 *Pyrranga rubra* (L.) ♂ May 23. 1876.
7 1/16, 12 2/16, 3 1/16, 2 1/16. Iris brown
Bill greenish horn-color. Legs & feet lead-color.
- 1186 *Pyrranga rubra* (L.) ♂ May 27. 1876,
7 3/16, 11 1/16, 3 1/16, 2 1/16. Iris brown
Bill greenish horn-color. Legs & feet lead-color.
- 1187. *Pyrranga rubra* (L.) ♂ May 16. 1876
6 1/16, 11 12/16, 3 1/16, 2 1/16. Iris brown
Bill horn-color. Legs & feet lead-color
- 1188 *Pyrranga rubra* (L.) ♀ May 23. 1876
7 1/16, 11 1/16, 3 1/16, 2 1/16. Iris brown.
Bill greenish horn-color. Legs & feet lead-color
- 1189 *Turdus Swainsoni* Cab. ♂ May 18. 1876
7 1/16, 12 1/16, 4 1/16, 2 1/16. Iris brown
Bill blackish, base of mandible flesh-color.
Legs & feet brownish flesh-color
- 1190 *Icterus Baltimore* (L.) ♂ May 11. 1876
7 1/16, 11 5/16, 3 1/16, 2 1/16,

- 1191 *Pyrranga rubra* L. V. ♂, May 23. 1876.
7³/₁₆, 12, 2¹/₁₆, 2¹/₁₆. Iris brown.
Bill greenish horn-color. Legs & feet lead-color.
- 1192 *Pyrranga rubra* L. V. ♂ May 23. 1876.
7³/₁₆, 12, 3¹⁵/₁₆, 2¹/₁₆. Iris brown.
Bill greenish horn-color. Legs & feet lead-color.
1193. *Pyrranga rubra* L. V. ♀ May 23. 1876.
7¹/₁₆, 11⁷/₁₆, 3⁷/₁₆, 2¹/₁₆. Iris brown.
Bill greenish horn-color. Legs & feet lead-color.
- 1194 *Turdus swainsoni* Cab. ♂ May 23. 1876.
7, 11⁵/₁₆, 2¹/₁₆, 2¹/₁₆. Iris brown.
Bill black, flesh-color at base of mandible. Leg and feet ~~from~~ light brown.
- 1195 *Agelaius phoeniceus* L. V. ♀ May 23. 1876.
Orange Co. N. Y. ♂, 12²/₁₆, 3¹⁴/₁₆, ~~3¹⁴/₁₆~~ 3²/₁₆.
Iris brown. Bill & feet blackish.
- 1196 *Vireo flavifrons* C. ♀ May 27. 1876
- 1197 *Geothlypis ludovicianus* (L.) Bowdich ♂
May 19. 1876. Highland Falls, N. Y.
- 1198 *Pyrranga rubra* L. V. ♂ May 23. 1876.
7¹/₁₆, 11²/₁₆, 3¹⁰/₁₆, 2¹/₁₆. Iris brown.
Bill greenish horn-color. Legs lead-color.
- 1199 *Pyrranga rubra* L. V. ♂ May 23. 1876.
7⁵/₁₆, 12²/₁₆, 3¹⁴/₁₆, 2¹/₁₆. Iris brown.
Bill greenish horn-color. Legs lead-color.
- 1200 *Pyrranga rubra* L. V. ♂ May 18. 1876.
- 1201 *Turdus fuscus* Steph ♂ May 5. 1876.
7⁷/₁₆, 12¹/₁₆, 4¹/₁₆, 2, Tarsi 1¹/₁₆. Mid toe & claw 1⁴/₁₆.
Iris brown. Bill horn-color at base and long culmen rest blackish. Legs & feet very dark brown.
- 1202 *Geothlypis ludovicianus* (L.) Bowdich ♀ May 19. 1876.
- 1203 do do do do ♂ May 19. 1876.
- 1204 *Icterus palmarum* (L.) D. andri ♂ May 16. 1876.
7¹²/₁₆, 12, 3¹¹/₁₆, 2¹⁴/₁₆.
Iris dark. Bill & feet lead-color.

- 1205 *Cotyle riparia* L. Poie ♂ May 23. 1876.
5³/₁₆, 10¹⁴/₁₆, 4, 2¹/₁₆. Iris dark brown.
Bill black. Legs brownish black.
- 1206 *Vireo solitarius* (Mils.) V. ♂. May 18. 1876.
5¹³/₁₆, 9¹/₁₆, 3, 2³/₁₆. Iris hazel.
Bill blue black. Legs & feet lead-color.
- 1207 *Vireo solitarius* (Mils.) V. ♂ May 9. 1876.
5¹²/₁₆, 9¹/₁₆, 3¹/₁₆, 2²/₁₆. Iris hazel.
Bill blue black. Legs & feet lead-color.
1208. *Vireo solitarius* (Mils.) V. ♂. May 11. 1876.
5¹¹/₁₆, 9⁵/₁₆, 2¹⁴/₁₆, 2²/₁₆. Iris hazel.
Bill blue black. Legs & feet lead-color.
- 1209 *Vireo solitarius* (Mils.) V. ♀ May 9. 1876.
5¹⁰/₁₆, 9¹/₁₆, 3, 2²/₁₆. Tarsi 1¹¹/₁₆.
Iris hazel. Bill blue black. Legs & feet lead-color.
- 1210 *Vireo flavifrons* V. ♀ May 12. 1876. H. T.
- 1211 do do do ♂ May 12. 1876.
6, 9¹/₁₆, 3²/₁₆, 2²/₁₆. Iris hazel.
Bill & feet lead-color.
- 1212 *Vireo flavifrons* V. ♂ May 8. 1876.
5¹⁵/₁₆, 10, 3³/₁₆, 2¹/₁₆. Iris hazel.
Bill blue black. Legs & feet lead-color.
1213. *Vireo gilvus* (V.) Bp. ♂. May 8. 1876.
5¹⁵/₁₆, 9⁴/₁₆, 3, 2³/₁₆. Iris brown.
Bill blue black. Legs lead-color.
- 1214 *Vireo gilvus* (V.) Bp. ♂ May 15. 1876.
5¹²/₁₆, 8¹⁵/₁₆, 2¹/₁₆, 2¹/₁₆. Iris hazel.
Bill blue black. Legs & feet lead-color.
- 1215 *Vireo gilvus* (V.) Bp. ♂ May 18. 1876.
5¹²/₁₆, 9³/₁₆, 2¹⁴/₁₆, 2¹/₁₆. Iris hazel.
Bill brownish black. Mandible horn-color.
Legs & feet lead-color.
- 1216 *Vireo flavifrons* L. V. ♂. May 22. 1876.
6⁷/₁₆, 10⁵/₁₆, 3²/₁₆, 2⁷/₁₆. Iris red.
Bill with maxilla blackish; mandible lead-color. Legs & feet lead-color.

1876

- No 1217 *Vireo noveboracensis* (Sw.) Bp. ♀ May 17, 1876.
 5 ⁵/₁₆, 8, 2 ⁵/₁₆, 2. Iris white
 Bill blue black. Legs & feet lead-color
- 1218 *Cyanospiza cyanea* (L.) Bd. ♂ May 22, 1876.
 5 ¹/₁₆, 8 ¹/₁₆, 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 ¹²/₁₆, 2 ⁶/₁₆, 2 ⁶/₁₆.
 Irides dark. Bill & feet black.
- 1221 *Troglodytes aedon* (L.) ♂ May 3, 1876.
 4 ⁵/₁₆, 7, 2, 1 ¹/₁₆. Iris brown
 Bill with tip & maxilla black, the rest
 horn-color. Legs brown.
- 1222 *Haliaeetus leucoccephalus* (L.) Savigny ♀.
 June 2, 1876. Iris straw yellow
 Bill & tarsal ~~membr.~~ yellow. Claws bluish
 black. 35 ⁸/₁₆, 89 ⁴/₁₆, 24, 12 ⁴/₁₆.
- 1223 *Myiodytes mitratus* (Sw.) Aud. ♀ June 7, 1876
 Shot from her nest, which contained four fresh eggs
- 1224 *Buteo pennsylvanicus* (Wils.) Bp. ♂ May 3, 1876
 H. T. 15 ¹/₁₆, 36 ¹/₁₆, 10 ¹³/₁₆, 6 ⁸/₁₆ Tarsi 1 ⁰/₁₆.
 Iris hazel. Cere greenish yellow. Legs and
 feet yellow. Bill blue black. Claws dead black.
- 1225 *Buteo Pennsylvanicus* (Wils.) Bp. ♀ May 5/76
 H. T. 17 ⁷/₁₆, 38 ⁴/₁₆, 11 ⁸/₁₆, 7 ¹/₁₆ Tarsi 1 ²/₁₆.
 Iris hazel. Bill blue black. Cere greenish yellow
 Legs yellow.
- 1226 *Accipiter cooperii* Bp. ♀ May 10, 1876
 N. T. Shot on nest containing 4 fresh
 eggs. 19 ¹³/₁₆, 35, 10 ³/₁₆, 8 ¹²/₁₆.
 Cere yellowish green. Legs & feet
 yellow. (Bill blue black.)
 Iris hazel. Stomach contained Ruffed
 Grouse (*Bonasa umbellus*).

1876

- No 1227 *Mniotilta varia* (L.) V. ♂ juv. July 26, 1876.
 H. T. 5 ¹²/₁₆, 8 ¹⁴/₁₆, 2 ¹³/₁₆, 2 ³/₁₆
 Iris dark brown. Bill dusky bluish. Tarsi lead-color.
 Tars yellowish; nails yellow.
- 1228 *Sciurus auricapillus* (L.) Sw. ♀ Aug 16, 1876.
 H. T. 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. ♂ juv. juv.
 August 17, 1876. Highland Lake, Rockland
 Co. N. Y. 16 ⁹/₁₆, 36 ¹³/₁₆, 11 ⁵/₁₆, 7.
 Bill blue-black. Iris hazel. Cere greenish
 yellow. Tarsi and toes yellow
- 1230 *Cortophas virens* (L.) Cab. ♀ juv. Aug 16, 1876
 6 ¹/₁₆, 10 ⁶/₁₆, 3 ⁵/₁₆, 2 ¹⁰/₁₆. Iris brown. Bill & feet black.
- 1231 *Cotyle riparia* (L.) Bai. ♂ (?) Aug 17. Consti-
 tution Id. Hudson River. 5 ¹/₁₆, 10 ²/₁₆, 4, 1 ⁵/₁₆.
 Irides brown. Bill & feet black
- 1232 *Haliaeetus leucoccephalus* (L.) Savigny ♀ ad.
 33 8 ¹/₁₆, 22, 11 ⁸/₁₆. Weight 18 lbs. (Nutcracker
 Co. N. Y. (Aug 17th))
 Iris yellow. Bill, cere, & legs yellow.
- 1234 *Icterus spurius* (L.) Bp. ♀ juv. Aug 21, 1876
 Constitution Id. Hudson River N. Y.
 7 ¹/₁₆, 19 ¹/₁₆, 3 ⁴/₁₆, 3. Iris brown. Bill with max-
 illa bluish black, mandible fleshy, shading into bluish at tip.
- 1245 *Icterus spurius* (L.) Bp. ♂ juv. Aug 21, 1876
 Constitution Id. Hudson River N. Y. Feet lead-color.
 7 ¹/₁₆, 10 ⁴/₁₆, 3 ⁴/₁₆, 2 ¹³/₁₆. (Rest the same as above)
- 1246 *Dolichonyx oryzivorus* (L.) Sw. ♂ ad. Aug 21, 1876
 Constitution Id. Hudson River, N. Y.
 7 ⁸/₁₆, 11 ⁸/₁₆, 3 ¹⁰/₁₆, 2 ¹/₁₆. Iris dark brown
 Bill brownish black flesh-color; tip of maxilla
 blackish. Legs brown.
- 1247 *Dolichonyx oryzivorus* (L.) Sw. ♂ Aug 21, 1876
 Constitution Id. Hudson River, N. Y.
 7 ⁵/₁₆, 11 ¹²/₁₆, 3 ¹²/₁₆, 2 ¹/₁₆. (Rest the same as above)

1876

- 1248 *Dolichonyx oryzivorus* (L. Sw. ♂ Aug 21, 1876.
7¹/₁₆, 11⁵/₁₆, 3¹/₁₆, 2¹/₁₆ Just the same as No. 1246.
- 1249 *Dolichonyx oryzivorus* (L. Sw. ♂ Aug 21, 1876.
7¹/₁₆, 12¹/₁₆, 3¹/₁₆, 2¹/₁₆. 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 drought 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 Shallows, Petrie's, Cedar Birds, Blue birds and Woodpeckers were, I saw in the open woods only the Wood Pewee & Chickadee, and the pretty 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 the 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 Sandpiper 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 belonged to the Great Blue Heron.

The Woodcock, and other wading birds have left their footprints, but not one single bird of any sort ~~was~~ visible at the time.

1876

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 drooping; 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 Sciurus novboracensis in a willow-tree, in the marsh beside Cousook Island. (P)

Saw the first Osprey (Fish Hawk) today.

September 13, 1876

The Petrie's are feeding almost exclusively on the persimmon berries.

I have seen none of the Turdus mus-
terinus nor of the L. fuscescens since the middle of August.

I saw the first Swainson's Thrushes yesterday (Sep 2) They were feeding on the pepperage berries, as are also the Colaptes.

The Brown Thrashers and Lowell 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 S. Carolinensis have been common since the first of August.

The House Wrens have probably returned South, and the Winter Wrens have not yet arrived from the North.

The Minivitta varia have been abundant during the whole summer, and are still plenty.

The first Parula Americana was shot in a willow tree on Consook 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 Consook Id. on the 11th. It was hopping about among the low bushes

by the river-side. I watched it a few moments, but it was quite mute. 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 dropped its plumage, and then, before I could shoot it, it flew away through the Cedars without a note. 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 Scenius noveboracensis have been rather common since the 1st of September.

I have seen no S. ludovicianus for a long while past.

The Myiodesctes Canadensis first seen on the 9th September.

I shot numbers 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 saw a Red-bellied Nuthatch yesterday Sep. 12.

List of Birds Seen (Sep 13th)

Procyon migratorius L.
Sturnus subansoni Cat.
Mimus carolinensis L. Dr.
Harporhynchus rufus L. Cat.
Sialia scalaris L. Haldeman
Parus atricapillus L.
Telmatorhynchus palustris (Vils.) Cat.
Mniotilta varia L. W.
Parula americana L. Bp.
Dendroica virens (Am.) Bd.
 caerulea (L.) Bd.
Seiurus noveboracensis (Am.) Nutt.
Geothlypis trichas L. Cat.
Setophaga ruticilla L. Sw.
Pyrranga rubra L. V.
Ampelis cedrorum (L.) Bd.
Turdus olivaceus L. V.
Carpodacus purpureus (Am.) Dr.
Spizella breweri (L.) Bp.
Troglodytes gramineus (Am.) Bcl.
Melospiza melodia (Vils.) Bd.
 " *lincolni* (Aud.) Bd.
 " *palustris* (Vils.) Bd.
Spizella socialis (Vils.) Bp.
 " *pusilla* (Vils.) Bp.
Passer domesticus Linn.
Pipilo erythrophthalmus L. V.
Agelaius phoeniceus L. V.
Corvus americanus Aud.
Cyanurus cristatus L. Sw.
Sayornis fuscus (Am.) Bd.
Cepterus virens L. Cat.
Antrostomus vociferus (Vils.) Bp.
Chordeiles virginianus (Bris.) Bp.
Chaetura pelagica L. Steph.
Trochilus colubris L.

Ceryle alcyon L. Boie.
Chapuis armatus L. Sw.
Ceophaga migratoria L. Sw.
Grasa umbellus L. Steph.
Totanus solitarius (Vils.)
Ardea herodias L.

I shot a *Passerculus savanna*
Melospiza lincolni (Aud.) L.
 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. Dr.
Troglodytes aedon V.
Telmatorhynchus palustris (Vils.) Cat.
Mniotilta varia L. V.
Parula americana L. Bp. (Very abundant)
Dendroica pennsylvanica L. Bd. (Young)
Seiurus noveboracensis (Am.) Nutt.
Setophaga ruticilla L. Sw.
Pyrranga rubra L. V.
Pipilo erythrophthalmus L. V.

September 15. (Birds Seen.)

Contopus borealis
Chordeiles virginianus (Bris.) Bp.
Seiurus noveboracensis (Am.) Nutt.

Sep. 16. (Birds Seen)

Sturnus mustelinus Linn.
Harporhynchus rufus L. Cat.
Mniotilta varia L. W.
Parula americana L. Bp.
Dendroica virens (Am.) Bd.
 " *striata*

- Pipilo erythrophthalmus* (L.) G.
- Corvus americanus* Aud.
- Yungipicus castus* (L.) Sw.
- Geothlypis trichas* (L.) Sw.
- Empidonax griseus* (L.) Sw.
- Parus tuberosus* L.
- Salpinctes obsoletus* (L.) Sw.
- Catalpa baccata* (L.) Sw.
- Colaptes auratus* (L.) Sw.
- Geothlypis trichas* (L.) Sw.
- Parus umbellus* (L.) Steph.
- Troglodytes aedon* (L.) Sw.

October 8th 1876

- 1 *Turdus migratorius* L. Abundant; fed on the berries of the dog-wood and ^{perage} ~~perage~~.
- 5 *Turdus swainsoni* Cab. do.
- 9 *Mimus carolinensis* (L.) Sw. Still present.
- 10 *Geothlypis trichas* (L.) Sw. do
- 16 *Sialia sialis* (L.) Gmelin
- 21 *Regulus calendula* (L.) Licht.
- 22 *Regulus satrapa* Licht.
- 31 *Parus atricapillus* L.
- 42 *Certhia familiaris* G.
- 38 *Sitta carolinensis* Gm.
- 50 *Spizella socialis* (Vill.) G. Exceedingly abundant.
- 58 *Parula americana* (L.) Sw.
- 71 *Dendroica virens* (L.) Sw.
- 76 *Dendroica caerulescens* (L.) Sw.
- 78 *Dendroica coronata* (L.) Sw.
- 107 *Pyranga rubra* (L.) Sw.
- 139 *Cardinalis purpureus* (L.) Sw.
- 149 *Chondestes tristis* (L.) Sw.
- 169 *Melospiza melodia* (Vill.) Sw.
- 174 *Junco hyemalis* (L.) Sw.
- 179 *Spizella pusilla* (Vill.) Sw.

- 182 *Zonotrichia albicollis* (Gm.) Sw.
- 187 *Passer domesticus* Linn
- 204 *Pipilo erythrophthalmus* (L.) Sw.
- 228 *Corvus americanus* Aud.
- 234 *Cyanurus cristatus* (L.) Sw.
- 252 *Zayornis fuscus* (L.) Sw.
- 286 *Ceryle alcyon* (L.) Sw.
- 299 *Picus pubescens* L.
- 309 *Salpinctes obsoletus* (L.) Sw. very abundant.
- 312 *Colaptes auratus* (L.) Sw. abundant.
- 318 *Geopelia striata* (L.) Sw. seen
- 344 *Halcyon columbaria* L. seen
- 385 *Parus umbellus* (L.) Steph.
- 412 *Philohela minor* (Gm.) Sw.

I leave for Philadelphia to-night, and most of the migrating species will have passed through by the time I will have returned.

October 14th (14)

I took a walk in the woods to-day, and quite contrary to my expectations I found that several of our more delicate ^{warblers} ~~warblers~~ still 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 occurred to me that if myself left the alternative I should certainly choose to live my life with only one leg, than not at all; so I ~~released~~ ^{released} it sprung my hand and away it flew uttering notes that if not indicative of joy, certainly indicated pleasure at being freed to fly again and at having its grievous suffering party relieved.

List of Birds Seen

Turdus swainsoni Cab.
Sialia sialis (L.) Waldman
Regulus calendula (L.) Licht.
Regulus satrapa Licht.
Parus atricapillus L.
Sitta carolinensis Em.
Certhia familiaris L.
Anorthura hiemalis (Vils.) Es.
Minotilta varia (L.) W.
Dendroica virens (Em.) B.D.
Dendroica caerulescens (L.) B.D.
Dendroica coronata (L.) W.
Dendroica striata (Forst.) B.D.
Coereba purpureus (Em.) W.
Junco hyemalis (L.) Scl.
Spizella socialis (Vils.) G.
Zonotrichia albicollis
Casus domesticus L.
Corvus americanus Aud.
Cyanurus cristatus (L.) Sw.
Ceryle alcyon (L.) Bon.
Picus pubescens L.
Spizella socialis (L.) B.D.

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; and in the fields ~~of~~ grown up with laurel and ~~larch~~ ~~from~~ 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 frightened 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 the ^{the} 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, Notchbills and Born. 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 vivacious and vivacious than ever, flying among the apple branches and striking down large hills of snow over themselves, 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 pallasi Cab.
- Sialia sialis (L.) Haldeman
- Regulus calendula (L.) Licht.
- Regulus satrapa Licht.
- Parus atricapillus L.
- Sitta carolinensis Sw.
- & Anorthura hyemalis (Vils.) Es.
- Dendroica virens Em. Bd.
- Dendroica caerulescens (L.) Bd.
- Dendroica coronata (L.) Sw.
- Dendroica palmarum (Sw.) Bd.
- & Ampelis cedrorum (L.) Bd.
- Chrysomitris tristis (L.) Bp.
- Junco hyemalis (L.) Sel.
- Spizella socialis (Vils.) Bp.
- Spizella pusilla (Vils.) Bp.
- Zonotrichia albicollis (Em.) Bp.
- Passer domesticus Linn.
- Pipilo erythrophthalmus (L.)
- Corvus americanus Aud.
- Cyanurus cristatus (L.) Sw.
- Sayornis fuscus (Sw.) Bd.
- Picus pubescens L.
- Sphyrapicus varius (L.) Bd.
- Colinus solitarius Vll.

October 16th

- Turdus migratorius L.
- Turdus pallasi Cab.
- Turdus swainsoni Cab.
- Sialia sialis (L.) Haldeman
- Picus pubescens L.
- Sitta carolinensis Sw.
- Regulus calendula (L.) Licht.
- Regulus satrapa Licht.

- (One specimen ~~lost~~)
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- Troglodytes aedon V.
 - Verthia familiaris L.
 - Anorthura hyemalis (Vils.) Es.
 - Parula americana (L.) Bp.
 - Dendroica virens (Em.) Bd.
 - Dendroica caerulescens (L.) Bd.
 - Dendroica coronata (L.) Sw.
 - Tyrannus auricapillus (L.) Sw.
 - Chrysomitris tristis (L.) Bp.
 - Melospiza palustris (Vils.) Bd.
 - Melospiza melodia (Vils.) Bd.
 - Junco hyemalis (L.) Sel.
 - Spizella socialis (Vils.) Bp.
 - Zonotrichia albicollis (Em.) Bp.
 - Passer domesticus Linn.
 - Corvus americanus Aud.
 - Cyanurus cristatus (L.) Sw.
 - Picus pubescens L.
 - Sphyrapicus varius L.
 - Colaptes auratus (L.) Sw.
 - Tallmago wilsoni (Tamm.) Bp.

The Wilson's 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 moments afterward I shot two more in the same marsh, (at Consook 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.

Turdus migratorius L.
Turdus pallasi Cab.
Turdus swainsoni Cab.
Turdus aliciae (Bd.) Es.
Sialia sialis (L.) Haldeman
Regulus calendula (L.) Licht.
Regulus satrapa Licht.
Parus atricapillus L.
Certhia familiaris L.
Anorthura hyemalis (Vils.) Es.
Dendroica caerulescens (L.) Gr.
Dendroica coronata (L.) Gr.
Chrysomitris tristis (L.) Sp.
Melospiza melodia (Vils.) Bd.
Melospiza palustris (Vils.) Bd.
Spizella socialis (Vils.) Sp.
Spizella pusilla (Vils.) Sp.
Parotrichia albicollis (L.) Sp.
Caspar domesticus Linn.
Corvus americanus J. Aud.
Cyanurus cristatus (L.) Sw.
Tayornis fuscus (L.) Bd.
Picus pubescens L.
Agelaius phoeniceus (L.) Bd.
Salticco wilsoni (Temm.) Sp.

There was a single Wilson's Snipe on the salt marsh. I shot it but could not find it.

October 18th.

Turdus migratorius L.
Turdus pallasi Cab.
Turdus aliciae (Bd.) Es.
Sialia sialis (L.) Haldeman
Regulus calendula (L.) Licht.
Regulus satrapa Licht.

Parus atricapillus L.
Sitta carolinensis Sm.
Anorthura hyemalis (Vils.) Es.
Parula americana (L.) Sp.
Dendroica coronata (L.) Gr.
Carpodacus purpureus (L.) Gr.
Chrysomitris tristis (L.) Sp.
Melospiza palustris (Vils.) Bd.
Melospiza melodia (Vils.) Bd.
Spizella socialis (Vils.) Sp.
Spizella pusilla (Vils.) Sp.
Parotrichia albicollis (L.) Sp.
Caspar domesticus Linn.
Corvus americanus J. Aud.
Cyanurus cristatus (L.) Sw.
Tayornis fuscus (L.) Bd.
Picus pubescens L.
Ceolaptes auratus (L.) Sw.
Agasa umbellus (L.) Steph.
Salticco wilsoni (Temm.) Sp.

Both species of Kinglets are exceedingly abundant, and frequent especially the margin of the ponds and river, where they hop about in flocks over the mud and sea weeds, where they find abundance of food.

The Alice Thrushes are quite common. They feed on the berries of the poke weed.

October 19th.

Turdus migratorius L.
Turdus pallasi Cab.
Turdus swainsoni Cab.
Turdus aliciae (Bd.) Es.
Sialia sialis (L.) Haldeman
Regulus calendula (L.) Licht.
Regulus satrapa Licht.

- Turdus atricapillus* L.
- Sitta carolinensis* Am.
- Ceuthia familiaris* L.
- Agelaius phoeniceus* (Vahl) Cg.
- Dendroica coronata* (L.) B.
- Dendroica virens* (Am.) B.
- Chrysomitris tristis* (L.) Bp.
- Melospiza palustris* (Vahl) Bd.
- Melospiza melodia* (Vahl) Bd.
- Spizella socialis* (Vahl) Cg.
- Spizella pusilla* (Vahl) Bp.
- Coronella albicollis* (Am.) Bp.
- Passer domesticus* Linn.
- Corvus americanus* Aud.
- Cyanus cristatus* (L.) Sw.
- Picus pubescens* L.
- Sphyrapicus varius* (L.) Bd.
- Colaptes auratus* (L.) Gm.

I have seen no Kingfishers for several weeks. It is not time for them to have returned South yet.

Labels of Specimens

- No. 1250 *Contopus borealis* (Sw.) Bd. Sep 5. 1876. H.F.
Iris brown. Bill black, brownish at base of mandible. Legs and feet black.
7 3/16, 12 1/16, 4, 2 1/16.
- 1251 *Seiurus noveboracensis* (Am.) Nutt. ♀ Aug. 31.
Catskill Id. Hudson River, N.Y. 6, 9 1/16, 2 15/16, 2 1/16.
- 1252 *Corzana carolina* (L.) V. ♂ juv. Sep. 6. H.F.
Iris brown. Bill greenish yellow. Legs and feet yellow. 9 13/16, 15 1/16, 4 10/16, 2 2/16.
- 1253 *Mimus carolinensis* (L.) Sw. ♂ juv. Sep. 8. Orange Co.
Iris reddish brown. Bill, legs & feet black.
9, 11 12/16, 3 10/16, 3 1/16.

- 1254 *Pyrranga rubra* (L.) V. ♀. Sep 12. H.F.
Iris brown. Bill greenish horn-color. Legs & feet lead-color. 7 1/16, 11 1/16, 3 1/16, 2 13/16.
- 1255 *Stotanus solitarius* Vils. ♂. Sep 11. H.F.
Iris brown; bill greenish black; legs & feet greenish olive. 8 3/16, 16, 5 2/16, 2 3/16.
- 1256 *Contopus virens* (L.) Cat. ♀. Sep. 14. H.F.
Iris brown. Bill black, yellow at base of mandible. Legs and feet yellow. Black.
6 8/16, 10 8/16, 13 5/16, 2 10/16.
- 1257 *Seiurus noveboracensis*, (Am.) Nutt. ♀ Sep. 11. H.F.
Bill brownish black. Legs and feet brownish. Iris brown.
5 15/16, 9 1/16, 3, 2 1/16. Tarsi 1 4/16.
- 1258 *Horreus horreorum* Barton. ♂ juv. Sep 12.
Catskill Id. Hudson River, N.Y. Iris dark; bill and feet blackish.
6 4/16, 12 2/16, 4 9 1/16, 2 8/16.
- 1259 *Mniotilta americana* (L.) Aud ♀. Sep 11. H.F.
Iris brown; bill with maxilla brownish-black; mandible, legs and feet yellow.
5 8/16, 9 1/16, 2 9/16, 2 2/16.
- 1260 ~~*Mniotilta americana*~~ *Mniotilta americana* (L.) Aud ♀ Sep. 12.
Catskill Id. Hudson River, N.Y.
Iris brown; bill brownish, flesh-color on mandible, legs and feet flesh color.
5 13/16, 9 3/16, 2 14/16, 2 1/16, Tarsi 1 2/16, Bill 7/16.
- 1261 *Dendroica pennsylvanica* (L.) Bd. ♂ juv.
Sep 14. H.F. Iris -; Bill with maxilla blackish, mandible lead-color. Legs & feet lead-color.
5 1/16, 7 13/16, 2 7/16, 1 15/16.
- 1262 *Tringoides macularius* (L.) Sw. ♀ juv. Sep. 14.
Catskill Id. Hudson River N.Y.
7 12/16, 13 12/16, 4 5/16, 2 4/16.
- 1263 *Vireo olivaceus* (L.) V. ♀. Sep 8. H.F.
Iris reddish brown; bill bluish black; legs & feet lead-color. 6 3/16, 10 4/16, 3 1/16, 2 1/16.

- No. 1264 *Dendroica maculosa* (Em.) Bd. ♀ ^{juv.} Sep 11. H. F.
Iris brown; bill with maxilla brownish-black, mandible yellow, tipped blackish. Tarsi brownish black; toes brownish yellow.
5, 7 1/4, 2 1/4, 1 1/4
- 1265 *Dendroica virens* (Am.) Bd. # Sep 12. H. F.
Iris brown. Bill and feet blackish.
5 3/4, 7 1/4, 2 1/4, 2. (6 3/4, 10 1/4, 3 1/4, 2 1/4)
- 1266 *Vireo olivaceus* (L.) V. ♀ juv. Sep 8. H. F.
Iris brown; bill bluish black; legs & feet lead-color
- 1267 *Parula americana* (L.) Bp. ♂ juv. Sep 11. H. F.
Iris brown; bill with maxilla black; mandible yellow; legs brownish black, soles of feet yellow. 4 1/4, 7 1/4, 2 1/4, 1 1/4
- 1268 *Mniotilta varia* (L.) V. ♀ Sep 15. H. F.
Iris brown; bill blue black
5 3/4, 8 2/4, 2 1/4, 1 1/4
- 1269 *Vireo olivaceus* (L.) V. ♂ juv. Sep 11. H. F.
Iris brown; bill with maxilla blackish, mandible bluish white; legs & feet lead-color
6 2/4, 10 3/4, 3 1/4, 2 3/4
- 1270 *Chrysomitris tristis* (L.) Bp. ♂ ad. Sep 12. Consook Id. Huds. Riv. Iris brown; bill brownish yellow; legs & feet brown.
5, 9, 2 1/4, 1 1/4
- 1271 *Dendroica virens* (Am.) Bd. ♀ (?) Sep 11. H. F.
Iris brown; bill brownish black; legs and feet blackish, soles of feet yellow.
5, 7 1/4, 2 1/4, 2 1/4
- 1272 *Parula americana* (L.) Bp. ♂ juv. Sep 8. H. F.
Iris brown; bill above brown, below yellow; legs brownish yellow. 4 1/4, 7 1/4, 2 1/4, 1 1/4
- 1273 *Dendroica virens* (Am.) Bd. # Sep 6. H. F.
5, 7 3/4, 2 1/4, 1 1/4
- 1274 *Troglodytes aedon* V. ♂. Sep 14. H. F.
Iris brown; bill above blackish; below horn-color
Legs & feet brownish flesh-color 5 3/4, 6 1/4, 2 1/4, 1 1/4

- No. 1275 *Perrilopsola lignina* (Am.) Bd # Sep 8. 1876. Consook Id. Hudson. Riv. N. Y.
Iris brown; bill and feet black.
5 3/4, 8 5/4, 2 1/4, 2
- 1276 *Dendroica castanea* (Wils.) Bd ♀ juv Sep 18. H. F.
Consook Id. Huds. Riv. N. Y. Iris brown; bill with maxilla blackish, mandible yellow at base; tipped dusky 5 3/4, 8 5/4, 2 1/4, 1 1/4
- 1277 *Helminthophaga ruficapilla* (Wils.) Bd. ♂ Sep 16. H. F. Iris brown; bill brownish, yellow at base of mandible. Legs and feet brownish yellow.
4 1/4, 7 1/4, 2 1/4, 1 1/4
- 1278 *Telmatorhynchus palustris* (Wils.) Cat. ♀ juv. Sep. 18. Consook Id. Huds. Riv. N. Y. Iris brown; bill above black, below horn-color; ^{legs and feet brown} 4 1/4, 6, 1 1/4, 1 1/4
- 1279 *Helminthophaga peregrina* (Wils.) Cat. ♂ juv. Sep. 20. 1876. Consook Id. Huds. Riv. N. Y. Iris brown; Bill blackish, base of mandible horn-color; legs and feet blackish
5, 7 1/4, 2 1/4, 1 1/4
- 1280 *Dendroica virens* (Am.) Bd. ♂ juv. Sep 29. Put. Co. N. Y.
Iris brown. Bill and feet blackish.
5 3/4, 7 1/4, 2 1/4, 2 1/4
- 1281 *Dendroica fuscescens* (L.) Bd. juv. Sep. 29. Putnam Co N. Y. Iris brown; bill black on maxilla, mandible, legs and feet lead-color.
4 1/4, 7 1/4, 2 1/4, 1 1/4
- 1282 *Sphyrapicus varius* (L.) Bd. ♂ juv. Sep 29. H. F.
Iris dark brown; bill greenish; legs & feet lead-color.
8, 14 1/4, 4 1/4, 2 1/4
- 1283 *Zonotrichia albicollis* (Em.) Bp. ♂ Sep 29. Put. Co. N. Y.
Iris brown; bill horn-color at base of mandible, rest ochreous dusky; legs & feet flesh-color
6 1/4, 9, 2 1/4, 2 1/4
- 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 1/16, 2 10/16

- No. 1285. *Vireo solitarius* (Vils.) V. ♀ juv. Sep 29. Put. Co. N.Y.
Iris brown; bill blue black, legs and feet lead-color.
5¹²/₁₆, 9¹/₁₆, 3, 2³/₁₆.
- 1286 *Parula americana* (L.) Bp. ♂ juv. Sep 29. 1876.
Putnam, Co. N.Y. Bill with maxilla black, mandible yellow; legs & feet yellowish brown; Iris brown.
4¹⁵/₁₆, 7¹³/₁₆, 2⁹/₁₆, 1¹¹/₁₆.
- 1287 *Dendroica caerulescens* (L.) Bd. ♂ ad. Sep 29. H.F.
Iris brown; bill blackish; legs & feet yellowish brown.
5⁷/₁₆, 8²/₁₆, 2¹⁰/₁₆, 2⁴/₁₆.
- 1288 *Spizella pusilla* (Vils.) Bp. ♂ Sep 29. H.F.
Iris brown; bill, legs & feet reddish brown.
5¹/₁₆, 8²/₁₆, 2³/₁₆, 2⁵/₁₆.
- 1289 *Hebrewithopsis fuscata* (Vils.) Cab. ♀ juv.
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.
4¹¹/₁₆, 7⁴/₁₆, 2⁶/₁₆, 1¹⁰/₁₆.
- 1290 *Dendroica blackburniae* (Em.) Bd. ♂ juv. Sep. 30.
H.F. Iris hazel; bill above blackish, horn color on base of mandible. Legs & feet yellowish brown.
5, 8⁴/₁₆, 2¹¹/₁₆, 1¹⁵/₁₆.
- 1291 *Dendroica blackburniae* (Em.) Bd. ♀ ad. Sep 30.
H.F. Iris hazel; bill above blackish, horn color on base of mandible; legs & feet yellowish brown.
5⁶/₁₆, 8¹/₁₆, 2¹²/₁₆, 2.
- 1292 *Sphyrapicus varius* (L.) Bd. ♂ juv. Sep 30. H.F.
Iris dark brown; bill blackish horn-color; Legs & feet lead-color. 8¹/₁₆, 15⁸/₁₆, 5, 3.
- 1293 *Melospiza palustris* (Vils.) Bd. ♀ juv. Sep 30.
Consook Id. Huds. Riv. N.Y. Iris brown; bill dusky; legs & feet brown.
5¹³/₁₆, 7¹/₁₆, 2³/₁₆, 2⁵/₁₆.
- 1294 *Melospiza palustris* (Vils.) Bd. ♂ juv. Sep 30.
Consook Id. Huds. Riv. N.Y. Iris brown; bill dusky; legs & feet brown.
6¹/₁₆, 7¹⁴/₁₆, 2⁷/₁₆, 2¹/₁₆.

- No. 1295 *Hebrewithopsis fuscata* (Vils.) Cab. ♂ juv. October 3.
H.F. Iris yellow; bill black, with basal half of mandible horn-color. 11⁴/₁₆, 12¹/₁₆, 4³/₁₆, 5¹/₁₆.
- 1296 *Sphyrapicus varius* (L.) Bd. ♀ ad. Oct 3. H.F.
Iris hazel; bill dusky; legs & feet lead-color.
8¹⁰/₁₆, 15¹²/₁₆, 5²/₁₆, 3⁷/₁₆.
- 1297 *Turdus swainsoni* Cab. ♀ October 3. 1876. H.F.
Iris brown; bill black, with base of mandible horn-color; legs and feet fleshy brown.
7³/₁₆, 11¹¹/₁₆, 3⁴/₁₆, 2¹²/₁₆.
- 1298 *Dendroica maculosa* (Em.) Bd. ♀ ad. Oct 3. H.F.
Iris hazel; maxilla black; mandible flesh-color; legs & feet dark brown. 5³/₁₆, 7⁹/₁₆, 2⁶/₁₆, 2.
- 1299 *Dendroica castanea* (Vils.) Bd. ♂ juv. October 3. H.F.
Iris brown; bill blackish, flesh-color on mandible; legs and feet blackish brown. 5¹¹/₁₆, 9, 2¹⁵/₁₆, 2³/₁₆.
- 1300 *Dendroica caerulescens* (L.) Bd. ♂ ad. Oct. 3. H.F.
Iris hazel; bill blackish; legs & feet yellowish brown.
5⁴/₁₆, 7¹³/₁₆, 2⁷/₁₆, 2.
- 1301 *Dendroica virens* (Em.) Bd. ♀ October 3rd. H.F.
5¹/₁₆, 7⁸/₁₆, 2⁶/₁₆, 2.
- 1302 *Regulus satrapa* Licht ♂ ad. Oct 3. H.F. Iris dark brown; bill black; legs and feet brownish black.
4⁷/₁₆, 7¹¹/₁₆, 2⁷/₁₆, 1¹⁵/₁₆.
- 1303 *Regulus satrapa* Licht. ♀ ad. Oct 3. H.F. Iris dark brown; bill black; legs & feet brownish black; feet yellowish brown. 4¹¹/₁₆, 6¹⁰/₁₆, 2⁴/₁₆, 1¹²/₁₆.
- 1304 *Sphyrapicus varius* (L.) Bd. ♀ ad. Oct. 4. Cornwall
On the Hudson. N.Y. Iris dark brown. bill bluish blk; legs lead-color. 8¹¹/₁₆, 15⁸/₁₆, 5²/₁₆, 3⁶/₁₆.
- 1305 *Sphyrapicus varius* (L.) Bd. ♂ juv. Oct. 4. Cornwall
On the Hudson N.Y. (Colors of parts like No 1304.)
8⁷/₁₆, 15, 5, 3²/₁₆.
- 1306 *Junco hyemalis* (L.) Sch. ♂ 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. 6⁴/₁₆, 9¹⁴/₁₆, 3³/₁₆, 2¹²/₁₆.

- No. 1307 *Prozana carolinia* L. V. ♀ juv. Oct 4. Consook.
Id. Huds. Riv. N. Y. Iris red; bill greenish olive;
Legs & feet green 8¹²/₁₆, 14, 4⁵/₁₆, 2.
- 1308 *Anothus hyemalis* (Wils.) Es. juv. Oct. 4. Cornwall
on the Hudson N. Y. Iris brown; bill black on maxilla,
mandible. flesh-color; Legs & feet brown.
4¹/₁₆, 6, 1¹⁴/₁₆, 1³/₁₆.
- 1309 *Dendroica maculosa* (Em.) Bd. ♂ juv. Oct 5th.
~~Cornwall on the Hudson~~ N. Y. Iris brown; bill
with maxilla blackish, mandible horn-color at
base; legs and feet brownish black
5¹/₁₆, 7⁷/₁₆, 2⁵/₁₆, 1¹⁴/₁₆.
- 1310 *Dendroica caerulescens* L. Bd. ♂ ad. Oct. 5th H. F.
Iris brown; bill blackish; legs & feet light brown
5⁴/₁₆, 7¹⁵/₁₆, 2¹/₁₆, 2.
- 1311 *Certhia familiaris* L. ♀ ad. Oct 5, H. F.
Iris brown; bill with maxilla black, mandible
flesh-color. Legs & feet brown.
5¹⁰/₁₆, 7¹²/₁₆, 2¹/₁₆, 2⁹/₁₆.
- 1312 *Sialia 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)
11²/₁₆, 17⁴/₁₆, 5⁵/₁₆, 2⁸/₁₆. Bill 2^{8 1/2}/₁₆.
- 1313 *Sialia Wilsoni* (Temm.) Bp. ♂ juv. Oct 16.
Consook. Id. Huds. Riv. N. Y. (Colors of parts the
same as No. 1312. 10⁵/₁₆, 16²/₁₆, 5, 2⁴/₁₆, Bill 2⁷/₁₆.
- 1314 *Carpodacus purpureus* (Em.) G. ♂ ad. Oct 6. H. F.
Iris brown; Bill dusky; legs & feet brown
6²/₁₆, 10⁷/₁₆, 3⁷/₁₆, 2¹/₁₆.
- 1315 *Troglodytes aedon* V. ♀ Oct. 16th. H. F.
Iris brown; bill with maxilla black; mandible
horn-color; legs dusky
4^{7 3/16}/₁₆, 6¹/₁₆, 2, 1¹¹/₁₆.
- 1316 *Dendroica caerulescens* L. Bd. ♂ ad. Oct 14. H. F.
Iris brown; bill black. legs & feet blackish
5⁵/₁₆, 7¹⁴/₁₆, 2¹/₁₆, 2¹/₁₆.

- No. 1317 *Minioilta varia* L. V. ♀ ad. Oct. 14th. H. F.
Iris brown; bill with maxilla black, mandible horn-
color; legs and feet yellowish brown.
5⁸/₁₆, 8¹/₁₆, 2^{12 1/2}/₁₆, 2¹/₁₆.
- 1318 *Regulus calendula* L. Licht ♂ ad. Oct. 14th. H. F.
- 1319 *Turdus aliciae* (Poc.) Es ♂ Oct. 17th. H. F.
Iris brown; bill black, flesh-color at base of mandible;
legs and feet dusky 8⁴/₁₆, 13, 4⁴/₁₆, 3³/₁₆.
- 1320 *Colaptes auratus* L. Sw ♂ ad. Oct. 18th. H. F.
Iris reddish brown; bill black; legs & feet lead color.
13, 20³/₁₆, 6³/₁₆, 4¹²/₁₆.
- 1321 *Sialia sialis* L. Haldeman ♂ ad. Oct. 18th. H. F.
Iris brown; bill and feet black.
7, 12⁵/₁₆, 4¹/₁₆, 2¹⁰/₁₆.
- 1322 *Turdus pallasi* Cab. ♂. Oct. 18th. H. F.
Iris brown; bill black, base of mandible flesh-
color; legs and feet light brown.
7³/₁₆, 11⁷/₁₆, 3^{11 1/2}/₁₆, 2¹²/₁₆.
- 1323 *Turdus pallasi* Cab. ♀. Oct. 18th. H. F.
Colors of parts as in No. 1322) 6¹⁵/₁₆, 11, 3⁸/₁₆, 2⁹/₁₆.
- 1324 *Bubo virginianus* (Em.) Bp. ♂ juv. Oct 17th. 1876
Orange Co. N. Y. Iris yellow, bill and claws
bluish black, 21¹⁴/₁₆, 55⁴/₁₆, 14⁶/₁₆, 8¹⁰/₁₆.
- 1325 *Sialia Wilsoni* (Temm.) Bp. ♂ ad. Oct 19th.
Consook. Id. Huds. Riv. N. Y. Iris brown;
bill blackish; legs and feet yellowish green.
11, 17³/₁₆, 5²/₁₆, 2⁴/₁₆. Bill 2⁷/₁₆.

October 23rd.

- Turdus migratorius* L.
- Turdus pallasi* Cab.
- Sialia sialis* L. Haldeman
- Regulus calendula* L. Licht.
- Regulus satrapa* Licht.
- Parus atricapillus* L.
- Sitta carolinensis* Sw.

Seto-haga ruticilla (L.) Sw.
Certhia familiaris L.
Anorthura hyemalis (Vils.) G.
Dendroica virens (Sw.) Bd.
Dendroica coronata (L.) G.
Dendroica palmarum (Sw.) Bd.
Chrysomitris tristis (L.) G.
Melospiza palustris (Vils.) Bd.
Melospiza melodia (Vils.) Bd.
Junco hyemalis (L.) Sel.
Spizella socialis (Vils.) G.
Zonotrichia albicollis (Sw.) G.
Passer domesticus Linn.
Pipilo erythrophthalmus (L.) W.
Corvus americanus Aud.
Cyanurus cristatus (L.) Sw.
Sayornis fuscus (Sw.) Bd.
Picus pubescens L.
Sphyrapicus varius (L.) Bd.
Colaptes auratus (L.) Sw.
Syrnium nebulosum (Forst.) G. Sw.
Buteo borealis (Sw.) W.
Aix sponsa (L.) Boie.
Rurquedula carolinensis (Sw.)

October 25th.

The only warblers present today 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 was immediately answered from the opposite side of the pond, by the sweet note of the Downy Woodpecker, probably the last I will hear this year.

- No. 1326 *Aix sponsa* (L.) Boie ♂. October 23, 1876. Eagle Valley, Orange Co. N. Y. Iris brown; eyelid red; bill with base of maxilla orange - then red - then sides white - ridge and tip, also mandible, black. Legs and feet muddy yellowish brown - webs black. 16³/₁₆, 29⁷/₁₆, 8⁷/₁₆, 4⁷/₁₆.
- 1327 *Sphyrapicus varius* (L.) Bd. ♂ ad. Oct. 21. 11.7. Iris dark brown; bill blackish; legs and feet lead-color. 8¹⁴/₁₆, 15⁹/₁₆, 4¹³/₁₆, 30⁷/₁₆.
- 1328 *Syrnium nebulosum* (Forst.) G. ♀. Oct 23. Eagle Valley, Orange Co. N. Y. Irides blk; soles of feet yellow; Bill very light greenish yellow. Claws bluish black. 19⁴/₁₆, 44¹²/₁₆, 12, 8¹⁴/₁₆.

October 28th 1876

List of Birds Seen to-day (in Putnam Co.)

Turdus migratorius L.
Turdus pallasi Cab.
Sialia sialis (L.) Haldeman
Regulus calendula (L.) Licht
Regulus satrapa Licht.
Parus atricapillus L.
Sitta carolinensis Sw.
Anorthura hyemalis (Vils.) G.
Certhia familiaris L.
Dendroica virens (Sw.) Bd.
Dendroica coronata (L.) G.
Carpodacus purpureus (Sw.) G.
Chrysomitris tristis (L.) G.
Melospiza melodia (Vils.) Bd.
Spizella socialis (Vils.) G.
Zonotrichia albicollis (Sw.) G.
Junco hyemalis (L.) Sel.
Passerella iliaca (Merrill) Sw.
Passer domesticus Linn.

Saycoophagus ferrugineus (Sw.) Sw.
Corvus americanus Aud.
Cyanurus cristatus (L.) Sw.
Ceryle alcyon (L.) Boi.
Picus pubescens L.
Bonasa umbellus (L.) Wm.
Ortyx virginianus (L.) Bp.
Cix sponsa (L.) Boi.

Notes Oct 29th / 1876.

Ampelis cedrorum (L.) Bd. - I have seen none lately.
Spizella socialis (Vill.) 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 birds 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~~ Montgomery, and across fields to the Poppleton 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.

Notes 1st

Corvus americanus Aud.
Cyanurus cristatus (L.) Sw.
Ceryle alcyon (L.) Boi.
Picus pubescens L.
Bonasa umbellus (L.) Wm.
Ortyx virginianus (L.) Bp.
Cix sponsa (L.) Boi.

(November 8th - 10th 1876.)

Parus atricapillus L.
Sitta carolinensis Sw.
Certhia familiaris L.
Picus pubescens L.
Picus villosus L.
Bonasa umbellus (L.) Wm.

Immigrants

Scarus melanurus Sw.

I noticed a species of Starling (Dace) to be very abundant in the waters of the Penitentiary grounds, although the bottom was covered with a thick deposit of silt.

A List of Birds Seen

at Fort Miller, Washington Co. N. Y.

(November 10th - 22nd 1876.)

Regulus satrapa Licht.
Parus atricapillus L.
Sitta carolinensis Sw. - Exceedingly abundant; came about the house feeding on the pumpkin seeds.
Certhia familiaris L. - Not very abundant.
Geothlypis trichas (L.) Sw.
Actitis tricolor (Sw.) Licht. - One flock seen in field before the house; the bird I have never seen, but had no gun.

- C. hypoleucis* *harrisii* G. G. Sp.
- Juncos hyemalis* L. Sw.
- Spizella monticola* Sw. B. C.
- Falco domesticus* Sw.
- Corvus americanus* Aud.
- Cyanurus cristatus* L. Sw.
- Picus pubescens* L.
- Picus villosus* L. (Very abundant.)
- Bonasa umbellus* (L.) G. G.
- Buteo borealis* (Sw.) L.
- Archibuteo lagopus* (Bonap.) Sw. (One seen)

no other birds have been found here:

- Hirundo fuscata* (L.) G. G. Quite common in certain old woods.
- Buteo virginianus* (Sw.) G. G.
- Scops asio* L. Sw. - found breeding.
- Sturnus vulgaris* (Sw.) G. G. - found breeding.
- Nucula myra* (Daud.) Sw. (Sometimes captured)
- Chondestes virginianus* (Bonap.) Sw. Common in autumn
- Agelaius phoeniceus* (Sw.) G. G. Abundant; breeds.

Mammals :-

- Sciurus hudsonius*, Pallas. Abundant
 - Sciurus carolinensis*, Sw. Abundant
 - Urocyon v. var. fulvus*. Abundant
 - Viverra zibethicus*, L. & Kay. I saw a fine specimen that had been caught in a steel-trap.
 - L. sylvaticus*, Baen. Not abundant.
 - Lepus americanus*, Cuv. Not abundant.
- I saw a single specimen that seemed to be all white. My companion started in-out from under a brush-heap, but could not shoot it, for it retreated on a side hill into a dense growth

of young pine trees, that skirted the base of a little hill, and in spite of my utmost endeavor I could not again discover it. This was the only individual I could discover, tho I searched diligently for them - and the farm men speak of them as at present, rather scarce tho a few years ago they were abundant.

November 28th 1876

List of Birds Seen

- Spizella socialis*, L. J. Goldman
- Regulus satrapa* Licht.
- Turdus atricapillus* L.
- Spizella carolinensis* Sw.
- Spizella familiaris* L.
- C. hypoleucis* *harrisii* (L.) G. G.
- Juncos hyemalis* L. Sw.
- Spizella monticola* (Sw.) G. G.
- Falco domesticus* Sw.
- Corvus americanus* Aud.
- Cyanurus cristatus* L. Sw.
- Picus villosus* L.
- Circus auratus*, L. Sw.
- Buteo communis* Variegatum (??)
- Bonasa umbellus*, L. G. G.
- Colaptes leucoccephalus* (L.) Savigny
- Branta canadensis* L.
- Harelda glacialis* L. Trach.
- Larus argentatus* L. Brunsw.

I shot a beautiful specimen of the Harelda glacialis, an adult male. It was sitting ^{alone} on the water near Constitution Pt, and as we rowed up to it its actions were so ludicrous that I had to laugh outright. He got so excited that he could hardly sit on the water - elevating his tail straight up, over

his back, and rapidly entering it, and throwing his head back, and all the while turning so rapidly in the water as to seem at times fairly to spin round like a top, all the while croaking loudly; at last he flew raising a few feet from the water and then flew straight along: he was a long way off but only shot reached him; he then flew straight up in the air when I fired a second shot, when after some flapping, he fell to the water. It was not dead when I reached it, and was very hard to kill. The water was very rough at the time.

November 30th 1876

Today I Shanks-giving dog. There are some tree birds about. I notice a queer little chirp or note of alarm - that thrup utter as the tree birds perch.

Some birds are very scarce just now. There are no Robins or Cedar birds.

But I omitted to notice when I went out the Purple Finches, that they were singing sweetly at the time.

1329 Perisoreus auricularis L. V. ♂ ad. Sept 12. 1876. Consook Id. N. Y. - Mounted -

7 1/4, 11 1/4, 4 1/4, 2 1/4 - End of bill to end of toes 12 1/4. Iris brown; bill olive-green; legs and feet sea-green.

1330 Perisoreus auricularis L. ♂. Nov. 12. 1876. Port. Miller, Washington Co. N. Y. - 9 1/4, 10 1/4, 4 1/4, 3 1/4.

Iris brown; bill bluish; legs and feet lead-color.

1331 Perisoreus auricularis L. ♂. Nov. 12. 1876. Port. Miller, Washington Co. N. Y. - 7, 11 1/4, 3 1/4, 2 1/4. Iris hazel; bill bluish black; legs and feet lead-color.

1332 Perisoreus auricularis L. ♂. Nov. 18. 1876. Washington Co. N. Y. - 11 1/4, 17 1/4, 5 1/4, 3 1/4. Iris hazel; bill blackish; legs and feet lead-color.

1333 Perisoreus auricularis L. ♀. Nov. 18. 1876. Port. Miller, Washington Co. N. Y. - 9 1/4, 15 1/4, 4 1/4, 3 1/4. Iris hazel; bill blackish; legs and feet lead-color.

1334 Perisoreus auricularis L. ♂. Nov. 1st 1876. - Iris brown; bill hazel; legs and feet lead-color. Iris hazel; bill hazel; legs and feet lead-color.

1335 Surdus fuscescens Lat. ♂ juv. October 20th 1876. Highland Falls, N. Y. - 7 1/4, 11 1/4, 3 1/4, 2 1/4. Iris brown; bill hazel; legs and feet lead-color. Iris brown; bill hazel; legs and feet lead-color.

December 3rd 1876

This morn, as I was walking to church, I saw a female Perisoreus auricularis industriously at work constructing a burrow in a comb of wood along the side of a road. I went to it and as I got out she hid I waited and looked; soon I saw the entrance hole, and then the bird came up to the hole at some distance. I have several times seen these Woodpeckers similarly occupied at this season. It is hardly susceptible that they can be preparing a nest place for the next breeding season; so they must be laying their eggs either for a winterator to better themselves.

December 5th - 1876.

This morn I took a long walk. I saw several Perisoreus auricularis and they were all busy at work as far as the cold season is concerned, though across the salt meadows to the R. R. which I followed down the mountain side. I then I had listed a

1876-77

was shot in the street in front of the Post Office, where it was flying about in the day-time.

No. 1339 Scops asio (L.) Bp. ♀ December 27, 1876. H.F. 1 7 3/4, 2 2 1/4, 6 1/4, 3 3/4. 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.

Thus ends the year 1876.

Nyctea nyctea - A snowy Owl was shot in the western part of this County, about Jan 20, 1877. 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 occasional.

Ampelis cedrorum - have not seen.

Sialia sialis (L.) Haldeman - seen first today

Colinus borealis - has not been seen

Turdus migratorius L. not seen this winter

Scops asio (L.) V. & Haliaeetus leucoccephalus L. seen

Occasionally seen.

Feb. 12, 1877. List of Birds seen

Sialia sialis L. Haldeman

Parus atricapillus L.

Setta canadensis L.

Corpodacus purpureus.

1877. List of Birds seen at Fort Miller, Washington Co. N.Y., from Feb. 26 - Mar 1, 77

No. 1340 Scops asio (L.) Bp. ♀ Dec 2

Buteo lineatus (Sw.) Jardine.

Picus pubescens L.

Bonasa umbellus (L.) Steph.

Corvus americanus Aud.

Haliaeetus leucoccephalus (L.) Sav.

Larus argentatus (L.) Brunn.

Spatula clypeata (L.) Bris?

No. 1340 Colinus borealis (L.) Bd. ♂ ad. Feb 12, 1877.

Constitution Island. - Marshes. Tarsi 1 6. Bill 7 6

10 1/2, 14, 4 1/2, 4 1/2. Iris 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.

Sialia sialis - rather abundant.

Haliaeetus leucoccephalus - very numerous.

A. List of Birds seen at Fort Miller,

Washington Co. N.Y., from Feb. 26 - Mar 1, 77

Parus atricapillus L.

Setta carolinensis Sw.

Certhia familiaris L.

Loxia americana (Vill.) Es. (Large flock)

Corvus americanus Aud.

Cyanus cristatus (L.) Sw.

Picus villosus L.

Bonasa umbellus (L.) Steph.

Passer domesticus L.

Astur atricapillus (Vill.) Bp.

1st - March 3. (Highland Falls)

Sialia sialis (L.) Haldeman

Parus atricapillus L.

- Chrysomitris tristis* (L.) Bp.
- Melospiza melodia* (New present all winter)
- Junco hyemalis* (L.) Sel.
- Corvus americanus* Aud.
- Cyanurus cristatus* (L.) Sw.
- Picus pubescens* L.
- Haliaeetus leucocephalus* (L.) Sw. (Counted 12. ^{Catwance})
- Larus argentatus* (L.) Brunn.
- Bucephala albeola* (L.) Bod.

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.) Sel.
- Corvus americanus* Aud.

No. 1341 *Fuligula vallisneria*, (Thls.) Steph. ♂ ad.
 Hudson Riv. at Cornwall (Josh Ward)

March 23rd 1877

Length to end of tail $22 \frac{5}{16}$ Extent $35 \frac{7}{16}$
 do wings $20 \frac{4}{16}$ Wing $9 \frac{4}{16}$
 do claws $2 \frac{6}{16}$ Tail $2 \frac{10}{16}$

Tarsus $1 \frac{1}{16}$. Bill, along the back $2 \frac{15}{16}$; Lower mandible along the edge $2 \frac{7}{16}$. (Mounted)

Bill black, with small patches of faint orange showing through, on mandible. Irides bright carmine. Feet grayish blue, tinged with ^{yellow} orange, webs blackish.

1342 *Fuligula vallisneria*, (Thls.) Steph ♂ ad.
 Locality, color &c the same as above (1341).

Length to end of tail, $22 \frac{5}{16}$ Extent, $34 \frac{12}{16}$.
 do wings, $20 \frac{4}{16}$ Wing, $9 \frac{2}{16}$.
 do claws, $2 \frac{5}{16}$ Tail, $2 \frac{7}{16}$.

Tarsus $1 \frac{1}{16}$, Bill, along back, $2 \frac{15}{16}$; Lower mandible along edge $2 \frac{9}{16}$.

1343 *Mergus merganser*, L. ♂ ad. March 23rd 1877.
 Hudson Riv. at Cornwall. (Josh Ward)

Length to end of tail, $26 \frac{65}{100}$, 37, $10 \frac{30}{100}$, $4 \frac{75}{100}$.
 do claws $27 \frac{30}{100}$ Bill, along ridge $2 \frac{73}{100}$

Bill along edge of mandible $2 \frac{75}{100}$. Tarsi $1 \frac{92}{100}$
 1st toe & claw $1 \frac{72}{100}$. 2nd (inner) toe & claw $2 \frac{38}{100}$.
 3rd do do 3. 4th (outer) do $2 \frac{72}{100}$

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 $24 \frac{30}{100}$; WH, $9 \frac{45}{100}$, $3 \frac{95}{100}$.
 do claws $2 \frac{5}{100}$ - Tarsi $1 \frac{50}{100}$

1st toe & its claw $1 \frac{72}{100}$. 2nd toe & its claw $2 \frac{30}{100}$.
 3rd do do $2 \frac{80}{100}$. 4th do $2 \frac{70}{100}$.

Irides hazel. Bill & feet like male; bill with whitish tip

March 23

Today arrived the first *Passerella iliaca* and *Sayornis fuscus*.

- Turdus migratorius* L.
- Sialia sialis* (L.) Haldeman
- Parus atricapillus* L.
- Ampelis cedrorum* (L.) Bp.
- Chrysomitris tristis* (L.) Bp.
- Melospiza melodia* (Thls.) Bd.
- Junco hyemalis* (L.) Sel.
- Spizella monticola* (L.) Bod.
- 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.) Sc. very abundant; singing.
Spizella monticola (Em) Bol. scarce; not 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 Kite, pursued by a Shrike. The latter whirled about, and alighted 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 alighted 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", ~~where I heard two~~ 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 toward the pond, and then all was quiet. So I think they spent the night there, but they were not there early ^{the next} morning.

The *Spizella monticola* are singing an exceedingly pleasant song

April 2

Colaptes auratus L. Sw. First seen this year.

Went shooting with Mr. 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 alarming 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 alighted 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 Gyr-Falcon but afterward concluded that it must have been some rare albino form of the Accipiter cooperi Bp. or Astur atricapillus. I shall never know, I suppose. Some large feathers after-hand picked up at the place where first seen, were pure white, one of them being 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 herodias - do

April 5

Spizella monticola - Still abundant
Candora carolinensis. First noticed today

Labels of specimens in Coll. of Am. Orn.

Dendroica tigrina ♂ ad. W. Lente, Cold. Spring
May 20. 1875. $4\frac{2}{4}$, $7\frac{2}{2}$, $2\frac{2}{16}$, $\frac{7}{8}$.

Iris hazel; bill & feet black.

Falco sparverius ♂ Apr. 3. 1875. Fred Oster
Garrisons N.Y.

List of Birds seen at
Fairfield Conn. Apr. 7. 1877

Turdus migratorius L.

Sialia sialis (L.) Hald.

Melospiza melodia (Chis.) Bd.

Junco hyemalis (L.) Sel.

Poocetes gramineus Bd. - First seen.

Agelaius phoeniceus (L.) V.

Molothrus pecoris (Em.) Sw.

Corvus americanus Aud.

Passer domesticus L.

Hirundo bicolor (W.) Cuv. First seen; abundant.

Pandion haliaetus

Circus hudsonius

Larus argentatus (L.) Brugem.

Sturnella magna (L.) Sw. Abundant.

Mergus mercanser L.

There were also Tulls, Duck and Geese that I could not identify.

I was surprised to find the Hirundo bicolor so early. The ditches were thickly coated with ice, early in the morning.

1345 Sturnella magna (L.) Sw. ♂ ad. Apr. 7. 1877
Fairfield, Conn. - Iris dark hazel. Legs & feet greenish brown; nails bluish black. Bill with top of max. blk.; base of mandible, edge of maxilla, inside and resedien of bill andible greenish horn-color. $10\frac{82}{100}$, $16\frac{43}{100}$, $4\frac{85}{100}$, $3\frac{25}{100}$
Bill above $1\frac{43}{100}$ Along gape $1\frac{50}{100}$. Tarsi $1\frac{73}{100}$.
Mid. toe & its claw $1\frac{55}{100}$ Inner toe & claw $1\frac{6}{100}$
Outer toe & nail $1\frac{2}{100}$. Hind toe & nail $1\frac{35}{100}$

1346 Tachycineta bicolor (W.) Cuv. ♂ ad. Apr. 7. 1877
Fairfield, Conn. Iris dark brown.
Bill black; feet brown $6\frac{25}{100}$, $13\frac{50}{100}$, $4\frac{84}{100}$, $2\frac{37}{100}$.

1347 Junco hyemalis (L.) Sel. ♂ ad. April 2. 1877
H. F. $7\frac{7}{16}$, 10 , 3 , $2\frac{11}{16}$.

1348 Passerella iliaca (Merrem) Sw. ♂ ad. Apr. 2. 1877
H. F. $7\frac{7}{16}$, $10\frac{13}{16}$, $3\frac{5}{16}$, $2\frac{14}{16}$.

April 12, 1877.

A fine adult bird of Astur atricapillus flew across the road, close overhead. Its flight was marvelously swift. I watched it for considerable distance. The wind blowing very hard.

I have seen no Nuthatches this spring. The Certhia familiaris have just appeared in considerable numbers.

The Spizella monticola and Junco hyemalis are both abundant and both are singing most delightfully.

April 13.

Molothrus pecoris - First seen here.

- 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.
- Poocetes gramineus* - First seen here
- Spizella monticola* (Im.) Bd.
- Melospiza melodia* (Vid.) Bd.
- Picus pubescens* L.
- Coccyzus migratorius* (L.) Sw.
- Junco hyemalis* (L.) Sel.
- Corvus americanus* Aud.

April 16.

- Turdus migratorius* L.
- Sialia sialis* (L.) Hald.
- Dendroica pinus*, (Vid.) Bd. - First seen
- Dendroica palmarum* (Im.) Bd. do.
- Certhia familiaris* L.
- Chrysomitris tristis* (L.) Bp.
- Poocetes gramineus*, (Im.) 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 when the white outer tail-feathers are rather conspicuous.
- Melospiza melodia* (Vid.) Bd.
- Junco hyemalis*, (L.) Sel. Not very plenty
- Spizella pusilla*, (Vid.) Bp. - First seen
- Spizella socialis*, (Vid.) Bp. do
- Taxus domestica* L.
- Corvus americanus* Aud.
- Sayornis fuscus* (Im.) Bd.
- Picus pubescens* L.
- Colaptes auratus* (L.) Sw.
- Bonasa umbellus* (L.) Steph.

Luscalus perpurus One seen; seemed restless, sat in a tree spreading its tail and uttering a singular note, resembling both the Cat Bird and Blue Jay.

Molothrus pectoris (Im.) Sw - abundant in Mr. Rinsley'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 upon the fence.

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 stretch 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, dragging their expanded tails upon the ground, and so strut up to the side of a female and then 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 (Vid.) Sel. Not seen this year.
Gampelis cecum (V.) Bd - None present just now.
 No Swallows have appeared here.
Peperilla iuca (Merrill) Sw - has disappeared some time since. They always pass through very rapidly.

April 20. 1877

A few females of *Junco hyemalis* L. / Sel. were seen. *Spizella socialis*, and *pusilla* are abundant. The *Spizella monticola* have disappeared.

April 23.

The *Turdus pallasi*, Cab. were first seen yesterday.

List of Birds Seen

Turdus migratorius L.
Sialia sialis (L.) Haldeman
Regulus calendula (L.) Licht.
Parus atricapillus L.
Dendroica palmarum (Em.) Bd.
Seiurus ludovicianus (W. B. P.) ^{Singing} First Seen
Arundo noveboracensis Barton - First Seen
Vireo solitarius (Mill.) W. First Seen
Carpodacus purpureus (Em.) Gr.
Poocetes gramineus (Em.) Bd.
Melospiza melodia (Mill.) Bd.
Spizella socialis (Mill.) Bp.
pusilla (Mill.) Bp. - Singing.

Passer domesticus L.
Molothrus ferox (Em.) Sw.
Corvus americanus Aud.
Cyanurus cristatus (L.) Sw.
Sayornis fuscus (Em.) Bd. - Nesting
Chrysomitris tristis (L.) Bp. - Moulting
Picus pubescens L.
Colaptes auratus (L.) Sw.
Accipiter cooperii Bp.

Pandion haliaetus (L.) Sw. Singing. 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, tearing with it a large eel, with which it at first flew heavily along the surface of the lake, then raised, 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} ^{plated} 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 (Em.) Bd.
Dendroica fusca (Mill.) Bd. I 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 (W. B. P.)
Carpodacus purpureus (Em.) Gr.
Chrysomitris tristis (L.) Bp.
Melospiza melodia (Mill.) Bd.
Junco hyemalis L. / Sel.

Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Troglodytes albicollis (Am.) Bp. - first seen Apr. 2.
Casser domesticus L.
Layornis fuscus (Am.) Bd.
Corvus americanus Aud.
Colaptes auratus L. Sw.
Picus pubescens L.
Buteo borealis (Am.) V. ?

April 25.

Empidonax migratorius L. - Matrinis.
Sciaphis alba (L.) Haldeman
Parus atricapillus L.
Sciurus ludovicianus (V.) Bp.
Merula 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.
Casser domesticus Linn.
Corvus americanus Aud.
Layornis fuscus (Am.) Bd.
Ceryle alcyon L. Vie.
Colaptes auratus L. Sw.
Buteo pennsylvanicus (Wils.) Bp.
Falco sparverius

As I was walking along near the mouth of the creek near Consook Ids., I saw a small Hawk flying northward, I watched it until it settled gracefully with a long sweep, upon the top of a hay-stole near the creek. I thought it must be a Sparrowhawk, altho' I had never seen that bird alive, & could not then see its colours.

I was right. It was the first Sparrowhawk I have ever seen here, altho' Mr. Frederic Osborn collected a fine male at his residence at Garrison, 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-stole. He accomplished this 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-stole, 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 Kingbird or Kingfisher, 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

of mind
 just 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 circum-
 stances, but which it is impossible to des-
 -cribe. He offered no resistance, but I
 think his brain had been affected by a
 shot which grazed the skull.

This bird was an adult male. I saw
 another one on my way home.

~~Amphispiza cedrorum~~ No Cedar-ticks
 have been seen lately.

April 26.

Turdus migratorius L.

Sialia sialis (L.) Hald.

Regulus calendula (L.) Licht.

Regulus satrapa Licht.

Parus atricapillus L.

Hirundo horreorum Barton.

Tachycineta bicolor (V.) C.

Empidonax ludovicianus (V.) Bp.

Carpodacus purpureus (Sw.) B.

Melospiza melodia (Wils.) Bd.

Spizella socialis (Wils.) Bp.

Spizella pusilla (Wils.) Bp.

Passer domesticus L.

Corvus americanus Aud.

Sayornis fuscus (Sw.) 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 feathers on its head.
Colaptes auratus (L.) Sw.

Buteo pennsylvanicus (Wils.) Bp. Three
 were seen soaring together.

Falco sparverius. One seen

Chrysomitris tristis (L.) Bp.

Chaetura pelagica (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.

Empidonax ludovicianus (V.) Bp.

Passer domesticus L.

Chaetura pelagica (L.) Steph.

Carpodacus purpureus (Sw.) B.

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.) Sch.

Corvus americanus Aud.

Sayornis fuscus (Sw.) Bd.

Picus pubescens L.

Colaptes auratus (L.) Sw.

Buteo pennsylvanicus (Wils.) Bp.

Pandion haliaetus (L.) Savigny.

Ceryle alcyon (L.) Boie.

Antrostomus vociferans (Wils.) Bp. - First
 heard (at Fairview)

Dendroica tigrina Fad. May 15. 1876. Garrison's.

Putnam Co. N.Y. Collected by Wm. Osborn.

April 28.

Turdus migratorius L.

Ziata diaks L. / Haldeman.

Parus atricapillus L.

Semius ludovicianus (V.) Bp.

Carpodacus purpureus (Sw.) H.

Pooecetes gramineus (Sw.) Bod.

Melospiza melodia (Wils.) Bod.

Spizella socialis (Wils.) Bp.

Spizella pusilla (Wils.) Bp.

Corvus americanus Aud.

Sayornis fuscus (Sw.) Bod.

Phainopepla nitens L.

Colaptes auratus (L.) Sw.

Ceryle alcyon (L.) Bon.

Chaetura pelagica (L.) Steph.

Sturnella magna (L.) Sw. - Two seen & heard.

Molothrus pectorus (Sw.) Sw.

Accipiter fuscus

Accipiter cooperii Bp.

Astur atricapillus

Haliaeetus leucocephalus (L.) Savigny

No. 1349 *Accipiter fuscus* (Sw.) Bp. ♂ ad. Apr. 28. 1877.

Barren's, Putnam Co. N.Y. (W. Osborn)

Irides bright carmine; cere & eyelids, yellow.

Tarsi & toes yellow; bill blue, tipped with blackish

11 ¹²/₁₆, 20 ¹²/₁₆, 6 ¹⁰/₁₆, 5 ⁷/₁₆.

Falco sparverius seen by W. Osborn, at Barren's, Apr. 14. 1877.

April 30.

Among the birds noticed yesterday were the *Turdus pallasi* Cab.

Certhia familiaris L.

Semius ludovicianus (V.) Bp.

Molothrus pectorus (Sw.) Sw.

Pandion carolinensis (L.) Savigny.

Picus villosus L.

Anthostomus vociferus (Wils.) Bp.

Measurements

Spizella monticola Apr. 10. 1877. H. F.

6 ⁶/₁₆, 9 ¹²/₁₆, 2 ^{14 1/2}/₁₆, 2 ¹²/₁₆.

Junco hyemalis (L.) Sel. ♂ ad. Apr. 10. 1877. H. F.

6 ⁵/₁₆, 9 ¹²/₁₆, 2 ¹⁵/₁₆, 2 ¹²/₁₆.

Pooecetes gramineus (Sw.) Bod. ♂ ad. Apr. 21. 1877.

Convolv. Id. H. F. Irides, legs & feet brown, with base of mandible flesh-color - 6 ⁶/₁₀₀, 10 ⁵/₁₀₀, 2 ⁹⁵/₁₀₀, 2 ²⁷/₁₀₀.

Regulus satrapa Licht. ♂ ad. Apr. 24. H. F.

Irides dark hazel; bill black; legs & feet brownish yellow.

4 ⁶/₁₀₀, 6 ⁷⁰/₁₀₀, 2 ³⁰/₁₀₀, 1 ⁶⁵/₁₀₀, 1 ⁶⁰/₁₀₀, 3 ³⁰/₁₀₀.

Zonotrichia albicollis (Sw.) Bp. ♂ ad. Apr. 24. H. F.

Iris dark hazel; bill with maxilla dusky; mandible greenish horn-color. Legs & feet brownish flesh-color.

6 ⁷⁵/₁₀₀, 9 ⁶⁵/₁₀₀, 3, 2 ⁹⁰/₁₀₀, 8 ⁶/₁₀₀, 4 ⁸/₁₀₀.

No. 1350 *Colaptes auratus* (L.) Sw. ♂ ad. Apr. 21. 1877. H. F.

Iris reddish hazel; bill dead black. Legs & feet lead-color.

12 ⁷⁵/₁₀₀, 20 ³⁰/₁₀₀, 6 ³⁵/₁₀₀, 4 ⁷⁵/₁₀₀, 9 ⁶/₁₀₀, 1 ⁴¹/₁₀₀. 3rd took its claw 2 ³⁵/₁₀₀.

1351 *Vireo solitarius* (Wils.) V. ♀. Apr. 23. 1877. H. F.

Iris hazel; Tarsi and toes lead-color. Bill lead-color, blackish on maxilla.

5 ⁵⁰/₁₀₀, 9 ⁷/₁₀₀, 2 ⁸⁵/₁₀₀, 2 ⁴/₁₀₀, 7 ⁰/₁₀₀, 4 ⁸/₁₀₀.

1352 *Dendroica fusca* (Wils.) Bod. ♂ ad. Apr. 24. 1877. H. F.

Iris hazel; Bill dusky. Legs & feet yellowish brown; insides of toes, yellow.

5 ⁵⁰/₁₀₀, 8 ⁹⁰/₁₀₀, 2 ⁸⁵/₁₀₀, 2 ¹³/₁₀₀, 7 ⁰/₁₀₀, 4 ⁵/₁₀₀.

1353 *Semius ludovicianus* (V.) Bp. ♂ ad. Apr. 24. H. F.

Iris hazel; bill dusky. Legs & feet flesh-color

6 ³⁰/₁₀₀, 10 ²⁸/₁₀₀, 3 ³¹/₁₀₀, 2 ⁵⁷/₁₀₀, 8 ⁷/₁₀₀, 6 ⁰/₁₀₀.

1354 *Regulus calendula* (L.) Licht ♂ ad. Apr. 24. H. F.

Iris dark hazel; bill black; legs & feet blackish; toes yellow inside.

4 ⁵⁰/₁₀₀, 6 ⁸⁰/₁₀₀, 2 ³⁷/₁₀₀, 1 ⁶⁸/₁₀₀, 6 ⁷/₁₀₀, 2 ⁹/₁₀₀.

No. 1355 Falco sparverius L. ♂ ad. Apr. 25. 1877. Consook. Island, 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 $\frac{42}{100}$, 22 $\frac{38}{100}$, 7 $\frac{37}{100}$, 4 $\frac{85}{100}$. 1st toe & its claw, $\frac{75}{100}$. — 2nd, $\frac{88}{100}$. — 3rd, $\frac{31}{100}$. — 4th, $\frac{83}{100}$. Bill from cere to point $\frac{45}{100}$; along gape, $\frac{70}{100}$. Tip of bill to eye $\frac{80}{100}$.

List of Birds Seen.

- Turdus migratorius L.
- Sialia sialis (L.) Haldeman
- Parus atricapillus L.
- Mniotilta varia (L.) V. First seen to day; was singing a feeble but frequent song.
- Dendroica coronata (L.) D.
- Sturnus ludovicianus (W.) Bp.
- Hirundo horreorum Barton. The swallows have not congregated at Pills Pond as usual, this year: indeed: I have not seen one there at all, of any species.
- Carpodacus purpureus (Linn.) B.
- Chrysomitris tristis (L.) Bp.
- Melospiza melodia (Wils.) Bd.
- Melospiza palustris (Wils.) Bd.
- Spizella socialis (Wils.) Bp.
- Spizella pusilla (Wils.) Bp.
- Zonotrichia albicollis (Linn.) Bp.
- Cyanospiza cyanea (L.) Bp. First seen (2)
- Molothrus peccoris (Linn.) Sw.
- Agelaius phoeniceus (L.) V.
- Corvus americanus Aud. — Found a nest in a pine tree containing five eggs, on which the female was sitting.
- Sayornis fuscus (Linn.) Bd.
- Picus pubescens L.
- Colaptes auratus (L.) Sw.
- ~~Sturnus solitarius~~

Antrostomus vociferus (Wils.) Bp.
Strigoides macularius (L.) Sw. First seen.

May 1st

- Turdus migratorius L.
- Heaphysornis rufus (L.) Cat. — First seen
- Sialia sialis (L.) Haldeman.
- Regulus calendula (L.) Licht. — Singing delightfully
- Regulus satrapa Licht.
- Parus atricapillus L.
- Mniotilta varia (L.) V.
- Dendroica palmarum (Linn.) Bd.
- Dendroica coronata (L.) D.
- Sturnus ludovicianus (W.) Bp.
- Hirundo horreorum Barton.
- Tiro solitarius (Wils.) V.
- Carpodacus purpureus (Linn.) B.
- Chrysomitris tristis (L.) Bp.
- Melospiza melodia (Wils.) Bd.
- Spizella socialis (Wils.) Bp.
- Spizella pusilla (Wils.) Bp.
- Zonotrichia albicollis (Linn.) Bp.
- Passer domesticus L.
- Molothrus peccoris (Linn.) Sw.
- Corvus americanus Aud.
- Sayornis fuscus (Linn.) Bd.
- Antrostomus vociferus (Wils.) Bp.
- Picus pubescens L.
- Colaptes auratus (L.) Sw.
- Accipiter fuscus (Linn.) Bd.

May 2.

Today is very cold and windy. Nothing was observed. Birds are very scarce and silent. The Antrostomus vociferus are crying in the wood, this evening. The Turdus pallasi Cat. 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.
- Mniotilta varia* (L.) V. Abundant, singing.
- Dendroica coronata* (L.) Fr.
- Dendroica palmarum* (Em.) Bd.
- Chrysomitris tristis* (L.) Sp. Singing.
- Melospiza melodia* (Wils.) Bd.
- Spizella socialis* (Wils.) Sp.
- Spizella pusilla* (Wils.) Sp.
- Zonotrichia albicollis* (Em.) Sp.
- Passer domesticus* L.
- Corvus americanus* Aud. - Nest - 5 eggs found.
- Sayornis fuscus* (Em.) Bd.
- Antrostomus vociferus* (Wils.) Sp.
- Bonasa umbellus* (L.) Steph.
- Coleptes auratus* (L.) Sw.

Turdus fallax Cab. has been scarce and of irregular occurrence.
Regulus satrapa (L.) Licht. was scarce all winter.
Sitta carolinensis Em. not seen this year.
Anorthus hepemalis (Wils.) Cass. has not appeared lately, and I do not think I have seen it this year.
Ampelis cedrorum (L.) Bd. not seen since early in the spring.
Carpodacus persurus (Em.) Sp. singing and feeding on the young buds.
Ceryle cristatus (L.) Sw. scarcely ever seen.
Bonasa umbellus (L.) Steph. Capt. Cat. in a single nest two weeks ago, with 14 eggs.

May 4th 1877

Heallia Pandini tralactus (L.) Singing - Two seen on the river, one of which was pursued by a Crow.
Certhia familiaris

May 5th 1877

- Antrostomus vociferus* (Wils.) Sp.
- Regulus calendula* (L.) Licht.
- Regulus satrapa* Licht.
- Parus atricapillus* L.
- Certhia familiaris* L. - Very abundant.
- Dendroica coronata* (L.) Fr.
- Dendroica palmarum* (Em.) Bd.
- Mniotilta varia* (L.) V. - Singing in circles after sunset.
- Vireo solitarius* (Wils.) W. - Several seen.
- Zonotrichia albicollis* (Em.) Sp.
- Spizoprocne varius* (L.) Bd. Shot an adult male on a tree-trunk. It was mortally wounded, and after a moment its head went over backward, life being extinct, but its claws were so firmly fixed into the tree, that it did not fall to the ground.
- Pipilo erythrophthalmus* (L.) W. First seen.

May 7

- Turdus migratorius* L.
- Turdus mustelinus* Em. First seen - not singing.
- Sialia sialis* (L.) Haldeman.
- Regulus satrapa* Licht.
- Parus atricapillus* L.
- Mniotilta varia* (L.) V.
- Icteria virens* (L.) Bd. - First seen.
- Merula torquax* Barton
- Melospiza melodia* (Wils.) Bd.
- Spizella socialis* (Wils.) Sp.

Spyzella pusilla Will. Bp.
Zonotrichia albicollis Gmel Bp.
Melospiza fasciata Gmel Sw.
Agelaius phoeniceus L.
Corvus americanus Aud.
Corvus ossifragus Will. As I came up
 from the river my attention was particu-
 larly attracted to the very singular utter-
 ance of a crow that sat in an oak tree
 in front of Mr. Bell's house. Its note
 was a hollow guttural creak, quite differ-
 ent from the cawing of the American
crow still I thought it to be only an
 expression of some uncommonly
 strong emotion - perhaps it was
 a parent bird, whose nest I had
 spoiled, not far from there, several
 days previously. Accepting this con-
 clusion, I walked on, but the bird
 flew ahead of me and alighted
 upon a tree, far over on the other
 side of the highway, where it creaked
 most desirably. When I had arrived
 at the highway, before crossing over
 the stone wall I noticed that the crow
 had again taken flight and as it
 was coming somewhat in my direc-
 tion, I concluded to kneel behind the
 wall and perhaps thus obtain a shot.
 After waiting a few moments, I ventured
 to look out, and saw the bird flying
 in a circle not far off. Soon it appeared
 me, but very high up. When he got
 just over my head I fired. At least
 three shot went through his skull,
 and one ^{or more} through his breast. He struggled
 valiantly, as none of his limbs were broken

-all the way to the ground - reeling and turning
 over and twisting in all shapes. He fell
 close to me and when I reached him I
 found a fine example of the Fresh Crow.
Tamias auricapillus G. Sw. First heard,
Sayornis fusca Gmel Bd.
Empidonax minimus Bd. First seen
Picus pubescens L.
Colaptes auratus G. Sw.
Anthus vociferus Will. Bp.
Accipiter cooperi Bp.
Ardea herodias L. First seen.

May 8th. 1877

Turdus migratorius L.
Turdus naumetanus Gmel. Signis angelicalis.
Geothlypis trichas G. Cab.
Sialia sialis L. Haldeman. A pair has
 constructed its nest in a limb of an old
 cherry tree, in a hole excavated by a Picus
pubescens last winter. The entrance is
 very small, so it is with the greatest diffi-
 -culty that the bird can enter. I saw the
 male bird feed its sitting mate at the
 entrance of their house.
Regulus calendula G. Licht.
Parus atricapillus L. Great numbers of
 them were rustling among the seeds, on the
 salt marsh.
Dendroica coronata G. Sw.
Geothlypis trichas G. Cab. - First seen, uttering
 its usual single sharp note
Vireo solitarius Will.
Melospiza melodia Will. Bp.
Spyzella pusilla Will. Bp.
Sturnella socialis Will. Bp.
Pipilo lutescens

Seiurus auricapillus (L.) Sw.
Pipilo erythrophthalmus (L.) V.
Agelaius phoeniceus (L.) V.
Corvus americanus Aud.
Sayornis fuscus (Sw.) Bp.
Centurus vociferus (Wils.) Bp.
Coccyzus erythrophthalmus (L.) Sw.
Pandion haliaetus (L.) Savigny.
Fringillides macularius (L.) W. Abundant.
Ardea virescens L. - Several seen on the salt marsh

no swallows seen today, of any sort.
 The *Chaetura pelagica* (L.) Stept. have only seen a half dozen or so this spring - not noticed for several days past!
 Birds of all kinds usually resort to "Bill's Pond" in spring. Scarcely any have been seen there this year.
Cyanurus cristatus (L.) Sw. Not seen or heard for a long time - *Ampelis cedrorum* the same.

May 9th 1877

Turdus migratorius L.
Turdus mustelinus Sw. - Singing.
Parus hynchus rufus (L.) Sw. Singing.
Spizella socialis (L.) W. Alderman
Parus atricapillus L.
Troglodytes aedon V. First seen singing.
Mniotilta varia (L.) V.
Seiurus auricapillus (L.) Sw.
Seiurus ludovicianus (V.) Bp.
Sotomago ruticilla (L.) Sw. Singing.
Vireo solitarius (Wils.) V.
Vireo gilvus (V.) Bp. First seen.
Carpodacus purpureus (Sw.) Bp. Singing.
Chrysomitris tristis (W.) Bp.
Spizella socialis (L.) W. Bp.
Spizella pusilla (W.) Bp.
Passer domesticus L.

Zonotrichia albicollis (Sw.) Bp.
Agelaius phoeniceus (L.) V.
Corvus americanus Aud.
Sayornis fuscus (Sw.) Bp.
Empidonax minimus Bd.
Ceryle alcyon (L.) Sw.
Centurus vociferus (Wils.) Bp.
Coccyzus erythrophthalmus (L.) Sw.
Buteo pennsylvanicus (Wils.) Bp.

I heard its well known whistle, and crouching low, I saw it 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.
Bonasa umbellus (L.) Steph. Drumming

Mniotilta varia (L.) V. They sing very sweetly, sometimes for a long while together, perched upon the highest treetops. They also utter a low, inward note as they creep upon the tree-trunk.
Dendroica palmarum utters a feeble chirp as it wags its tail.
 No Willow L. seen today.

May 10. 1877

Labels of Skins

No. 356 *Carpodacus purpureus* (Sw.) Bp. ♂ ad.
 April 28. 1877. Saranac, Putnam Co. N.Y.
 Irides, legs & feet brown. Bill brownish
 flesh-color $6 \frac{35}{100}$, $10 \frac{20}{100}$, $3 \frac{26}{100}$, $2 \frac{27}{100}$.

No. 1357 *Minotilta varia* (L.) V. ♂ ad. May 1. 1877. H.F.
 Iris dark hazel. Bill bluish black. Legs and feet dusky greenish - claws bluish. Horn-color
 $5 \frac{30}{100}$, $8 \frac{70}{100}$, $2 \frac{87}{100}$, $2 \frac{7}{100}$. Bill $\frac{47}{100}$. gape $\frac{61}{100}$.
 Tarsi $\frac{65}{100}$. 1st toe & claw, $\frac{59}{100}$. - 2nd, $\frac{53}{100}$. -
 3rd, $\frac{70}{100}$. - 4th, $\frac{45}{100}$.

1358 *Spizella socialis* var. (L.) Bd. ♂ ad. May 5. 1877
 H.F. Iris dark brown. Bill blackish.
 Legs and feet lead-color. $8 \frac{62}{100}$, $15 \frac{50}{100}$, $4 \frac{82}{100}$, 3.
 Bill $\frac{85}{100}$. Along gape $1 \frac{7}{100}$. Tarsi $\frac{75}{100}$.

1359 *Minotilta varia* (L.) V. ♂ ad. May 5. 1877. H.F.
 $5 \frac{34}{100}$, $8 \frac{52}{100}$, $2 \frac{69}{100}$, $2 \frac{2}{100}$.

1360 *Corvus ossifragus* Mill. ♂ ad. May 7. 1877.
 H.F. Irides dark brown. Bill & feet blk.
 16 , $33 \frac{20}{100}$, $10 \frac{84}{100}$, $6 \frac{20}{100}$. Bill, $1 \frac{37}{100}$. Height of
 bill, $\frac{61}{100}$. - gape, $1 \frac{65}{100}$. Tarsi, $1 \frac{85}{100}$ (Measured
 from knee joint; not from beginning of feathers)
 1st toe, $\frac{75}{100}$. Its claw, $\frac{63}{100}$. - 2nd toe, $\frac{75}{100}$.
 Its claw, $\frac{44}{100}$. - 3rd toe, $1 \frac{30}{100}$; its claw, $\frac{47}{100}$.
 4th toe, $\frac{70}{100}$; its claw, $\frac{35}{100}$. Roundness of
 tail, $\frac{87}{100}$. Fourth quill longest, then 5th.
 - 3rd - 2nd: first shortest; decreasing
 from 4th to last.

1361 *Tamigoides macularius* (L.) G. ♂ ad. May 8.
 1877. Consook Island, Hudson Riv. N.Y.
 Iris dark hazel. Bill yellowish flesh-color,
 ridges brownish - tips of both mandibles, black.
 Legs and feet flesh-color, tinged with gray -
 nails dusky. $7 \frac{75}{100}$, $13 \frac{55}{100}$, $4 \frac{22}{100}$, $2 \frac{9}{100}$. Bill, $\frac{79}{100}$.
 along gape, $1 \frac{8}{100}$. Occiput, from end of bill, $1 \frac{88}{100}$.
 Tip of bill to eye, $1 \frac{34}{100}$. Tarsi, from knee joint,
 $1 \frac{93}{100}$. Bare part of tibia, to knee joint, $\frac{44}{100}$.
 hind toe, $\frac{46}{100}$; its claw $\frac{11}{100}$. - 2nd toe, $\frac{57}{100}$; its claw, $\frac{14}{100}$.
 3rd toe, $\frac{85}{100}$; its claw, $\frac{19}{100}$. 4th toe, $\frac{65}{100}$; its claw $\frac{13}{100}$.
 A web connects 3rd & 4th toes, which, measured
 from midway between toes to junction of
 toes, is $\frac{20}{100}$. Length from end of bill to end
 of toes, $8 \frac{70}{100}$.

No. 1362 *Tamigoides macularius* (L.) G. ♂ ad. May 8.
 Satchell's Point, Hudson Riv. N.Y.

Colors of parts the same as above - No. 1361.
 $7 \frac{82}{100}$, $13 \frac{85}{100}$, $4 \frac{48}{100}$, $2 \frac{12}{100}$, Bill, $\frac{92}{100}$, along gape $\frac{98}{100}$.
 Occiput, from end of bill, $1 \frac{85}{100}$. Tip of bill to eye,
 $1 \frac{28}{100}$. Tarsi, from knee joint, $\frac{93}{100}$. Tibia, from
 knee joint to commencement of feathers, $\frac{42}{100}$.
 From tip of bill to end of toes, $9 \frac{91}{100}$.
 Hind toe, $\frac{18}{100}$; its claw, $\frac{11}{100}$. - 2nd toe, $\frac{58}{100}$;
 its claw, $\frac{13}{100}$. - 3rd toe, $\frac{82}{100}$; its claw, $\frac{18}{100}$.
 4th toe, $\frac{68}{100}$; its claw, $\frac{13}{100}$. - Web, $\frac{21}{100}$.

1363 *Vireo solitarius* (Mill.) V. ♂ ad. May 8. H.F.
 Irides dark reddish brown. Bill black - basal
 half of mandible, blue. Tarsi & toes lead-color.
 $5 \frac{50}{100}$, $9 \frac{25}{100}$, $2 \frac{94}{100}$, $2 \frac{6}{100}$. Bill, $\frac{42}{100}$ - along
 gape, $\frac{62}{100}$. Tarsi, $\frac{70}{100}$. Middle toe its claw, $\frac{65}{100}$.

1364 *Geothlypis trichas* (L.) G. ♂ ad. May 8.
 Consook Id., Hudson River, N.Y. (Marshes)
 Irides very dark. Bill black. Tarsi & toes
 brownish flesh-color. Nails brownish
 $5 \frac{42}{100}$, $7 \frac{30}{100}$, $2 \frac{33}{100}$, $2 \frac{14}{100}$. Bill, $\frac{43}{100}$. - along
 gape, $\frac{54}{100}$. Occiput, $1 \frac{19}{100}$. Tarsi, $\frac{81}{100}$.
 1st toe, $\frac{25}{100}$; its claw, $\frac{25}{100}$. - 2nd toe, $\frac{31}{100}$; its
 claw, $\frac{14}{100}$. - 3rd toe, $\frac{50}{100}$; its claw, $\frac{19}{100}$.
 4th toe, $\frac{36}{100}$; its claw, $\frac{16}{100}$. Third and fourth
 toes united for a distance of $\frac{9}{100}$ of an inch.

1365 *Setophaga ruticilla* (L.) G. ♂ ad. May 9.
 H.F. Irides very dark brown. Bill black.
 Legs & feet brownish black.
 $5 \frac{35}{100}$, 8, $2 \frac{62}{100}$, $2 \frac{30}{100}$. Bill, $\frac{35}{100}$ - along
 gape, $\frac{50}{100}$ - width at base, $\frac{20}{100}$. - depth, $\frac{11}{100}$.
 Occiput, $1 \frac{10}{100}$. Tarsi, $\frac{68}{100}$. 1st toe, $\frac{21}{100}$; its claw, $\frac{18}{100}$.
 2nd toe, $\frac{23}{100}$; its claw, $\frac{12}{100}$. - 3rd toe, $\frac{36}{100}$; its
 claw, $\frac{15}{100}$. - 4th toe, $\frac{27}{100}$; its claw, $\frac{11}{100}$.

Ed of Birds Jan 7
Turdus migratorius L.

Carpodacus mexicanus (L.) Cab.
Stelina biala (L.) Haldeman.
Parus atricapillus L.
Certhia familiaris L.
Sporoglyptes cedrorum V. Singing.
Mniotilta varia (L.) V.
Geothlypis trichas (L.) Cab.
Icteria virens (L.) Bd.
Ammodramus borealis Barton - scarce.
Chrysomitris tristis (L.) Sp.
Melospiza melodia (Wils.) Bd.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Pipilo erythrophthalmus (L.) V.
Agelaius phoeniceus (L.) V.
Corvus americanus Aud.
Sayornis fuscus (Wils.) Bd.
Antrostomus vociferus (Wils.) Bp.
Ceryle alcyon (L.) Boie.
Picus pubescens L. one heard.
Colaptes auratus (L.) Sw.
Accipiter fuscus (Wils.) Bp.
Bonasa umbellus (L.) Steph.
Columba virginiana Bonn. I heard
its loud laughing cry very distinctly,
several times repeated, and at last espied
the bird, at an immense height
flying about irregularly in large-
~~circles~~ ^{circles} after changing its direction,
until it at last disappeared.

Today 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 in
favorable looking places, I even fired
in 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
A fire has raged there. The blackened
ground shows the remains of thousands
of scorched snails - Helix, and doubt-
less the Bonasa umbellus have had
many of their eggs destroyed. The
birds themselves have collected in the
valley - (beneath the cliff) below.

Now the shoulder of Cro' Nest -
southeast of the summit is a deep
hollow, with a round swampy
basin, from which great trees &
tumblers, birches &c - are growing,
and in nearly everyone of which
a large old nest of foxed. These nests
may have been Crook's nests - hence
the name? This swamp is
a very picturesque place. Huge tree
trunks are piled about, covered with
beautiful mosses and plants. The
Lawrels are the largest I have ever
seen in this neighborhood. A single
pair of Crows are nesting there this
season. Last season a pair of
Buteo borealis made it their breeding-
sow, at this season. And I found
the Turdus pallasi there long
after they had disappeared elsewhere,
on their northward journey.

May 11th 1877

- Turdus migratorius* L. - Singing.
 - Turdus mustelinus* Em. - Abundant.
 - Cyanocitta stelleri* (L.) Cab.
 - Myiurus carolinensis* (L.) Bo. First seen.
 - Sialia sialis* (L.) Haldeman
 - Parus atricapillus* L.
 - Certhia familiaris* L.
 - Troglodytes aedon* V.
 - Mniotilta varia* (L.) V. Very abundant; singing.
 - Parula americana* (L.) Bp. First seen
- As I stood by the side of a brook I heard one singing its melting notes with great energy. This queer song is rather pleasant, as it strikes the ear, but, altogether, the bird's song ~~is rather~~ ^{possesses} little merit.
- Seyurus auricapillus* (L.) Sw. Abundant.
 - Seyurus ludovicianus* (V.) B. do
 - Geothlypis trichas* (L.) Cab.
 - Setophaga ruticilla* (L.) Sw. Singing.
 - Vireo solitarius* (Mils.) V.
 - Melospiza melodia* (Mils.) Bd.
 - Spizella socialis* (Mils.) Bp. Singing.
 - Spizella pusilla* (Mils.) Bp. do
 - Pipilo erythrophthalmus* (L.) V. Singing
- its sweet little song from the tree-tops.
- Chrysomitris tristis* (L.) Bp.
 - Molothrus peccatus* (Em.) Sw.
 - Corvus americanus* Aud.
 - Cyanurus cristatus* (L.) Sw.
 - Agelaius fuscus* (Em.) Bd.
 - Catostomus vociferus* (Mils.) Bp.
 - Ceryle alcyon* (L.) Bo.
 - Colaptes auratus* (L.) Sw.
 - Bonasa umbellus*

May 12

- Turdus migratorius* L.
 - Turdus mustelinus* (Em.)
 - Turdus pallasi* Cab. - one shot.
 - Cyanocitta stelleri* (L.) Cab.
 - Myiurus carolinensis* (L.) Bo.
 - Parus atricapillus* L.
 - Troglodytes aedon* V.
 - Mniotilta varia* (L.) V. very abundant.
 - Parula americana* (L.) Bp. - abundant.
 - Dendroica virens* (Em.) Bd. First seen; abundant.
 - Dendroica caerulescens* (L.) Bd. First seen.
 - Dendroica coronata* (L.) Bo. scarce.
 - Seyurus auricapillus* (L.) Sw. very abundant
 - Seyurus ludovicianus* (V.) Bp.
 - Geothlypis trichas* (L.) Cab.
 - Setophaga ruticilla* (L.) Sw. abundant. Its
- sing resembles that of *Mniotilta varia*.
- Hirundo horreorum* Barton.
 - Vireo solitarius* (Mils.) V.
 - Vireo gilvus* (V.) Bp.
 - Vireo flavifrons* V. - First seen
 - Carpodacus purpureus* (Em.) Bo.
 - Chrysomitris tristis* (L.) Bp.
 - Melospiza melodia* (Mils.) Bd.
 - Spizella socialis* (Mils.) Bp. Singing.
 - Spizella pusilla* (Mils.) Bp.
 - Laticincta albicollis* (Em.) Bp.
 - Passer domesticus* L.
 - Pipilo erythrophthalmus* (L.) V.
 - Agelaius phoeniceus* (L.) V. The reeds
- at the lower end, above Harrisburg, were swarming with them. The quizzing 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 been deserted.

Sayornis fuscus (Sw.) Bd.

Empidonax minimus Bd.

Chaetura fulascia (L.) Steph.

Ceryle alcyon (L.) Boie

Antrostorhus vociferus (Wils.) Bp.

Quercus pubescens L.

Colaptes auratus (L.) Sw.

Bonasa umbellus (L.) Steph. drumming loudly in the Night Heronry on Constitution Island.

Zonotrichia carolinensis (L.) Bp. W. C. C. shot a beautiful male from the R.R. track above Taber's in the corner of Cove.

Nyctardea naumii (Bodd.) Allen

Late this afternoon I visited the Night Heronry, on Constitution Island.

We found quite a large number of Herons there, busily engaged carrying sticks for their nests. I found this rather shy. I shot one very handsome specimen from 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 singularly serrated middle claw, and speculated as to its use.

Ardea herodias L. Several were seen in the Night Heronry

Trochilus colubris L. First seen

Ampelis cedrorum (W.) Bd. First seen

May 14. (and 13th June)

Yesterday (Sunday) I noticed the following birds about the bay, and driving to West Point.

Larus migratorius L.

Larus mustelinus Sw.

Harporhynchus rufus (L.) Cat.

Pipilo carolinensis (W.) Bp. Singing.

Spizella socialis (L.) Haldeman

Parus atricapillus L.

Troglodytes aedon V.

Mniotilta varia (L.) V.

Helminthophaga ruficollis (W.) Bd. First seen

Dendroica coronata (L.) Sw.

Geothlypis trichas (L.) Cat.

Icteria virens (L.) Bd.

Delophaga ruticilla (L.) Sw.

Arundo horreorum Barton

Ceryle somateria tristis (L.) Bp.

Melospiza melodia (W.) Bd.

Spizella socialis (W.) Bp.

Spizella pusilla (W.) Bp.

Zonotrichia albicollis (Sw.) Bp.

Passer domesticus L.

Pipilo erythrophthalmus (L.) V.

Molothrus pecoris (Sw.) Sw. I noticed

two males of a pair that sat in a thicket by the road-side. The female uttered a loud note like the key-note of Ampelis cedrorum, while the male bird uttered various uncouth guttural sounds, some of which resembled the loud tooth-picking sounds of the Corvidae, while others were precisely like the sound produced

by shaking a partly empty wine-cask.

- Icterus baltimore (L.) Daudin - first seen
- Corvus americanus Aud.
- Cyanurus cristatus (L.) Sw.
- Tyrannus carolinensis (L.) Bd. first seen
- Sayornis fusca (Gm.) Bd.
- Empidonax minimus Bd.
- Coccyzus erythrophthalmus (Wils.) Bd. I thought I heard their notes but am not quite certain about it.
- Spinus tristis L.
- Coccyzus erythrophthalmus (L.) Sw.
- Amotomus vociferans (Wils.) Sp.
- Chaetura pelagica (L.) Stept.

List of Birds seen today

(Went nearly all day at work in doved only went out a little while this P.M.)

- Turdus migratorius L. Sung
- Turdus mustelinus Sw. Singing
- Harporhynchus rufus (L.) G. Sung
- Mimus carolinensis (L.) G. Sung
- Troglodytes aedon V.
- Dendroica caerulescens (L.) Bd.
- Dendroica maculosa (Gm.) Bd. first seen
- Sciurus auricapillus (L.) Sw.
- Icterus virens (L.) Bd.
- Helminthophaga ruficapilla (Wils.) Bd.
- Helminthophaga ruticilla (L.) Sw. Female first seen. It flew out in circles after insects snapping its bill loudly, uttering a sharp chirp.
- Arundo torrorum Barton
- Spizella socialis (Wils.) Sp.
- Spizella pusilla (Wils.) Sp.
- Arremonia albicollis (Gm.) Sp.

- Passer domesticus L.
- Cyanospiza cyanea (L.) Bd.
- Pipilo erythrophthalmus (L.) W. Its song tho' somewhat monotonous is exquisitely beautiful
- Icterus baltimore (L.) Daudin. Sung
- Corvus americanus Aud.
- Cyanurus cristatus (L.) Sw. A large flock flew over the woods this afternoon and they were heard during the day.
- Empidonax minimus Bd.
- Amotomus vociferans (Wils.) Sp. This evening I approached a wall behind which a pair of Whippoorwills were singing. Every moment they would fly out after insects in small circles, immediately continuing their notes, so that scarcely any interruption would be noticed. Between each whip-poor-will they uttered a cooing chuck, as usual, and then a low guttural hollow cau-ca-ca-ca-ca-hic-hic-hic-ca-ca-tic etc this was probably their love notes, and was uttered in a low hollow tone. I shot the male, at which the female flew close up to me - tho' a little way off and commenced a loud whip-poor-will in seemingly a joyous tone, but, probably this is the one way of expressing emotion
- Chaetura pelagica (L.) Stept.
- Coccyzus erythrophthalmus (Wils.) Bd.
- Pipilo villosus L. Several heard - female shot.
- Picus pubescens L.
- Sonasa umbellus (L.) Stept. Drumming
- Helminthophaga ruticilla (L.) Sw. When first arriving a series just like that of minutularia, but

afterwards, as the love season approaches their song improves, and is very sweet and quite varied.

May 15

- Turdus migratorius L.
- Turdus mustelinus Gm.
- Turdus swainsoni Cab. First seen; abundant.
- Turdus fuscus L. Steph. First seen; abundant.
- Harporhynchus rufus L. Cab.
- Thryothorus carolinensis L. Gm.
- Chialia sialis L. Haldeman
- Etholodytes aedon V.
- Mniotilta varia L. V. Here after insects.
- Parula americana L. Bp. Sees.
- Helminthophaga ruficapilla (Wils) Bd. Abundant.
- Dendroica virens (Gm) Bd. Abundant.
- Dendroica caerulescens L. Bd. Abundant.
- Dendroica coronata L. Gm. Female first seen.
- Dendroica blackburniae (Gm) Bd. First seen.
- Dendroica pennsylvanica L. Bd. First seen.
- Dendroica maculosa (Gm) Bd.
- Syrnium arcticum L. Sw.
- Scirpus arcticus (Gm) Nutt. First seen. Shyly running about on the ground by the edge of the pond bobbing its tail, but quite mute.
- Scirpus ludovicianus V. Bp.
- Geothlypis trichas L. Cab.
- Icterus virens L. Bd.
- Melospiza mitratus (Gm) Aud. First seen
- Stelophaea reticilla L. Sw. First seen; and seen
- Pyraura rubra L. V. First seen; one female seen
- Hirundo horreorum Barton
- Lophocineta bicolor V. L.
- Ampelis cedrorum L. Bd.
- Ardea solitaria (Wils) V. I shot one and

wounded it so that it fell to the ground when I approached the brave little fellow flew at me and used both bill and claws with his whole strength in self defence. It was a splendid exhibition of courage and pluck, and not the first I witnessed in this same species.

The Carpodacus purpureus always shows fight when wounded.

- Chrysomitris tristis L. Bp.
- Spizella socialis (L.) Bp.
- Spizella pusilla (Wils) Bp.
- Zonotrichia albicollis (Gm) Bp.
- Cyanospiza cyanea L. Bd. Abundant; sings.
- Pipilo erythrophthalmus, L. V. It has a prolonged feeble note which it utters as it scratches in the leaves.
- Icterus Baltimore L. D. and
- Icterus spurius L. Bp. First seen
- Corvus americanus Aud.
- Cyanurus cristatus L. Sw.
- Cypselurus minimus Bd.
- Antrostomus vociferus (Wils) Bp. Abundant
- Chaetura pelagica L. Steph.
- Coccyzus erythrophthalmus (Wils) Bd.
- Picus villosus L. Several seen.
- Colaptes auratus L. Steph.
- Buteo pennsylvanicus (Wils) Bp. 7 wounded
- Totanus solitarius Wils. First seen, in the swamp below the pond, & shot.

May 16.

- Turdus migratorius L.
- Turdus mustelinus Gm.
- Turdus swainsoni Cab. Abundant.
- Turdus fuscus L. Steph. Abundant.
- Harporhynchus rufus L. Cab.
- Thryothorus carolinensis L. Gm.

Sialia sialis (L.) Haldeman
Tarus atricapillus (L.) Sw.
Troglodytes aedon V.
Mniotilta varia (L.) V.
Parus americana (L.) Bp.
Helminthophaga ruficapilla (Wils.) Bd.
Dendroica virens (Gm.) Bd. Abundant
Dendroica caerulescens (L.) Bd. do
Dendroica coronata (L.) Sw. do
Dendroica blackburnii (Gm.) Bd. do
Dendroica pennsylvanica (L.) Bd. do
Dendroica maculosa (Gm.) Bd. do
Sturnus auricapillus (L.) Sw. do
Geothlypis trichas (L.) Cat. do
Setophaga ruticilla (L.) Sw. do
Pyrranga rubra (L.) V.
Hirundo horreorum Barton
Vireo olivaceus (L.) V. First seen
Columpomis tristis (L.) Bp.
Spizella pusilla (Gill.) Bp.
Spizella socialis (Wils.) Bp.
Troglodytes aedon (Gm.) Bp. Abundant
Goniophes ludovicianus (L.) Bonap. - First seen
Cyanospiza cyanea (L.) Bd. Abundant
Pipilo erythrophthalmus (L.) V.
Icterus ballinore (L.) Daud.
Icterus spurius (L.) Bp.
Corvus americanus Aud.
Tyrannus carolinensis (L.) Bd.
Empidonax minimus Bd.
Centurus vociferus (Wils.) Bp.
Chaetura pelagica (L.) Steph.
Coccyzus erythrophthalmus (Wils.) Bd.
Haliaeetus leucocephalus (L.) Savigny
 An adult bird seen - ✓

May 17th 1877
List of Birds seen

Turdus migratorius L.
Turdus mustelinus Gm.
Turdus swainsoni Cat. Very abundant; utter
 a note sounding like the bursting of
 air bubbles rising to the surface of fluid.
Turdus fuscescens (L.) Steph. - Abundant.
Harporhynchus rufus (L.) Cat.
Mimus carolinensis (L.) Sw.
Sialia sialis (L.) Haldeman.
Troglodytes aedon V.
Mniotilta varia (L.) V.
Helminthophaga junco (L.) Bd. I shot a
 female that was skiffing about among
 the low limbs of a small oak-tree by
 the side of a narrow brook, opposite a thick
Helminthophaga ruficapilla (Wils.) Bd.
Dendroica aestiva (Gm.) Bd. First seen.
Dendroica virens (Gm.) Bd. Abundant.
Dendroica caerulescens (L.) Bd. Females abundant
Dendroica coronata (L.) Sw.
Dendroica pennsylvanica (L.) Bd.
Dendroica maculosa (Gm.) Bd. Abundant.
Sturnus auricapillus (L.) Sw. Very abundant.
Sturnus noveboracensis (Gm.) Nutt. Quite mute.
Geothlypis trichas (L.) Cat. Very abundant
 some of them are paired, and seen
 along the ground under the thickest
 bushes, constantly answering each
 others sharp distinct, call-note
Icterus virens (L.) Sw.
Myiodytes nitens (Gm.) Bd. Abundant
 I saw many females without any
 black on the top of their heads.
 They have a deep metallic note

Myioides pusillus (Wils.) Bp. First seen
 I shot a fine male just as he alighted
 on a dry branch, preparatory to plugging
 into a dense, tangled thicket I
 was obliged to shoot it instantly, so
 learned nothing of its habits. It
 uttered a short chirp as it flew.

Setophaga ruticilla L. Sw.
Pyrranga rubra L. V. Perfectly mute
Hirundo torreorum Barton
Tireo olivaceus L. V.
Chrysomitris tristis (L.) Bp. Molt completed.
Spizella socialis (Wils.) Bp.
Spizella pusilla (Wils.) Bp.
Ammodramus leucotis (Sw.) Bp.
Troglodytes ludovicianus (L.) Bp. ^{Reddish}
 Where its peculiar hawk ... I was
 not seen. Rather abundant.

Pipilo erythrophthalmus L. V.
Icterus baltimore (L.) Daud.
Icterus spurius (L.) Bp. - Very abundant
Corvus americanus Aud. Its young
 are hatched. I heard them caw
 as their mother fed them, after
 which she flew in small circles
 round the nest, talking to them,
 modulating her tones so whimsically
 that it made me laugh outright.

Cyanurus cristatus (L.) Sw.
Tyrannus carolinensis (L.) Gd.
Contopus virens (L.) Cap. First seen
Empidonax ~~flaviventris~~ ^{flaviventris} (L.) Bp. First seen
 Frequent occupant of thickets.
Empidonax minimus Bp.
Antrostomus vociferus (Wils.) Bp.
Chaetura pelagica (L.) Steph.
Ceryle alcyon (L.) L.

Coccyzus erythrophthalmus (Wils.) Bd.
Colaptes auratus (L.) Sw.
Buteo pennsylvanicus (Wils.) Bp.
Syringoides macularius (L.) Sw.
Ardea virescens L.

May 18th 1877.

Turdus migratorius L.
Turdus mustelinus Sw.
Turdus swainsoni Cab.
Turdus fuscescens (L.) Steph.
Mimus carolinensis (L.) Sw.
Harporhynchus rufus (L.) Cab.
Sialia sialis (L.) Hold.
Parus atricapillus L.
Troglodytes cedrorum V.
Mniotilta varia (L.) V.
Parula americana (L.) Bp.
Helminthophaga ruficapilla (Wils.) Bd.
Dendroica aestiva (Sw.) Bd.
Dendroica virens (Sw.) Bd.
Dendroica caerulescens (L.) Bd.
Dendroica coronata (L.) Sw.
Dendroica blackburniae (Sw.) Bd.
Dendroica castanea (Wils.) Bd. (First seen)
Dendroica maculosa (Sw.) Bd.
Dendroica pennsylvanica (L.) Bd.
Seiurus aurocapillus (L.) Sw.
Seiurus ludovicianus (V.) Bp.
Geothlypis trichas (L.) Cab.
Icteria virens (L.) Bp.
Myiodynastes migratorius (Sw.) Aud.
Myiodynastes canadensis (L.) Aud. (First seen)
Setophaga ruticilla (L.) Sw.
Pyrranga rubra L. V.
Ampelis cedrorum (L.) Bd.
Tireo olivaceus (L.) V. Singing sweetly

Vireo flavifrons V.
 Vireo solitarius (Wils.) W.
 Chrysomitris tristis (L.) Bp.
 Spizella socialis (Wils.) Bp.
 Spizella pusilla (Wils.) Bp.
 Geothlypis albicollis (Sw.) Bp.
 Geothlypis leucophrys (Forst.) Sw. First seen
 One was seen sitting quietly on the
 stone wall, beside the gate, as I was
 going to the village. Another was
 seen returning home, just out of
 the village

Zonotrichia ludoviciana (L.) Bourc.
 Zenaidura macroura (L.) Bd.
 Falco erythrophthalmus (L.) V.
 Icterus baltimore (L.) Daudin
 Icterus spurius (L.) Bp. Singing very sweetly
 Corvus americanus Aud.
 Cyanurus cristatus (L.) Sw.
 Tyrannus carolinensis (L.) Bd.
 Contopus virens (L.) Cab.
 Empidonax minimus Bd.
 Empidonax flaviventris (Sw.) Bd.
 Antrostomus vociferans (Wils.) Bp.
 Chordeiles virginianus (Buss.) Bp. First
 seen. Numbers flew about this
 evening uttering their hoarse cry.
 Trochilus colubris L.
 Chaetura pelagica (L.) Steph.
 Bonasa umbellus (L.) Steph. - Drumming
 I caught a Clear-winged Cuckoo
 it was hovering over the lake

May 19th 1877

Turdus migratorius L.
 Turdus mustelinus Sw.
 Turdus swainsoni Cab. Very plenty
 Turdus alvica (Bd.) Es. First seen
 Has a tubble-tarting note, like that
 of Turdus swainsoni. They are more
 shy and prefer the deep solitudes of the
 forest.

Mimus carolinensis (L.) Sw.
 Harporhynchus rufus (L.) Sw.
 Sialia sialis (L.) Gmelin
 Troglodytes aedon - V. - Building
 Parula americana (L.) W. I noticed quite
 a varied and pleasing song from
 this bird, but followed by a rapid
 succession of harsh, filling notes.

Dendroica mini (Sw.) Bd. Very plenty
 Its song is quite pretty
 Dendroica coronata (L.) Sw. Abundant.
 Dendroica strata (Forst.) (Sw.) (First seen)
 Dendroica castanea (Wils.) Bd. Very plenty
 Rather heavy and slow ^{in movement} among
 the tree tops.

Dendroica peninsularis (L.) Bd. I shot
 a bird in worn plumage, like the
 autumnal young of this species
 Dendroica maclosa. (Sw.) Bd. Very abundant.
 Sturnus auricapillus (L.) Sw. Runs like a
~~Sturnus~~ partridge - not by holes.

Zenaidura macroura (L.) Sw.
 Myiarchus cinereus (Sw.) Aud. Abun-
 dant - sings sweetly
 Myiarchus canadensis (L.) Aud. Both
 sexes exceedingly abundant. Sing
 very sweetly - not unlike the song of
 the Zenaidura macroura

Sitophaga ruticilla L. / Sw. Very plenty
Lings very nicely

Pyrranga rubra L. W. Abundant

Arundo torcorum Barton

Empelis cedrorum (V. B.)

Vireo olivaceus (L. W.) Lings

Vireo gilvus (V. B.)

Chrysomitris tristis (L. B.)

Melospiza melodia (W. B.)

Spizella socialis (W. B.)

Pipilo erythrophthalmus (L. W.)

Icterus galbula (L. D.) Building

Icterus spurius (L. B.)

Corvus americanus Aud.

Centurus virens (L. C.)

Empidonax minimus B. Abundant

Protonotus vociferans (W. B.)

Chaetura pelagica (L. S.)

Coccyzus erythrophthalmus (W. B.)

Colaptes auratus (L. S.)

Tringoides macularius (L. G.)

I spent very little time in the woods. The thermometer has marked above eighty for four days.

May 21st 1877

Turdus migratorius L.

Turdus mustelinus Gm.

Turdus fuscescens (L. S.)

Turdus aliciae (B. C.)

Sialia sialis (L. H.)

Parus atricapillus L.

Mimus carolinensis (L. G.)

Thryothorus rufus (L. C.)

Parula americana (L. B.)

Dendroica virens (W. B.)

Icteria virens (L. B.)

Dendroica striata (F. B.)

Myiodynastes virens (L. C.)

Myiodynastes canadensis (L. C.)

Geothlypis trichas (L. C.)

Sitophaga ruticilla L. Sw.

Pyrranga rubra L. W.

Arundo torcorum Barton

Tachycineta bicolor (W. B.)

Petrochelidon lunifrons (J. G.) (First seen)

Ceryle alcyon (L. C.)

Empelis cedrorum (V. B.)

Vireo olivaceus (L. W.)

Vireo flavifrons V.

Vireo noveboracensis (First seen - Lings)

Chrysomitris tristis (L. B.)

Melospiza melodia (W. B.)

Spizella socialis (W. B.)

Cyanospiza cyanea (L. B.)

Pipilo erythrophthalmus (L. W.)

Agelaius phoeniceus (L. W.)

Troglodytes aedon V.

Telmatorhynchus fuscus (W. C.) (First seen)

Icterus galbula (L. D.)

Icterus spurius (L. B.) They sing while flying and immediately utter a sharp clicking rattle upon alighting.

Corvus americanus Aud.

Cyanospiza cyanea (L. B.)

Colaptes auratus (L. S.) Found nest containing three eggs and a broken egg lay at the foot of the tree. This seems to be a very common accident, and I cannot account for it.

Trochilus colubris L.

Coccyzus erythrophthalmus (W. B.)

- Chaetura pelagica* (L.) Steph
- Antrostomus vociferus* (Wils.) Bp.
- Spingoides macularius* (L.) Bp.
- Chordeiles virginianus* (Brisson) Bp.

May 22nd 1877

- Turdus migratorius* L. I found a nest full of quite large young
- Turdus mustelinus* Sw.
- Turdus alicola* (Bd.) Gs.
- Turdus fuscescens* (L.) Steph.
- Mniotilta carolinensis* (L.) Bp.
- Agelaius phoeniceus* (L.) Cat.
- Sialia sialis* (L.) Haldeman
- Parus atricapillus* L.
- Dendroica striata* (Forst.) Bp.
- Dendroica castanea* (Wils.) Bp. I shot a female, that was singing a very brightly song.
- Spinus auricapillus* (L.) Sw.
- Spinus ludovicianus* (V.) Bp.
- Serripus trichas* (L.) Cat.
- Myiodytes mitratus* (Sw.) Aud.
- Myiodytes canadensis* (L.) Aud.
- Setophaga ruticilla* (L.) Sw. Building
- Pyrrhuloxia rubra* (L.) V.
- Hirundo horreorum* (Burtin)
- Tico olivaceus* (L.) V. found completed nest
- Chrysomitris tristis* (L.) Bp.
- Melospiza melodia* (Wils.) Bp.
- Spizella socialis* (Vels.) Bp.
- Spizella pusilla* (Wils.) Bp.
- Zonotrichia albicollis* (Sw.) Bp.
- Cyanospiza cyanea* (L.) Bp.
- Spizella erythra (stethalunus)* (L.) Bp.
- Molothrus fuscus* (Sw.) Sw.
- Dolichonyx oryzivorus* (L.) L.

- pretty male Bobolink sat on apple tree in the lane, singing his Liberty, quizzing, tinkling song.
- Icterus fulvirostris* (L.) Daudin
- Icterus spurius* (L.) Bp.
- Corvus americanus* Aud.
- Cyanurus cristatus* (L.) Sw.
- Tyrannus carolinensis* (L.) Bd.
- Agelaius phoeniceus* (L.) Bp.
- Colaptes auratus* (L.) Cat.
- Empidonax minimus* Red.
- Antrostomus vociferus* (Wils.) Bp.
- Chordeiles virginianus* (Brisson) Bp.
- Chaetura pelagica* (L.) Steph.
- Ceryle alcyon* (L.) Boie.
- Ceryle erythrorhynchos* (Wils.) Bp.
- Colaptes auratus* (L.) Sw.
- Bonasa umbellus* (L.) Steph.

May 23rd 1877

I spent today in examining the Hirundo and Castroville Id, and in adjacent woods.

I examined nine Heron's nests, they all seem to be newly constructed of sticks, which we saw them carrying, in their bills, on our previous visit. The nests were rather elaborate, quite deeply hollowed, and finished inside with finer sticks. Their general shape being funnel-shaped, the centre inward, so that the outside was rather prettily aspect. Some of the sticks have green leaves attached to them, and in one case a nest was quite well lined with green leaves, from a tree close by. They seem to prefer the spaces to thick trees, as there were

now plenty of them, but there are many old nests situated on the summits of the birches. All of the nests I examined were placed in mapsles. Some nests contained four eggs each. One contained five eggs, and one had no less than six in it. I think that the whole complement had been deposited in each case.

The birds give ~~them~~ for the maximum no. of eggs, but on my first visit to this brood, I examined a very large number of nests containing into eggs and young. I found four to be the usual number, but five was not at all uncommon. While some contained only one, two, or three, say, or young, but this was not all, owing to the ravages of the Owl.

While I shot a crow in the act of stealing their eggs. He came silently, and stealthily, but very well directed. He closed his rapacious career, and tumbled victoriously to the ground. As he was about to indulge his voracious appetite at such great cost to the poor Heron.

The *Cyanus cristatus* (21) is also now proceeding about, probably with the same or malvolent designs.

No nests of *Ardea herodias* were seen.

As I advanced into the swamp the sitting birds left their nests with heavy wing beats and loud *Quac-quac* and other sounds, as they alighted in

the distant pines, followed a series of guttural, and barking sounds, that made me laugh. At first there were plenty of opportunities to shoot the birds, but I was more intent on watching them, and watching their habits. Afterward they became very shy, so that it was impossible to get a shot. For they all left the swamp and perched upon the loftiest pines in various parts of the swamp, and island, only returning, in small bands, occasionally, and when they discovered me, they retreated farther off than before. They flew quite high. When shot they usually cling to their rostrum and only fall when life becomes quite extinct. They die very slowly although a very small shot will kill one.

One of my shots broke the wing of a fair adult bird. He fell to the ground, but soon picked himself up, and ran straight to the bushes, croaking so loudly that soon all the ^{whole} swamp was croaking over my head as I ran after the wounded bird. He squatted, but his white plumage could not be concealed, so at last I caught him, and ended his ~~career~~ after a tame struggle, on the birds part, while I was nearly deafened by his screams.

I shot two other birds, one an adult and one, a second year's bird, in very unusual plumage. The only one I have seen like it. The latter I shot as it was perched over the tree tops with its tail in its bill. He sailed into a

a distant tree top, where I found him sitting upright, with neck drawn in. I shot him a second time, but he stood the shot unflinchingly, but soon grew weak, swaying from side to side, at last drooping, as life was extinct, but still clinging with his claws. He was quite dead when I climbed up to dislodge him.

While I sat in a tree to get him alighted close beside me, in a neighboring tree. I kept quiet. He remained standing erect, with crest alternately raised and depressed, as he apprehended danger. At length he spied me, but still held the same posture, only slightly moving his head. I noticed especially the beauty of the creature's eye, and also that the long feathers on top of the head always remain together. - Shown, only once. At my first movement he flew away with a loud quack, at first dangling his legs but afterward the stout straight out beyond his tail.

Other Birds Seen

- Heterosyrnium superciliosum* (L. Cab.)
- Zenaidura macroura* (Gmel) 1 ♂ seen on the Island.
- Sturnella aureicapillus* (L. Sw.)
- Sturnella trichas* (L. Cab.) Very abundant in the meadows. They make pipes up in the air, & roll & loudly and wittingly his body like the
- Icteria virens* (L. Bd.) Seen in the swamp.
- Setophaga ruticilla* (L. Sw.) - Very plenty in the swamp, and elsewhere.
- Ammodramus* - Abundant in the meadows.
- Petrochelidon lunifrons* (Say) Cab. de

- Tachycineta bicolor* (V. L.) rather scarce in meadows.
- Coccyzus riparius* (L. Boie). Utters a loud twitter.
- Ampelis cedrorum* (V.) 1 ♂.
- Vireo olivaceus* (L.) V. Very plenty in the swamp.
- Vireo noveboracensis* (Ch.) 1 ♂. Singing in swamp.
- Chrysomitris tristis* (L.) 1 ♂. Feeds on the seeds of the dandelion.
- Melospiza melodia* (V.) 1 ♂.
- Melospiza palustris* (V.) 1 ♂.

I started a female from her nest. She alighted a little way off and sang as to me, new song, and one of exquisite beauty after which she dropped into her nest. I started her again and again she sang. The nest contained a single egg, rather elongated, and ^{marked} with large, but not very frequent spots of amber on a light ground. I packed the nest and egg very carefully, but my basket met with an accident & at the egg was destroyed with three right *Hirundo* eggs. The nest was placed in a tuft of grass in the meadows, where the old grass had been burnt, so that all was black, except the fresh green grass. This is the first time I have seen this nest & egg.

- The bird shot proved on dissection to be a male.
- Cyanospiza cyanea* (L. Bd.) Abundant on the Island.
- Pipilo erythrophthalmus* (L.) V.
- Dolichonyx oryzivorus* (L.) Sw. Singing in swamp.
- Agelaius phoeniceus* (L.) V. Very abundant.
- Corvus americanus* Aud.
- Cyanus cristatus* (L.) Sw.
- Troglodytes aedon* V.
- Chondestes palustris* Very plenty.
- Mniotilta americana* (L.) Cab. First seen on Island.

Contopus virens (L. Cat. Am Islands)
Chaetura pelagica (L. Steph.)
Bonasa umbellus (L. Steph. - Dr. Mearns)
Coccyzus erythrophthalmus (Wils) B. d.
~~*Anthracoceros*~~ *rosciferus* (Wils) B. d.
~~*Agelaius*~~ *phoeniceus* *Icterus baltimore* (L. D. D. D.)
Icterus spurius (L. B. sp. seen on marshes)
Ceryle alcyon (L. B. sp.)
Ardea herodias L. One flying on lower coast.

SINGULAR FLIGHT OF BIRDS.
 Boston, May 17, 1877.
 Captain Bense, 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 right *Hirundo*. Their stomachs contained large quantities of fish, swallowed with bones, fins, & scales. The female lacked two joints of one toe, and the tibia of the other leg had been shattered by a shot, which remained in and had prevented the bone from ossifying on one side.

Myiarchus crinitus Very noisy
Dendroica striata

May 25th 1877

Turdus migratorius L.
Turdus mustelinus Gm.
Turdus fuscescens (L.) Steph.
Mimus carolinensis (L.) Gr.
Harporhynchus rufus (L.) Cat.
Sialia sialis (L.) Halderman
Troglodytes aedon V.
Mniotilta varia (L.) V. Two pairs were seen that from their actions seemed to be nesting.
Hirundo verticivorus (Gm.) B. sp. First seen. I watched two birds (which I afterwards shot) for some time, and judged from their actions that they had a nest, but I could not find it. Both birds chirruped constantly and made very successful attempts at a song.

Dendroica striata (L.) B. d. Frequents swampy thickets.
Dendroica castanea (Wils) B. d. Frequents thickets.
Amurus carolinensis (L.) Sw. Very abundant.
Geothlypis trichas (L.) Cat.
Icteria virens (L.) B. d.
Myiodytes canadensis (L.) Aud.
Setophaga ruticilla (L.) Sw.
Piranga rubra (L.) V.
Hirundo horreorum (Bastin)
C. c. cedrorum (L.) B. d.
C. c. olivaceus (L.) V.
Agelaius socialis (Wils) B. sp.
~~*Pipilo erythrophthalmus*~~ V.
Icterus baltimore (L.) D. D. D.
Icterus spurius (L.) B. sp.
Corvus americanus Aud.
Cyanus cristatus (L.) Sw.

Cyrtostomus vociferus (Wils) Sp

Tyrannus carolinensis (L.) Bd.

Myiarchus cinerascens (L.) Cat. Very plenty and very noisy. A pair were engaged in enlarging a wood-pickers hole. But the hollow was much too small for them to occupy for nesting.

I shot one and wounded it. It flew high up in the air in narrow circles. Drapping its bill loudly all the way, and at last, slowly descended to the ground, in circles. When I approached it was startled by its flying at me, snapping its bill. It lacked most of its tail.

Catherpes mexicanus (Sw.) Bd. First seen

Coccyzus mexicanus (L.) Cat.

Chondestes pelagicus (L.) Steph.

Trochilus colubris L. A pair were hovering about some tall trees. They chased each other with loud twittering cries and frequent desparately, uttering a sound like that produced by drawing the bill swiftly across the comb. They alighted on the long twigs very often and perching each other.

Coccyzus erythrophthalmus (L.) B.

Coccyzus erythrophthalmus (L.) B.

Buteo pennsylvanicus (Wils) Sp. I spent a long time in search of a nest, having with the parents about a certain mountain for some weeks. After a very long search, as I walked along the summit of a cliff above a deep, narrow ravine, I saw a hawk sitting below-

on a limb. He flew a little way and again alighted, when I instantly shot him, but deeply regretted it a moment after, when I discovered that he had been sitting close beside an unfinished nest which in a few days would have contained eggs, and probably both adult birds might then have been secured. I think the bird shot was the male, in which case the female may possibly occupy the nest yet.

May 26th 1877

Turdus migratorius L.

Turdus migratorius L.

Turdus migratorius L. Quite frequently met with in pairs. I hope to find them breeding during this season.

Melospiza carolinensis (L.) B. Nesting-building

Spizella socialis (L.) B.

Dendroica striata (Aud.) B. Quite plenty. I found a nest situated in the fork of a small bush, in a dense thicket. It contained four eggs. The parent bird (only one was seen) which I think was the male, was seen scarcely near the nest and kept constantly returning to it, for I waited by it a long while, hoping to see the other parent. The bird was quite silent all the while.

Scolecophagus

Helio cedrorum (L.) B.

Vireo olivaceus (L.) B.

Ammodramus aureicapillus (L.) B. Very plenty and evenly distributed. I found a nest containing one egg.

Ammodramus aureicapillus (L.) B.

- Myioides virens* (L.) Aud. Found nest 1895.
- Chrysomitris tristis* (L.) Bp.
- Sturnella socialis* (Wils.) Bp.
- Ceryle alcyon* (L.) Bp.
- Pipilo erythrophthalmus* (L.) W.
- Agelaius phoeniceus* (L.) W.
- Icterus galbula* (L.) Daud.
- Icterus spurius* (L.) Bp.
- Coccyus erythrorhynchos* Aud.
- Cyanurus cristatus* (L.) Sw.
- Tyrannus carolinensis* (L.) Bd.
- Myiarchus cinerascens* (L.) Cab.
- Sayornis fusca* (Sw.) Bd.
- Certhia virens* (L.) Cab.
- Empidonax minimus* (Bd.)
- Antrostomus vociferans* (Wils.) Bp.
- Cathartes aura* (L.) Gmel.
- Bonasa umbellus* (L.) Gmel.
- Coccyzus erythrophthalmus* (L.) Bp.

The migrating season is virtually at an end and I have never known it to last so short a time. The very cold winter kept the birds back, and then succeeded a period of such winter as we seldom know here. Of course the birds passed through with wonderful vigidity and I have never seen a larger aggregate of species and individuals. Now the only warblers which are the *Parus* *striatus* and *interea*, except those that will remain but rarely all the birds seem to have settled to their quarters.

May 29, 1877.

Found a nest of *Turdus migratorius* with two young, and was situated in a thick clump of laurels in a deep thicket, at a height of 1 foot.

Sialia sialis (L.) Haldeman. The young have left their nest in the bird-house.

Mniotilta varia (L.) G. The creeps are found in solitary pairs, feeding. They frequent remote, rocky places, and owing to the situation of the nests they are not so common.

Sciurus (montanus?) (L.) Nutt. Saw a bird gathering materials for a nest. It could not be traced.

Sayornis fusca (Sw.) Bd. Saw several at a place since being there.

Ceryle alcyon (L.) Bp. Abundant.

Agelaius phoeniceus (L.) W. Not rare.

Myiarchus cinerascens (L.) Cab. Abundant.

Cyanurus cristatus (L.) Sw. Very abundant. They sit on tree tops and make great imaginable sound.

Cathartes aura (L.) Gmel. Saw many of its eggs, in a nest, for some time.

Trochilus colubris L. Common.

Ordea virescens L.

Tringoides macularia (L.) Marsh.

Antrostomus vociferans (Wils.) Bp. heard many.

Cathartes aura (L.) Gmel. One seen sitting cross-wise on a tree in the bright sun-shine, by the Lake; another none seen flying at mid-day.

May 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 abun-
 dant, but all my efforts are in vain.
Helminthophila vernivora (L.) Bp. A num-
 ber of pairs are breeding near here,
 but all my efforts ^{to discover the nest} have hitherto been
 futile.

Dendroica pennsylvanica (L.) Bp. Breeding
 quite abundantly. This is the only
Dendroica I have seen for several
 days past.

Sialia arctica (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.

Geothlypis trichas (L.) Cdo. Breeding very abundantly

Icteria virens (L.) Bp.

Mniotilta varia (L.) V. This species
 is nesting very abundantly. The
 male always sings very sweetly

Scolecophaga puticilla (L.) Sw. Nesting - abundant

Pipilo ruber (L.) V.

Empidonax cedrorum (V.) Bp. Abundant in ^{flocks} large

Vireo olivaceus (L.) V. Breeding very abundantly

Chrysomitris tristis (V.) Bp.

Cyanospiza cyanea (L.) Bp. Breeds abundantly

Pipilo erythrophthalmus (L.) V. do

Icterus spurius (L.) Bp. Breeding abundantly

Cyanurus cristatus (L.) Sw.

Myiarchus cinerascens (L.) Cab. Abundant.

Tyrannus carolinensis (L.) Bp. Breeding
Catherpes mexicanus (L.) Cab. Nesting
Antrostomus vociferans (Wils.) Bp. Abundant
Chordeiles virginianus (Bridg.) Bp. do
Chaetura pelagica (L.) Steph. Nesting
Trochilus colubris L.

Bonasa umbellus (L.) Steph. Yesterday I
 stumbled upon an old hen sitting
 with her young. The mother drew
 herself along the ground, with a loud
 squeaking note, as of pain, and
 threw herself at my feet, while
 the young scampered off through
 the leaves, most of them crawling
 under a ledge close by, but I
 caught one just at the edge of the
 rock, and afterwards found an
 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, blow-
 ing eggs, and one of them became
 quite gentle, trotting out from behind
 the box, every minute and running
 close up to me, and then turned and
 ran swiftly back. They called loudly
 all night, uttering four loud, squeaking
 notes, alternated with a series of chirps,
 swiftly uttered. Both were found dead
 next morning.

June 4th 1877

Dendroica pennsylvanica (W.B.) Caught a female sitting on her eggs.
Crotophaga trichas (L.) Cat. A male was singing very loud and sweet, from a tree top near its nest, by the edge of the salt marsh.
Ampelis cedrorum (W.B.) Very abundant
Molothrus pecorus (Sw.) Sw.
Myiarchus crinitus (L.) Cat.
Antrostomus vociferus (Wils.) Bp.
Tringoides macularius (L.) G. Salt Marsh
Ardea virescens L. do

June 7. 1877

Today I saw a *Dendroica pennsylv-*
~~anica~~ *viridis* on Adirondack Park N. Point.
 They must breed there. I recognized it by its song - which always reminded me of that of a chickadee, before I saw it.

June 8. 1877

Myiarchus crinitus (L.) Cat. I followed and watched a pair that seemed anxious and worried, but did not discover any nest.
Carpodacus purpureus (Sw.) Sw.
Trochilus colubris L.
Antrostomus vociferus (Wils.) Bp.

Labels of Specimens

- NO. 1366 *Vireo solitarius* (Wils.) (V.) ♂ ad. May 9. 1877. H.F.
 Iris dark reddish brown. Bill blue-black. Legs and feet dusky lead-color - $5 \frac{50}{100}$, $9 \frac{63}{100}$, 3 , $2 \frac{5}{100}$, Bill $\frac{37}{100}$. Tarsi, $\frac{73}{100}$.
- 1367 *Vireo gilvus* (W.) Bp. ♂ ad. May 9. 1877. H.F.
 Iris deep brown. Bill with maxilla brown; mandible flesh-color - $5 \frac{96}{100}$, $9 \frac{42}{100}$, $2 \frac{85}{100}$, $2 \frac{25}{100}$. Bill $\frac{46}{100}$; gape, $\frac{68}{100}$. Tarsi, $\frac{72}{100}$.
- 1368 *Seiurus auricapillus* (L.) Sw. ♂ ad. May 9. 1877. H.F.
 Iris hazel. Bill with maxilla brownish black; mandible flesh color. Legs & feet flesh-color.
 $5 \frac{96}{100}$, $9 \frac{54}{100}$, $2 \frac{98}{100}$, $2 \frac{15}{100}$
- 1369 *Seiurus auricapillus* (L.) Sw. ♂ ad. May 9. 1877. H.F.
 Colors of parts the same as No. 1368.
 $6 \frac{25}{100}$, $9 \frac{80}{100}$, $3 \frac{5}{100}$, $2 \frac{25}{100}$. Bill $\frac{47}{100}$; gape, $\frac{61}{100}$. Tarsi, $\frac{90}{100}$.
- 1370 *Zonotrichia albicollis* (Sw.) Bp. ♂ ad. May 9. 1877. H.F.
 Iris brown. Bill dusky. Legs and feet light brown.
 7 , $9 \frac{60}{100}$, $2 \frac{87}{100}$, $2 \frac{90}{100}$. Tarsi $\frac{92}{100}$, Bill $\frac{46}{100}$.
- 1371 *Agelaius phoeniceus* (L.) (V.) ♀ ad. May 11. 1877.
 Orange Co., N. Y. Iris dark brown.
 $7 \frac{10}{16}$, $12 \frac{8}{16}$, $3 \frac{13}{16}$, $2 \frac{12}{16}$.
- 1372 *Mniotilta varia* (L.) (V.) ♀ ad. May 11. 1877. Orange Co., N. Y. Iris deep brown. Bill blackish. Legs & feet dusky. $5 \frac{7}{16}$, 8 , $2 \frac{7}{16}$, 2 .
- 1373 *Setophaga ruticilla* (L.) Sw. ♂ ad. May 11. 1877.
 Orange Co., N. Y. $5 \frac{6}{16}$, $7 \frac{13}{16}$, $2 \frac{8}{16}$, $2 \frac{3}{16}$.
- 1374 *Pipilo erythrophthalmus* (L.) (V.) ♂ ad. May 12. 1877.
 Orange Co., N. Y. Iris red. Bill black. Legs and feet light brown. $8 \frac{50}{100}$, $11 \frac{48}{100}$, $3 \frac{45}{100}$, $3 \frac{66}{100}$, Bill, $\frac{55}{100}$. gape, $\frac{70}{100}$. Tip of bill to eye, $\frac{76}{100}$. Tarsi, from knee joint (As all of these measurements are taken ^{of tarsus}), $1 \frac{12}{100}$. Hallux, $\frac{42}{100}$; its claw, $\frac{39}{100}$. Inner toe $\frac{49}{100}$; its claw, $\frac{25}{100}$. Middle toe, $\frac{73}{100}$; its claw, $\frac{31}{100}$. Outer toe, $\frac{50}{100}$; its claw, $\frac{25}{100}$. Graduation of tail, $\frac{40}{100}$, $3 \frac{11}{100}$ & $4 \frac{11}{100}$ toe joined at base for a distance of $\frac{13}{100}$ of an inch.

- No. 1375 *Herundo horreorum* Barton ♀ ad. May 12. 1877
Shot on the R. R. near Constitution Id., by
Wm. Osborne. Irides very deep brown.
Bill and feet black. $6\frac{24}{100}$, $12\frac{53}{100}$, $4\frac{60}{100}$, $3\frac{14}{100}$.
Fringing of tail, $1\frac{38}{100}$. Bill $\frac{35}{100}$. Width of gape,
 $\frac{49}{100}$, gape, $\frac{60}{100}$, Tarsus $\frac{45}{100}$. 1st toe, $\frac{23}{100}$; its claw,
 $\frac{20}{100}$. 2nd toe, $\frac{30}{100}$; its claw, $\frac{15}{100}$. 3rd toe, $\frac{48}{100}$; its claw,
 $\frac{20}{100}$. 4th toe, $\frac{34}{100}$; its claw, $\frac{15}{100}$.
- 1376 *Mimus carolinensis* (L.) ♂ ad. May 11. 1877. H.F.
Iris brown. Bill black. Legs & feet brownish black.
 $8\frac{15}{100}$, $11\frac{8}{100}$, $3\frac{9}{100}$, $3\frac{15}{100}$.
- 1378 *Chrysomitris tristis* (L.) ♂ ad. May 11. 1877
H.F. $5\frac{4}{100}$, $9\frac{1}{100}$, $2\frac{14}{100}$, $2\frac{1}{100}$.
- 1379 *Semius ludoviciana* (W.) ♀ ad. May 11. H.F.
Bill, Pond. $6\frac{5}{100}$, $10\frac{3}{100}$, $3\frac{3}{100}$, $2\frac{1}{100}$.
- 1377 *Setophaga ruticilla* (L.) ♂ ad. May 12. 1877
H.F. Iris brown. Bill and feet black.
 $5\frac{50}{100}$, $8\frac{25}{100}$, $2\frac{71}{100}$, $2\frac{23}{100}$.
- 1380 *Semius auricapillus* (L.) ♂ ad. May 12. 1877
H.F. $6\frac{2}{100}$, $9\frac{75}{100}$, $3\frac{1}{100}$, $2\frac{35}{100}$.
- 1381 *Parula americana* (L.) ♂ ad. May 12. 1877.
H.F. 5 , $7\frac{63}{100}$, $2\frac{35}{100}$, $1\frac{75}{100}$.
- 1382 *Geothlypis trichas* (L.) ♂ ad. May 12. 1877
H.F. $5\frac{4}{100}$, $7\frac{3}{100}$, $2\frac{4}{100}$, 2 .
- 1383 *Parula americana* (L.) ♂ ad. May 12. 1877. H.F.
 $4\frac{13}{100}$, $7\frac{10}{100}$, $2\frac{6}{100}$, $1\frac{12}{100}$.
- 1384 *Antrostomus vociferus* (W.) ♂ ad. May 14. 1877
H.F. $9\frac{21}{100}$, $18\frac{70}{100}$, $6\frac{25}{100}$, $4\frac{50}{100}$. Bill $\frac{37}{100}$. Gape, $\frac{37}{100}$.
width of gape, $\frac{17}{100}$. Tip of maxilla to eye, $\frac{13}{100}$.
Longest rectal beetle, $\frac{45}{100}$. Tarsi $\frac{75}{100}$. 1st toe, $\frac{25}{100}$;
its claw, $\frac{15}{100}$. 2nd toe, $\frac{39}{100}$; its claw, $\frac{16}{100}$. 3rd toe, $\frac{58}{100}$;
its claw, $\frac{25}{100}$. The middle claw (3rd) is serrated, somewhat
as in the Night Heron's, (♂) 4th toe, $\frac{42}{100}$;
its claw, $\frac{15}{100}$. 2nd & 3rd, and 3rd & 4th toes, con-
nected by webs. Webbed portion of each is $\frac{17}{100}$.
Tip of bill to occiput $1\frac{73}{100}$. Graduation of
tail, $\frac{58}{100}$. Quills 2-3-1-4, turn regularly decreasing

- Stomach filled with beetles, from the large
May Beetle in size, downward; and of many
different species.
- 1385 *Picus villosus* L. ♀ ad. May 14. 1877. Highland Falls.
Iris red-brown. Bill blue-black. Legs and feet black.
 9 , $15\frac{12}{100}$, $4\frac{61}{100}$, $3\frac{4}{100}$. Bill $1\frac{4}{100}$. Gape $1\frac{15}{100}$. Tarsus
 $\frac{84}{100}$. 1st toe, $\frac{25}{100}$; its claw, $\frac{22}{100}$. 2nd toe, $\frac{46}{100}$; its claw,
 $\frac{33}{100}$. 3rd toe, $\frac{55}{100}$; its claw, $\frac{37}{100}$. 4th toe, $\frac{61}{100}$; its claw, $\frac{38}{100}$.
Graduation of tail $\frac{75}{100}$. Occiput, $1\frac{5}{100}$. Stomach
full of insects.
- 1386 *Asporhynchus rufus* (L.) ♂ ad. May 14. 1877.
H.F. Iris yellow. Bill blackish; base of mandible
pinkish-white. Legs & feet fleshy brown.
 $11\frac{25}{100}$, $12\frac{75}{100}$, $3\frac{96}{100}$, $4\frac{81}{100}$. Bill, $\frac{26}{100}$; gape, $1\frac{28}{100}$. Tarsus, $1\frac{38}{100}$.
- 1387 *Zonotrichia albicollis* (W.) ♂ ad. May 14. 1877.
H.F. Iris brown. Bill blackish. Legs & feet brown.
 $6\frac{87}{100}$, $9\frac{52}{100}$, $2\frac{85}{100}$, $2\frac{90}{100}$. Bill, $\frac{46}{100}$. Gape, $\frac{150}{100}$. Tarsi, 1.
- 1388 *Zonotrichia albicollis* (W.) ♀ ad. May 14. 1877
H.F. Iris brown. Bill blackish. Tarsi & toes, brown.
 $6\frac{80}{100}$, 9 , $2\frac{80}{100}$, $2\frac{82}{100}$. Contained a nearly full
developed egg.
- 1389 *Dendroica caerulescens* (L.) ♂ ad. May 14. H.F.
Iris brown. Bill black. Legs & feet yellowish brown.
 $5\frac{35}{100}$, 8 , $2\frac{55}{100}$, $2\frac{50}{100}$.
- 1390 *Totanus solitarius* (W.) May 15. 1877. H.F.
Echo Lake. Iris brown. Bill blackish. Legs & feet
greenish. $8\frac{53}{100}$, $16\frac{45}{100}$, $5\frac{39}{100}$, $2\frac{26}{100}$. Bill $1\frac{11}{100}$.
gape, $1\frac{20}{100}$. Tip of bill to eye, $1\frac{51}{100}$. Tarsi $1\frac{18}{100}$.
Bare part of tibia, $\frac{77}{100}$. Middle toe $\frac{97}{100}$; its claw, $\frac{20}{100}$.
- 1391 *Cyanospiza cyanea* (L.) ♂ ad. May 15. 1877. H.F.
Iris brown. Bill blue-black. Legs & feet black.
 $5\frac{50}{100}$, $8\frac{61}{100}$, $2\frac{61}{100}$, $2\frac{4}{100}$. Bill $\frac{37}{100}$. Gape, $\frac{42}{100}$.
Tarsi, $\frac{67}{100}$. Middle toe, $\frac{47}{100}$; its claw, $\frac{17}{100}$.
- 1392 *Semius noveboracensis* (W.) ♂ ad.
May 15. 1877. H.F. Iris brown; bill brownish black.
Legs & feet light brown. 6 , $9\frac{75}{100}$, $3\frac{8}{100}$, $2\frac{7}{100}$.
Bill $\frac{47}{100}$. Gape $\frac{67}{100}$. Tarsus, $\frac{85}{100}$. Middle toe, $\frac{35}{100}$; its claw, $\frac{14}{100}$.

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, 20 ³⁵/₁₀₀, 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 ³⁶/₁₀₀.
Tarsi, ⁷⁴/₁₀₀, Middle toe & its claw, ⁶⁷/₁₀₀. Bill, ⁴⁰/₁₀₀.

1395 *Sayornis fuscus* (Gm.) Bd. (♀?) March 21. 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, ¹²/₁₆, Bill ⁹/₁₆, 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 ¹/₁₆, Mid. toe & claw, 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 ¹/₁₀₀, Middle toe, ²²/₁₀₀; its claw ²⁵/₁₀₀.

1398 *Ammodramus swainsoni* Cab. May 15. 1877. H.F.
Iris brown. Bill with ^{axilla} ~~mandible~~ and tip of mand.
blackish; mandible pinkish-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 ⁴/₁₀₀.
Tarsi ¹/₁₀₀, Middle toe ⁶³/₁₀₀; its claw ²²/₁₀₀.

1399 *Turdus fuscescens* (L.) Say ♂ May 15. 1877. H.F.
Iris brown. Bill with maxilla brownish-black;
mandible light yellow, shades 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, ¹/₁₀₀.
Tarsi, ¹/₁₀₀. 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 ³⁵/₁₀₀, 13 ³⁴/₁₀₀, 4, 4 ³⁵/₁₀₀. Bill, ²⁵/₁₀₀. Gape, ³⁴/₁₀₀.
Tip of bill to eye, ³⁴/₁₀₀. Occiput, ¹/₁₀₀. Tarsi, ³⁵/₁₀₀.
Middle toe, ³⁰/₁₀₀; its claw, ³¹/₁₀₀.

No. 1401 *Pipilo erythrophthalmus* (L.) W. ♂ 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,
¹/₁₀₀. Tarsi, ¹/₁₀₀. Middle toe ⁷³/₁₀₀; its claw, ³²/₁₀₀.

1402 *Turdus fuscescens* (L.) Say ♂ 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, ¹/₁₀₀. Middle toe,
⁶⁷/₁₀₀; its claw, ³¹/₁₀₀.

1403 *Paranga rubra* (L.) W. ♂ 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 ⁵⁸/₁₀₀, 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; mand.
etc., yellow. Legs & feet yellow-black-brown.
5 ⁸²/₁₀₀, 7 ³⁰/₁₀₀, 2 ³⁷/₁₀₀, 1 ⁶⁸/₁₀₀.

- NO. 1409 *Dendroica blackburniae* (Sw.) Bd. ♂ ad. May 16. 1877
 Iris brown. Bill blk. Legs & feet blackish brown. (H.F.)
 $5 \frac{35}{100}$, $8 \frac{64}{100}$, $2 \frac{75}{100}$, $1 \frac{98}{100}$, Bill, $\frac{44}{100}$; gape, $\frac{56}{100}$.
 Occiput, $\frac{79}{100}$. Tip of bill to eye, $\frac{65}{100}$. Tarsus, $\frac{73}{100}$.
 Middle toe, $\frac{38}{100}$; its claw, $\frac{18}{100}$.
- 1410 *Dendroica blackburniae* (Sw.) Bd. ♂ ad. May 16. 1877
 H.F. Colors of parts a little less dark than No. 1409.
 $5 \frac{40}{100}$, $8 \frac{48}{100}$, $2 \frac{72}{100}$, 2 .
- 1411 *Dendroica caerulescens* (L.) Bd. ♀ May 16. 1877
 H.F. Iris brown. Bill dead black. Legs & feet brown.
 $5 \frac{30}{100}$, $7 \frac{62}{100}$, $2 \frac{45}{100}$, $2 \frac{8}{100}$, Bill, $\frac{42}{100}$; gape, $\frac{55}{100}$.
 Occiput, $\frac{78}{100}$. Tarsus, $\frac{75}{100}$. Middle toe, $\frac{45}{100}$; its claw, $\frac{17}{100}$.
- 1412 *Dendroica caerulescens* (L.) Bd. ♂ ad. May 16. 1877.
 H.F. Iris brown. Bill black. Legs & feet blackish brown.
 $5 \frac{39}{100}$, $8 \frac{35}{100}$, $2 \frac{63}{100}$, $2 \frac{13}{100}$.
- 1413 *Vireo olivaceus* (L.) V. ♂ ad. May 16. 1877. H.F.
 Iris red. Bill with maxilla neutral tint; mandible white, shading into lead-color at tip. Legs & feet lead-color.
 $6 \frac{39}{100}$, $10 \frac{25}{100}$, $3 \frac{18}{100}$, $2 \frac{20}{100}$. Bill, $\frac{53}{100}$.
 Occiput, $\frac{85}{100}$; gape, $\frac{76}{100}$. Tarsus, $\frac{70}{100}$. Middle toe, $\frac{40}{100}$; its claw, $\frac{20}{100}$.
- 1414 *Icterus baltimore* (L.) Daudin ♂ ad. May 16. 1877
 H.F. $7 \frac{50}{100}$, $11 \frac{96}{100}$, $3 \frac{67}{100}$, $2 \frac{84}{100}$.
- 1415 *Helminthophaga pinus* (L.) Bd. ♀ ad. May 17. 1877
 H.F. - Near Bell's Pond. Iris hazel. Bill blackish, lighter on edges of mandibles. Legs & feet, deep brown. Claws light yellow.
 $4 \frac{80}{100}$, $7 \frac{24}{100}$, $2 \frac{25}{100}$, $1 \frac{77}{100}$, Bill, $\frac{48}{100}$; gape, $\frac{55}{100}$.
 Occiput, $\frac{65}{100}$. Tip of bill to eye, $\frac{63}{100}$. Tarsus, $\frac{65}{100}$.
 Middle toe, $\frac{38}{100}$; its claw, $\frac{15}{100}$.
- 1416 *Myiodytes pusilla* (Wils.) Bp. ♂ ad. May 17. 1877
 H.F. Iris hazel. Bill with maxilla deep brown; mandible flesh-color at base, shading into brown at tip. Legs & feet brown.
 $5 \frac{70}{100}$, $6 \frac{88}{100}$, $2 \frac{17}{100}$, 2 , Bill, $\frac{35}{100}$. Culmen, $\frac{48}{100}$.
 Tip of bill to eye, $\frac{58}{100}$. Occiput, $\frac{70}{100}$. Tarsus, $\frac{70}{100}$.
 Middle toe, $\frac{44}{100}$; its claw, $\frac{18}{100}$. Hallux, $\frac{25}{100}$; its claw, $\frac{20}{100}$.

- NO. 1417 *Dendroica aestiva* (Sw.) Bd. ♂ ad. May 17. 1877
 H.F. Iris brown. Bill blue-black. Legs & feet yellow.
 $5 \frac{18}{100}$, $7 \frac{87}{100}$, $2 \frac{54}{100}$, $2 \frac{87}{100}$, Bill, $\frac{40}{100}$. Tarsus, $\frac{74}{100}$.
- 1418 *Icterus spurius* (L.) Bp. ♂ ad. May 17. 1877. H.F.
 Iris brown. Bill black, blue at base of mandible. Legs & feet blue.
 $7 \frac{35}{100}$, $10 \frac{50}{100}$, $3 \frac{22}{100}$, $3 \frac{2}{100}$.
 Bill, $\frac{66}{100}$; gape, $\frac{73}{100}$. Occiput, $\frac{83}{100}$. Tarsus, $\frac{82}{100}$.
 Middle toe, $\frac{59}{100}$; its claw, $\frac{26}{100}$.
- 1419 *Icterus spurius* (L.) Bp. ♂ ad. May 17. 1877. H.F.
 Colors like no. 1418. $7 \frac{50}{100}$, $10 \frac{36}{100}$, $3 \frac{21}{100}$, 3 .
 Bill, $\frac{64}{100}$; gape, $\frac{70}{100}$. Occiput, $\frac{84}{100}$. Tarsus, $\frac{82}{100}$.
 (tip of an inch longer than above) Mid. toe, $\frac{58}{100}$; its claw, $\frac{26}{100}$.
- 1420 *Toniaphea ludoviciana* (L.) Bowditch ♂ May 17. 1877. H.F.
 Iris brown. Bill white. Legs & feet lead-color.
 $8 \frac{25}{100}$, $13 \frac{25}{100}$, $4 \frac{24}{100}$, 3 . Bill, $\frac{65}{100}$; gape, $\frac{75}{100}$.
 Occiput, $1 \frac{100}{100}$. Tarsus, $\frac{87}{100}$. Middle toe, $\frac{66}{100}$; its claw, $\frac{26}{100}$.
- 1421 *Toniaphea ludoviciana* (L.) Bowditch ♂ May 17. 1877. H.F.
 Iris brown. Bill white. Legs & feet lead-color.
 8 , $13 \frac{39}{100}$, $3 \frac{90}{100}$, $2 \frac{97}{100}$. Bill, $\frac{73}{100}$. Gape, $\frac{77}{100}$.
 Occiput, $1 \frac{100}{100}$. Tarsus, $\frac{84}{100}$. Middle toe, $\frac{60}{100}$; its claw, $\frac{26}{100}$. (These measurements were very carefully taken. The bill much more robust than in No. 1420.)
- 1422 *Pyrranga rubra* (L.) V. ♂ ad. May 17. 1877. H.F.
 Iris hazel. Pupil very small. Bill light greenish olive. Tarsi & toes, dusky. Lead-color.
 $7 \frac{25}{100}$, $11 \frac{88}{100}$, $3 \frac{65}{100}$, $2 \frac{75}{100}$. Bill, $\frac{60}{100}$; gape, $\frac{71}{100}$.
 Tip of bill to eye, $\frac{80}{100}$. Tarsi, $\frac{70}{100}$. Middle toe, $\frac{57}{100}$; its claw, $\frac{25}{100}$.
- 1423 *Icterus spurius* (L.) Bp. ♀ ad. May 17. 1877. H.F.
 Iris brown. Bill with maxilla blue black, mandible white at base, shading through light blue to blackish blue at tip. Legs & feet blue.
 $7 \frac{14}{100}$, $10 \frac{40}{100}$, $3 \frac{14}{100}$, $2 \frac{68}{100}$. Bill, $\frac{64}{100}$.
 Gape, $\frac{75}{100}$. Occiput, $\frac{87}{100}$. Tarsus, $\frac{92}{100}$.
 Middle toe, $\frac{54}{100}$; its claw, $\frac{25}{100}$.

- NO. 1424 *Dendroica blackburniae* (Sw.) Bd. ♂ ad. May 17, 1877. H. F. Iris brown. Bill & feet dusky.
- 1425 *Dendroica blackburniae* (Sw.) Bd. ♂ ad. May 17, 1877. H. F. Iris brown. Bill & feet dusky. $5 \frac{32}{100}, 8 \frac{39}{100}, 2 \frac{72}{100}, 1 \frac{98}{100}$.
- 1426 *Myiodiocetes mitratus* (Sw.) Bd. ♂ ad. May 17, 1877. H. F. Iris hazel. Bill blackish. Legs & feet yellowish. $5 \frac{75}{100}, 7 \frac{96}{100}, 2 \frac{50}{100}, 2 \frac{23}{100}$. Bill $\frac{43}{100}$, gape, $\frac{56}{100}$. Occiput, $\frac{79}{100}$; Tarsus $\frac{77}{100}$. Middle toe, $\frac{45}{100}$; its claw, $\frac{18}{100}$.
- 1427 *Myiodiocetes mitratus* (Sw.) Aud. ♀ May 17, 1877. H. F. Colors like No. 1426. $5 \frac{70}{100}, 7 \frac{95}{100}, 2 \frac{50}{100}, 2 \frac{25}{100}$.
- 1428 *Myiodiocetes mitratus* (Sw.) Aud. ♀ May 17, 1877. H. F. Colors like above. $5 \frac{65}{100}, 8 \frac{55}{100}, 2 \frac{26}{100}$.
- 1429 *Dendroica blackburniae* (Sw.) Bd. ♂ ad. H. F. May 18, 1877. $5 \frac{35}{100}, 8 \frac{40}{100}, 2 \frac{74}{100}, 2$.
- 1430 *Myiodiocetes canadensis* (L.) Aud. ♂ May 18, 1877. H. F. 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 *Pyrranga rubra* (L.) V. ♂. May 18, 1877. H. F. Iris brown. Bill light olive. Legs and feet brownish lead-color. $7 \frac{33}{100}, 11 \frac{79}{100}, 3 \frac{75}{100}, 2 \frac{80}{100}$.
- 1432 *Pyrranga rubra* (L.) V. ♂. May 18, 1877. H. F. Colors like above - 1431 - $7 \frac{50}{100}, 11 \frac{96}{100}, 3 \frac{75}{100}, 2 \frac{82}{100}$.
- 1433 *Dendroica virius* (Sw.) Bd. ♀ May 18, 1877. H. F. 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, $\frac{56}{100}$. Occiput, $\frac{78}{100}$. Tarsi $\frac{70}{100}$. Middle toe, $\frac{40}{100}$; its claw, $\frac{16}{100}$.
- 1434 *Myiodiocetes canadensis* (L.) Aud. ♀ May 18, 1877. H. F. 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 *Myiodiocetes canadensis* (L.) Aud. ♂. May 16, 1877. H. F. Iris brown. Bill with maxilla blackish; mandible, yellow. Legs & feet yellow. $5 \frac{65}{100}, 8 \frac{97}{100}, 2 \frac{60}{100}, 2 \frac{28}{100}$.
- 1436 *Turdus aliciae* (Bd.) Les. ♂ ad. May 19, 1877. H. F. 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. F. Iris brown. Bill & feet dusky. $5 \frac{4}{100}, 7 \frac{33}{100}, 2 \frac{31}{100}, 1 \frac{86}{100}$.
- 1438 *Myiodiocetes canadensis* (L.) Aud. ♀ May 19, 1877. H. F. $5 \frac{38}{100}, 7 \frac{75}{100}, 2 \frac{36}{100}, 2 \frac{8}{100}$.
- 1439 *Dendroica castanea* (Vieill.) Bd. ♂ May 19, 1877. H. F. 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* (Fors.) Bd. ♂ ad. May 19, 1877. H. F. Iris brown. Bill black blackish; mandible yellowish. Legs and feet yellowish brown. $5 \frac{64}{100}, 9, 2 \frac{29}{100}, 2 \frac{5}{100}$. Bill $\frac{45}{100}$; gape, $\frac{53}{100}$. Occiput, $\frac{80}{100}$. Tarsus, $\frac{70}{100}$.
- 1441 *Coccyz riparia* (L.) Boie ♀ ad. May 21, 1877. ^{opt.} ~~Conspicuous~~ Id. Iris brown. Bill blackish; mandible yellowish. Legs & feet yellowish brown. $5 \frac{39}{100}, 10 \frac{88}{100}, 3 \frac{90}{100}, 1 \frac{95}{100}$. Forfeiture of tail $\frac{35}{100}$. Bill, $\frac{28}{100}$. Culmen, $\frac{52}{100}$. Occiput $\frac{75}{100}$. Tarsi, $\frac{47}{100}$. Middle toe, $\frac{35}{100}$; its claw, $\frac{23}{100}$.
- 1442 *Tyrannus carolinensis* (L.) Bd. ♂ ad. May 21, 1877. H. F. Iris brown. Bill & feet black. $8 \frac{58}{100}, 14 \frac{96}{100}, 4 \frac{78}{100}, 3 \frac{50}{100}$. Bill, $\frac{74}{100}$. Gape, $\frac{95}{100}$. Occiput, $\frac{98}{100}$. Tarsus, $\frac{74}{100}$. Middle toe, $\frac{57}{100}$. Its claw, $\frac{26}{100}$.

NO. 1443 *Cyanospiza cyanea* (L.) Bd. ♂ ad. May 21
 H. H. Indes brown. Bill with maxilla blue
 black; mandible pale bluish. Legs bluish black.
 $5 \frac{40}{100}$, $8 \frac{13}{100}$, $2 \frac{45}{100}$, $2 \frac{4}{100}$ Bill $\frac{41}{100}$, culmen $\frac{45}{100}$
 Occiput, $\frac{75}{100}$, Tarsus $\frac{72}{100}$, Middle toe $\frac{47}{100}$; its claw $\frac{19}{100}$

1444 *Telmatodytes palustris* (Vill.) Cat. ♂ ad. May 21
 1877. Consook Id. Hudson Riv. Indes brown.
 Bill blackish on maxilla, mandible flesh-color
 at base - dusky at tip. Legs & feet brown.
 $5 \frac{35}{100}$, $6 \frac{54}{100}$, $2 \frac{1}{100}$, $1 \frac{73}{100}$ Bill $\frac{57}{100}$, Culmen $\frac{75}{100}$. Tip
 of bill to eye, $\frac{78}{100}$. Occiput, $\frac{75}{100}$. Tarsus $\frac{80}{100}$. Middle
 toe, $\frac{50}{100}$; its claw, $\frac{21}{100}$. Hallux $\frac{31}{100}$; its claw, $\frac{30}{100}$.

1445 *Pyrranga rubra* (L.) V. ♂ ad. May 22. 1877. H. H. 21
 Indes brown. Bill pale olive. Legs & feet lead-color.
 $7 \frac{13}{100}$, $11 \frac{63}{100}$, $3 \frac{65}{100}$, $2 \frac{69}{100}$ Bill $\frac{60}{100}$. Gape, $\frac{79}{100}$.
 Occiput, $\frac{99}{100}$. Tarsus $\frac{80}{100}$. Middle toe $\frac{50}{100}$; its claw, $\frac{24}{100}$

1446 *Agelaius phoeniceus* (L.) V. ♂ ad. May 21. 1877. Con-
 sook Id. Indes brown. Bill blackish. Legs & feet brownish
 $7 \frac{85}{100}$, $12 \frac{60}{100}$, $3 \frac{87}{100}$, $2 \frac{93}{100}$ Bill $\frac{75}{100}$ Tarsus $\frac{100}{100}$.

1447 *Telmatodytes palustris* (Vill.) Cat ♂ ad. May 21,
 1877. Consook Id. $5 \frac{25}{100}$, $6 \frac{30}{100}$, $1 \frac{98}{100}$, $1 \frac{72}{100}$. Color like 1444

1448 *Nyctardea naevia* (Bodd.) Allen. ♂ ad. May 23,
 1877. Constitution Id. Hudson Riv. N.Y.
 Indes carmine. Bill black; ~~white~~ ^{black} about base
 of bill & eye, greenish blue. Edges of mouth
 (inside) pale green. Legs & feet greenish yellow.
 Claws yellow, suffused with dusky. Middle
 claw serrated on its inner edge to near the
 point - 19 serratures $27 \frac{10}{100}$, $46 \frac{10}{100}$, $11 \frac{80}{100}$, $4 \frac{68}{100}$.
 Length to end of claws, $33 \frac{15}{100}$ Bill, from
 frontal feathers, $3 \frac{17}{100}$. Tip of bill to eye, 4.
 Tip of bill to nasal orifice, $2 \frac{11}{100}$ Length of
 nostril, $\frac{67}{100}$. Gape, $4 \frac{36}{100}$ Occiput, $2 \frac{97}{100}$.
 Base part of tibia to knee-joint, $1 \frac{32}{100}$. Tarsus
 $3 \frac{14}{100}$. Hallux, $1 \frac{20}{100}$; its claw, $\frac{76}{100}$. Inner toe,
 $1 \frac{88}{100}$; its claw, $\frac{56}{100}$. Middle toe, $2 \frac{70}{100}$; its
 claw $\frac{59}{100}$. -serrated portion $\frac{34}{100}$ Outer toe, $2 \frac{18}{100}$; its claw, $\frac{41}{100}$

head-plume, $8 \frac{60}{100}$. Web, between 3rd & fourth toes
 $\frac{75}{100}$. - Shot in the Heronry.

1449 *Nyctardea naevia* (Bodd.) Allen. ♂ ad. May 23,
 1877. Constitution Id. Hudson Riv. N.Y.

Colors same as above - No. 1448
 $25 \frac{68}{100}$, $46 \frac{15}{100}$, 12 , $4 \frac{40}{100}$. Length to end of toes,
 $32 \frac{75}{100}$, Bill, $3 \frac{70}{100}$. Tip of bill to eye, $3 \frac{83}{100}$
 Gape $4 \frac{10}{100}$. Occiput, $2 \frac{83}{100}$. Base part
 of tibia to knee-joint, $1 \frac{44}{100}$. Tarsus, $3 \frac{32}{100}$.
 Last joints of left outer toe wanting. Hallux $1 \frac{31}{100}$
 its claw, $\frac{70}{100}$. Inner toe $1 \frac{29}{100}$; its claw, $\frac{55}{100}$.
 Middle toe, $2 \frac{79}{100}$. its claw $\frac{53}{100}$. Outer toe $2 \frac{10}{100}$
 its claw, $\frac{45}{100}$. Head plumes $8 \frac{60}{100}$. Web between
 3rd & fourth toes, $\frac{68}{100}$

1450 *Nyctardea naevia* (Bodd.) Allen. ♂ juv.
 May 23. 1877. Constitution Id. Hudson Riv. N.Y.

Indes rich, dusky orange, mixed with car-
 mine. Bill black on ridge of maxilla;
 greenish black on edges of maxilla and
 all of mandible. Base skin about eye
 light purplish. French blue. Legs & feet
 yellowish emerald green, mixed with
 purple and gamboge. Claws dusky -
 middle claw serrated on its inner edge.

Larger than adults

$27 \frac{46}{100}$, $46 \frac{5}{100}$, $11 \frac{96}{100}$, $4 \frac{65}{100}$. Length to end of toes $34 \frac{70}{100}$
 Bill $3 \frac{12}{100}$. Tip of bill to eye, $4 \frac{70}{100}$. Gape, $4 \frac{35}{100}$
 Occiput $2 \frac{98}{100}$. Base part of tibia, $1 \frac{37}{100}$. Tarsus
 $3 \frac{31}{100}$. Hallux, $1 \frac{38}{100}$; its claw, $\frac{85}{100}$. Inner toe, $1 \frac{89}{100}$
 its claw, $\frac{62}{100}$. Middle toe, $2 \frac{85}{100}$; its claw, $\frac{54}{100}$.
 Web, measured along middle toe, $\frac{76}{100}$ No head
 plumes developed.

1451 *Petrochelidon lunifrons* (Say) Cat. ♂ ad.
 May 23. 1877. Constitution Id. Hudson Riv. N.Y.

Indes brown. Bill black. Legs & feet brown.
 $6 \frac{3}{100}$, $12 \frac{54}{100}$, $4 \frac{50}{100}$, $2 \frac{7}{100}$. Bill $\frac{30}{100}$. Culmen,
 $\frac{62}{100}$. Occiput, $\frac{85}{100}$. Tarsus, $\frac{50}{100}$. Middle toe, $\frac{53}{100}$; its claw, $\frac{25}{100}$

- NO. 1452. *Petrochelidon lunifrons* (Say) Cat. ♂ 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) Cat. ♀ 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) Cat. ♂ 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 *Ceryle riparia* (L.) Boie ♂ ad. May 23. 1877. Con-
stitution Id. Iris brown. Bill black. Legs & feet
brown. $5 \frac{27}{100}$, $10 \frac{82}{100}$, 4 , $2 \frac{11}{100}$. Bill, $\frac{27}{100}$. Culmen
 $\frac{54}{100}$. Occiput, $\frac{77}{100}$. Tarsus $\frac{39}{100}$. Middle toe $\frac{41}{100}$;
its claw, $\frac{23}{100}$.
- 1456 *Dolychonyx oryzivorus* (L.) Sw. ♀ ad. May 23.
1877. Constitution Id. Iris brown. Bill with
maxilla brown; mandible hazy white. Legs
& feet, pale brown. $7 \frac{15}{100}$, $17 \frac{25}{100}$, $3 \frac{54}{100}$, $2 \frac{53}{100}$.
Bill $\frac{58}{100}$. Gape $\frac{61}{100}$. Occiput, $\frac{85}{100}$. Tarsus, $\frac{7}{100}$.
Middle toe, $\frac{78}{100}$; its claw $\frac{31}{100}$. Hallux $\frac{42}{100}$; its claw, $\frac{48}{100}$.
- 1457 *Icterus spurius* (L.) Sp. ♂ ad. May 23. 1877
Constitution Id. Hudson Riv. N. Y. Iris brown
Bill black; blue at base of mandible. Legs &
feet bluish. $7 \frac{30}{100}$, $10 \frac{59}{100}$, $3 \frac{24}{100}$, $2 \frac{40}{100}$.
- 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 *Geothlypis trichas* (L.) Cat. ♀ ad. May 23. 1877
Constitution Id. $5 \frac{27}{100}$, 7 , $2 \frac{8}{100}$, $1 \frac{16}{100}$.
Bill, $\frac{49}{100}$. Tarsus $\frac{77}{100}$.
- 1460 *Chrysomitris tristis* (L.) Sp. ♂ ad. May 23.
1877. Constitution Id. Sides, tarsi & toes
brown. Bill orange; black on ridge near tip.
 $5 \frac{26}{100}$, $9 \frac{7}{100}$, $2 \frac{90}{100}$, 2 . Bill, $\frac{40}{100}$. Tarsus, $\frac{55}{100}$.
Middle toe, $\frac{44}{100}$; its claw, $\frac{23}{100}$.

- 1461 *Chrysomitris tristis* (L.) Sp. ♀ 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, $\frac{39}{100}$; its claw, $\frac{20}{100}$.
- 1462 *Corvus americanus* Aud. ♂ ad. May 23. 1877
Heronry, Constitution Id. Irides brown.
 $19 \frac{20}{100}$, $36 \frac{75}{100}$, $11 \frac{85}{100}$, $7 \frac{15}{100}$. Bill, $1 \frac{90}{100}$; ~~cul-~~
~~-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 *Buteo pennsylvanicus* (Wils.) Sp. ♀ May 25
1877. Orange Co. N. Y. Shot from beside
her newly-finished nest. Irides hazel.
Bill thin black. Cere gamboge yellow.
sides of mouth gamboge. Legs & feet, yellow.
Claw bluish black. Stomach filled with
seventeen-years locusts. Circada.
- 1464 *Corvus americanus* Aud. ♀ ad. May 23. 1877.
Harrison'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. S. Iris hazel - Bill & feet, black.
 $19 \frac{30}{100}$, $36 \frac{80}{100}$, $11 \frac{50}{100}$, $7 \frac{45}{100}$. Bill, $1 \frac{90}{100}$. ~~cul-~~
~~-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 cinerascens* (L.) Cat. ♂ ad. May 25.
1877 Pills Pond, Orange Co. N. Y. Iris hazel.
Bill blackish olive. Legs & feet blue-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 *Telmaturus cornivorus* (Sw.) Sp. ♂ ad.
May 25. 1877 Orange Co. N. Y. Iris hazel.
Bill hornish. Black on maxilla; mandible

mandible, white. Legs, red, and claws flesh-color
5 ⁵⁰/₁₀₀, 8 ⁷⁵/₁₀₀, 2 ⁸⁵/₁₀₀, 2 ¹⁸/₁₀₀. Bill, ⁶²/₁₀₀, Culmen, ¹⁴/₁₀₀.
Occiput, ⁷⁰/₁₀₀, Tarsus, ⁶⁸/₁₀₀. Middle toe, ⁵⁶/₁₀₀,
its claw ²⁰/₁₀₀.

1469 *Herthornis vermicorus* (Cmn.) Bp. ♀ ad. 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 male were paired and
probably had a nest where they were shot.

1470 *Dendroica striata* Food. Bp. ♀ ad. May 21.
1877. H. S. Iris brown. Bill with maxilla black.
Mandible, legs and feet, yellow
5 ³⁸/₁₀₀, 9, 2 ⁸³/₁₀₀, 2 ⁵/₁₀₀.

1471 *Vireo noveboracensis* (Cmn.) Bp. ♀ ad. Taken
upon nest containing 4 eggs (Set No. 801 p. 40 nest cut.)
Iris white. Bill blue-black, white on edges,
towards tip. Legs and feet, blue.
5 ²⁸/₁₀₀, 7 ⁶⁰/₁₀₀, 2 ³⁰/₁₀₀, 1 ⁹⁰/₁₀₀. Bill, ⁴²/₁₀₀. Gape
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 loudly and fought
fiercely when taken, as she was asleep in nest.

1472 *Bonasa umbellus* (L.) Steph. pullus May
30, 1877. Orange Co. N. Y. (Mounted) Iris hazel

1473 *Bonasa umbellus* (L.) Steph. pullus, May 30.
1877. Orange Co. N. Y. (Skin) Iris hazel.

1474 *Vireo olivaceus* (L.) V. ♀ ad. Taken from
nest, with 3 eggs. May 30, 1877 H. S.
Iris red. Bill blue blk, base of mandible
white. Legs & feet, blue. 6 ⁶/₁₀₀, 7 ⁷⁵/₁₀₀, 3 ⁹/₁₀₀, 2 ¹²/₁₀₀.
Bill, ⁵⁷/₁₀₀. Gape, ⁷⁴/₁₀₀. Occiput, ⁸⁹/₁₀₀.
Tarsus, ⁷⁰/₁₀₀. Middle toe, ⁴⁰/₁₀₀; its claw, ¹⁹/₁₀₀.

1475 *Myiodynastes mitratus* (L.) Aud. ♀ ad. May 31.
1877. H. S. Shot on nest containing 4 eggs.
5 ⁷⁰/₁₀₀, 8 ¹⁰⁰/₁₀₀, 2 ⁵⁵/₁₀₀, 2 ³⁸/₁₀₀.

1476 *Dendroica pennsylvanica* (L.) Bd. ♀ ad. Taken
on nest containing 4 eggs (Set No. 7, nest)
June 4, 1877. H. S. Iris dark hazel. Bill black-
ish. Legs & feet brown with black.
5 ¹⁵/₁₀₀, 7 ⁷⁰/₁₀₀, 2 ³⁹/₁₀₀, 1 ²⁸/₁₀₀. Bill, ⁴¹/₁₀₀. Tarsus, ⁶⁵/₁₀₀.

1478 *Bonasa umbellus* (L.) Steph. pullus ♂. June
18, 1877 H. S. 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, ⁸⁵/₁₀₀; its claw, ¹⁴/₁₀₀. Hallux and its
claw, ³⁴/₁₀₀. Stomach filled with seeds and gravel.

June 23rd 1877.

Several *Cinclus* ~~*Halimastur*~~ *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 *Dendroica discolor*
(V.) Bd. It flew about 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
chirping in an animated fashion.

The *Carpodacus purpureus* is quite
frequently seen, but no nests were found.
Numbers of them were singing about
the house to-day, both male & female.

Shot a fine *Dendroica virens* ♀ ad. Near the Creek 1877.

June 25th 1877

Saw a female *Mniotilta varia* (L.) (♀) that appeared to have just reared her family.

The *Coccyzus colubris* L. are very frequently seen perched upon the telegraph wires.

NO. 1479 *Dendroica bicolor* (W.) Bd. ♂ ad. 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, $\frac{32}{100}$, Culmen, $\frac{50}{100}$. Tip of bill to eye, $\frac{61}{100}$. Occiput, $\frac{75}{100}$. Tarsus, $\frac{67}{100}$. Middle toe $\frac{64}{100}$ its claw, $\frac{15}{100}$. Hairs, $\frac{18}{100}$, its claw, $\frac{17}{100}$. Stomach filled with insects and seeds.

1480 *Geothlypis trichas* (L.) Cc. ♂ ad. June 21. 1877 Orange Co. N. Y. Near Ft. Montgomery. Iris brown. Bill black, brownish at base of mandible. Legs & feet fleshy brown. $5 \frac{53}{100}$, $7 \frac{48}{100}$, $2 \frac{22}{100}$, $2 \frac{4}{100}$. Bill, $\frac{51}{100}$, Culmen, $\frac{63}{100}$, Tarsus, $\frac{82}{100}$.

1481 *Cyanospiza cyanea* C. Bd. ♂ ad. 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 14th 1877

The *Haliaeetus leucocinctus* (L.) Sangre have been quite frequently seen, lately.

Carduelis purpureus occasionally seen.

Vireo gilvus - seen yesterday
Icterus spurius. Very plenty; frequent the hay-fields in flocks and small flocks.

Antrostomus vociferans - heard regularly
Troglodytes aedon l. Progressing with her second brood, under the piazza
Picus villosus frequently seen & heard since the 15th of June

Sitta carolinensis - frequently seen and heard since the last of June

NO. 1482 *Sphyrapicus varius* (L.) Bd. ♂ ad. Apr. 26. 1877 H. F. Iris dark reddish hazel; bill black. Tarsi and toes greenish lead-color. $8 \frac{25}{100}$, $15 \frac{30}{100}$, $5 \frac{36}{100}$. Tarsus, $\frac{74}{100}$. 1st toe + claw, $\frac{34}{100}$; 2nd toe + claw, $\frac{63}{100}$; 3rd, $\frac{85}{100}$; 4th, $\frac{83}{100}$. Second & third toes united for a distance of $\frac{17}{100}$ of an inch. Bill, $\frac{93}{100}$; Culmen, $\frac{15}{100}$.

1483 *Cyanospiza cyanea* (L.) Bd. ♂ ad. Highland Lake, Rockland Co. N. Y. Bill with sides of mandible horn-color, blotched with purplish black; remainder of bill black. Legs & feet brownish black. Iris hazel. $5 \frac{62}{100}$, $8 \frac{70}{100}$, $2 \frac{59}{100}$; $2 \frac{70}{100}$. (June 21. 1877)

1484 *Dendroica virens* (W.) Bd. ♂ ad. June 23. 1877 Poppleton Creek. Iris dark hazel; bill & feet black. $5 \frac{27}{100}$, $7 \frac{91}{100}$, $2 \frac{44}{100}$, $1 \frac{98}{100}$. Bill, $\frac{41}{100}$. Tarsus, $\frac{67}{100}$.

1485 *Icteria virens* (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, $\frac{4}{100}$. Middle toe, $\frac{62}{100}$; its claw, $\frac{24}{100}$.

1486 *Turdus pallasi* Cc. ♀ 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; spring feathers)

1487 *Agelaius phoeniceus* (L.) N. ♂ ad. June 23. 1877 Tona 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, $\frac{98}{100}$; gape, $\frac{2}{100}$. Occiput, $\frac{2}{100}$. Tarsus, $\frac{12}{100}$. Middle toe, $\frac{70}{100}$; its claw, $\frac{34}{100}$.

1488 *Zonotrichia albicollis* (W.) N. ♂ 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 *Sciurus hudsonicus* (L.) N. ♂ ad. Apr. 30. 1877. H. F. Iris dark hazel. Bill brownish black. Legs & feet flesh-color. $16 \frac{30}{100}$, $10 \frac{50}{100}$, $3 \frac{28}{100}$, $2 \frac{9}{100}$.

July 21st 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 side-long fashion. They constantly uttered a low squawking 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 this 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 hard-
-some of 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 (L) Bp. ♂ & ♀
Dendroica caerulescens (L) Bd. ♂ & ♀

Dendroica maculosa (L) Bd. ♂.

Seiurus auricapillus (L) Sw.

Geothlypis trichas (L) Cat. ♂.

— I walked down the road last night, four Night Herons flew in a line southward, uttering loud quacks.

The Vireo Alvaceus, V. gilvus, V. flavifrons and V. noveboracensis are all present, here.

Atrostromus vociferus (Vill) Bp. sings

NO. 1490 *Zoniophea ludoviciana* (L) Bowdich ♂ juv.
July 28. 1877. N.H. Iris brown. Bill dark brown on maxilla; mandible horn-color, tipped with dusky. Tarsi and toes lead-color.
8 $\frac{5}{100}$, 12 $\frac{85}{100}$, 4, 3, Bill, $\frac{65}{100}$, Gape, $\frac{73}{100}$
Occiput $\frac{1}{100}$, Tarsus, $\frac{90}{100}$ Middle toe, $\frac{87}{100}$
its claw, $\frac{28}{100}$. Uttered its usual rasping single note.

In this specimen the rose on the throat is just apparent, but under the wings it is quite strongly marked.

1491 *Nyctiardea naevia* (Bodd.) Allen. ♂ juv.
Aug 27. 1877. Heronry, Constitution Id. Hudson River, N.Y. Irides bright straw yellow, with no shade of red. Legs & feet greenish yellow.

August 27.

To day visited Constitution Id. and the adjacent meadows and shore, in company with J. H. Seelye. We found the following birds:—

Turdus migratorius L.

L. mustelinus, I found these and the above species roosting in the Heronry at dusk. — (Skipped to page 372)

NO. 1492 *Melanerpes erythrocephalus* Sw. ♂ juv. No. 1496

Sep 25. 1877. H.F. Iris dark hazel
Bill & feet greenish lead-color.
 $9 \frac{90}{100}$, $17 \frac{76}{100}$, $5 \frac{36}{100}$, $3 \frac{25}{100}$. Bill, $1 \frac{2}{100}$, gape,
 $1 \frac{27}{100}$, Occiput, $1 \frac{16}{100}$. Tarsus, $\frac{90}{100}$.

1493 *Melanerpes erythrocephalus* Sw. ♀ juv. No. 1496

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* Cob.
- Telmatodytes palustris*
- Dendroica caerulescens*
- Dendroica maculosa*
- Pyrranga rubra*
- Chaetura pelagica*
- Carpodacus purpureus*
- Melospiza palustris*

NO. 1494

Melanerpes erythrocephalus Sw. Abundant
Dendroica palmarum ♀ Oct. 12. 1877
H.F. Bill brownish black, with base of man-
-dible 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 *Ammodramus caudacutus* ???
October 12. 1877. Consook Id. Hudson River
N.Y. Iris dark hazel, sides of max-
-illa & mandible bluish horn-color; re-
-dium of bill & maxilla, H.F. Iris. 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, $\frac{75}{100}$

Accipiter 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 , $6 \frac{57}{100}$, $5 \frac{45}{100}$. 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
Popple Creek, Rockland County, Iris
hazel, Bill brownish black, lighter below,
yellow at base of mandible. Legs &
feet brownish black; soles of feet yellow
 $5 \frac{42}{100}$, $8 \frac{63}{100}$, $2 \frac{76}{100}$, $2 \frac{25}{100}$ Bill, $\frac{42}{100}$, Tarsus, $\frac{79}{100}$

1498 *Turdus pallasi* Cat. ♂ (ad?) Oct. 13. 1877
Bear Hill, N.Y. (Rockland Co.) Bill blackish,
flesh-color at base of mandible. Tarsi
& toes flesh-color. Iris hazel,
 $7 \frac{13}{100}$, $11 \frac{38}{100}$, $3 \frac{54}{100}$, $2 \frac{66}{100}$ Bill, $\frac{56}{100}$, Tarsus, $1 \frac{28}{100}$

1499 *Oedemia americana* (Mills) 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 posteriorly. Inside
orange-red. Tops of toes, feet & tarsus
dusky - web black

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 $\frac{55}{100}$.
(Measured from frontal feathers) gape $2 \frac{65}{100}$
Bill to nostril $1 \frac{10}{100}$ - to eye, 3 - to occiput, $\frac{85}{100}$
Tarsus $1 \frac{50}{100}$, Middle toe $2 \frac{85}{100}$, nail $\frac{42}{100}$

Measurement
omitted - on
page 375

Heorhynchus rufus (L.) Coe.
Mimus carolinensis (L.) Sw.
Selmatodytes palustris (M.) Coe.
Scotthypis trichas (L.) Coe.
Herundo horreorum Barton
Petrichelidon lunifrons (Say) Coe. All
Ceryle riparia (L.) Bois - All these species
of Swallows were abundant on
the Telegraph-wires
Ampelis cedrorum (L.) Bd.
Vireo olivaceus (L.) Sw.
Carpodacus purpureus (Sw.) Sw.
Empidonax tristis (L.) Sw. (Very abundant;
feeding on the meadows.)
Pooecetes gramineus (Sw.) Bd.
Melospiza palustris (Sw.) Bd.
Melospiza melodia (Sw.) Bd.
Spizella socialis (Sw.) Sw.
Spizella pusilla (Sw.) Sw.
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 (Sw.) 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.
Agelaius phoeniceus (L.) Sw.
Corvus americanus Aud.
Syrnium carolinensis (L.) Bd.
Ceryle alcyon (L.) Coe.
Archilus colubris L.
Ceryle alcyon (L.) Bois
Picus pubescens L.

Scops asio (L.) Sw.
Haliaeetus leucophthalmus (L.) Sangin.
Urdea herodias L.
A. virescens L. Several on the flats.
Nycticorax nycticorax (Bodd.) Allin. 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 on
the Herony, but, possibly, they were
young, weak birds, not strong enough
for their long flight, possibly a late
brood, the first ones 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 Coe. 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.
- Amphisp. cedrorum* (L.) Gr.
- Chrysomitris tristis* (L.) B. i.
- Spizella socialis* (Wils.) Bp.
- Melospiza melodia* (Wils.) Bd.
- Junco hyemalis* (L.) Sel.
- Corvus americanus* Aud. Saw a large flock going to roost on a mountain near Cornwall.
- Cyanurus cristatus* L. Sw.
- Bonasa umbellus* (L.) Steph.
- Accipiter fuscus* (Em.) Gr.
- Buteo borealis* (Em.) V.
- Larus argentatus* Brunn.

I saw the following species of Ducks at Josh Ward's

- Fuligula marila* (L.) Steph.
- Fuligula americana* (Eyf.) Coues. 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 *Amphisp. cedrorum* 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 $\frac{75}{100}$ 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, 4 $\frac{7}{100}$.
- 1503 *Oedemia fusca* (L.) Sw. ♂ ad. Oct. 27, 1877 Hudson River at Cornwall - Irides white
- 1504 *Turdus pallasi* Cat. ♂ juv. 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. Tarsus & 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 at the throat seems to be absent in the female. The stomach contained lumps of hard clay & some stores.

Spizella monticola (Em.) 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: Dendroica coronata, Passerella iliaca, Colaptes auratus & Ampelis cedrorum, 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 Dendroica aestiva, but differing from that bird in having a suffusion of red over the forehead & ~~the~~ 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 Pyrranga ludoviciana.

No. 1507 Passerella iliaca (Merrem) Sw. ♀ Nov. 9. 1877. H. S. 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-colored.
7, 10 ⁸⁰/₁₀₀, 3 ⁴¹/₁₀₀, 2 ⁶⁶/₁₀₀ Bill ⁸²/₁₀₀ gape, ⁶⁰/₁₀₀
Occiput, from base of bill ⁹⁶/₁₀₀. Tarsus, ⁹⁷/₁₀₀.
Middle toe, ⁶²/₁₀₀; its claw, ³⁰/₁₀₀. Hallux, ¹⁰/₁₀₀; its claw ⁴⁰/₁₀₀.

1508 Sialia sialis (L.) Haldeman ♂ ad.
Nov. 9. 1877. H. S. 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 (ninteen) of Geese (Branta Canadensis), flying in a V-shape in their singular narrow-shaped form - 1

No. 1509 Dendroica coronata (L.) Gr. ♀ Nov. 15. 1877. Constitution Id. Hud. Riv. N.Y. Iris dark hazel. Bill blackish. Tarsi & toes black.
5 ⁵⁰/₁₀₀, 8 ⁷⁵/₁₀₀, 2 ⁷⁵/₁₀₀, 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
Spizella monticola (Gm.) Bd. Once seen
Dendroica coronata (L.) Gr. Abundant.
Ampelis cedrorum (C.) Bod.
Carpodacus purpureus (Sw.) Gr. Females abundant, feeding in flocks on the seeds of the iron-wood tree
Chrysomitris tristis (L.) Bp. Abundant.
Melospiza melodia (Wils.) Bd. Once seen
Junco hyemalis (L.) Sel.
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.
Agelaius phoeniceus (L.) V. One female
Corvus americanus Aud
Cyanurus cristatus (L.) Sw.
Peucaea fuscescens L.
Falco communis Temmin. One shot at and chased for some time.

Buteo borealis (Linn.) G. 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.) Steph.
Bucephala clangula (L.) Sw.
Larus argentatus (L.) Brunn.

No. 1510 *Regulus satrapa* Licht. ♂ ad. Nov. 17, 1877. Constitution Id. Huds. Riv. N.Y. Iris dark. Bill black. Tarsi & 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. Huds. 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; remainder 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* (Merrill) Sw. ♂. Nov. 17, 1877. Constitution Id. Huds. Riv. N.Y. Iris dark hazel. Bill dusky brown on maxilla & tip of mandible; remainder 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, $\frac{60}{100}$. 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. Huds. Riv. N.Y. Iris dark hazel. Bill orange on sides of maxilla, at base, & all of mandible except tip; remainder of bill dusky. Tarsi & toes olive-brown. $6 \frac{54}{100}$, $9 \frac{75}{100}$, $3 \frac{9}{100}$, $2 \frac{35}{100}$. Bill, $\frac{48}{100}$. Gape, $\frac{57}{100}$. Occiput, $\frac{86}{100}$. Tarsus, $\frac{73}{100}$.

No. 1515 *Larus Philadelphia* (Ord.) Gray. ♂ 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 , $10 \frac{3}{100}$, $4 \frac{9}{100}$. Bill, $1 \frac{27}{100}$. Gape, $\frac{92}{100}$. Occiput, $1 \frac{77}{100}$. Tarsus, $1 \frac{30}{100}$. Mid. toe & claw, $1 \frac{44}{100}$.

Nov. 21, 1877.

1516 *Dendroica coronata* (L.) Gr.
Larus Philadelphia (Ord.) Gray. ♂ ad. Nov. 17, 1877. Hudson River at Cornwall. Iris white. Legs & feet light red. Bill black, orange-red just at base of mandible.

$14 \frac{52}{100}$, $33 \frac{65}{100}$, $10 \frac{32}{100}$, $4 \frac{8}{100}$. 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.) Gr.

Nov. 24, 1877.

Larus migratorius L. (Constitution Id.)
Regulus satrapa Licht.
Picus atricapillus L.
Sitta Carolinensis Sm.
Certhia familiaris L.
Anorthya hiemalis (Wils.) G. (Scarce or Id.)
Dendroica coronata (L.) Gr. (Quite abundant)
Ampelis cedrorum (L.) W. (In large flocks)
Carpodacus purpureus (L.) Sw. Feeding upon the iron wood seeds, on Constitution Id.
Chrysomitris tristis (L.) Sw.
Melospiza melodia (Wils.) W.
Sayornis nigricans (L.) Sw.
Passerella iliaca (Merrill) Sw. (Constitution Id.)
Spizella monticola (L.) Sw. & *Corvus americanus* (L.) Sw.
Picus pubescens L. and *Bonasa umbellus*
Haliaeetus leuccephalus G. Savign.
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 22^d 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 loneliness 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
N.

1. Robin. *Turdus migratorius* (Linnaeus). Moderately common. Sometimes found in the woods.
2. Hermit Thrush. *Turdus Pallasi* (Cabanis). Common. Singl until the middle of August (R.).
3. Swainson's Thrush. *Turdus Swainsoni* (Cabanis). The commonest thrush.
4. Cat-bird. *Mimus Carolinensis* (Linnaeus). Observed beyond the mountains to the northward, near Malone.
5. Blue Bird. *Sialia sialis* (Linnaeus). Common near Malone.
6. Golden-crowned "Wren". *Regulus satrapa* (Lichten). Quite common; often heard singing in June.
7. Chickadee. *Parus atricapillus* (Linnaeus). 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* (Linnaeus). Common. The White-bellied Nuthatch was not observed here by us.
10. Brown Creeper. *Certhia familiaris* (Linnaeus). Common.
11. Winter Wren. *Troglodytes hyemalis* (Vieillot). Moderately common.
12. Blue Yellow-backed Warbler. *Parula Amincana* (Linnaeus). Very common. The Black and White Creeper we have not seen here.
13. Nashville Warbler. *Helminthophaga ruficapilla* (Wilson). Not common.
14. ? Tennessee Warbler. *Helminthophaga purpurina* (Wilson).
15. Yellow Warbler. *Dendroica aestiva* (Linnaeus). Common near Malone.
16. Black-throated Green Warbler. *Dendroica virens* (Linnaeus). Common.

17. Black-throated Blue Warbler *Dendroica caerulescens* (Linnaeus) Common.
18. Orange-throated Warbler. *Dendroica Blackburniat.* (Emelin). Common. Its song has several rather misleading variations.
19. Yellow-rumped Warbler. *Dendroica coronata* (Linnaeus). Common in August (N.). Summer-resident in the White Mountains (M.).
20. Black and Yellow Warbler. *Dendroica maculosa* (Emelin). Not common.

The following other *Dendroicae* are summer-residents in the White Mountains: Prairie Warbler, accidental; the Chestnut-sided, Bay-breasted, Black-poll'd, and Pine Warblers, all rare (M.).

21. Golden-crowned Thrush. *Spizus auricapillus* (Linnaeus). Quite common.
22. Water Thrush. *Spizus naevius* (Boddaert). Rare summer resident (N.).
23. Maryland "Yellow Throat." *Geothlypis trichas* (Linnaeus). Hardly common. Very common in the White Mountains (M.).
24. Mourning Warbler. *Geothlypis philadelphia* (Wilson). Locally not uncommon.
25. Canada "Flycatcher." *Myiodynastes canadensis* (Linnaeus). Less common than in the White Mountains, where ~~also~~ 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* (Bastou).
28. Cliff Swallow. *Petrochelidon lunifrons* (Say). Seen near Malone.
29. White-breasted Swallow. *Lachyminetes 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 ^{Clare}.
32. Cedar Bird. *Ampelis cedrorum* (Vieillot). Common.
33. Red-eyed Vireo. *Vireo olivaceus* (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* (Emelin). 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 (N.). Probably breeds.
39. Savannah Sparrow. *Passerculus savanna* (Wilson). Apparently rare.
40. Bay-winged Sparrow. *Pooecetes gramineus* (Emelin). 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 Spittine 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* (Emelin). Common.

46. Snow-bird. *Junco hyemalis* (Ginnæus). 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, *Goniaptes ludoviciana* (Ginnæus), was seen in July, 1875, on Mount Mansfield, Vt., and in July, 1877, in Essex County, New York (R.).
47. Boblink. *Dolichonyx oryzivorus* (Ginnæus). Several seen, August, 1874 (R.).
48. Cow-bird. *Molothrus ater* (Boddaert). Rare.
49. Red-winged Blackbird. *Agelaius phoeniceus* (Ginnæus). By no means abundant.
50. Rusty ~~Blackbird~~. *Scelopophagus ferrugineus* (Gmelin). Two or three seen in June (M.).
51. Crow Blackbird. *Zenaidura macroura* (Bartr.) or *atenuis* (Bd.). Neither one nor common. The Baltimore Oriole is not seen here.
52. Raven. *Corvus corax* (Ginnæus). A pair were observed at Lake Harnsby, Jr., August, 1874 (R.).
53. Crow. *Corvus Americanus* (Audubon). Comparatively uncommon.
54. Canada Jay. *Perisoreus canadensis* (Ginnæus). Locally common in the thicker woods.
55. Blue Jay. *Cyanus cristatus* (Ginnæus). Moderately common.
56. King-bird. *Tyrannus Carolinensis* (Ginnæus). Common.
57. Great Crested Flycatcher. *Myiarchus crinitus* (Ginnæus). Very rare.
58. Pewee. *Sayornis fuscus* (Gmelin).
59. Wood Pewee. *Certhia virens* (Ginnæus).
60. Olive-sided Flycatcher. *Certhia borealis* (Richardson). Not uncommon.
61. ~~Frail's~~ Flycatcher. *Empidonax traillii* (Audubon). Rare.

62. Least Flycatcher. *Empidonax minimus* (Baird). Strikingly common, and much in tree-tops.
64. ~~Nighthawk~~ "Hawk". *Chordeiles virginianus* (Gmelin).
65. Whippoorwill. *Antrostomus vociferus* (Wilson). One heard early in July (R.).
66. Whining Swift. *Chaetura pelagica* (Ginnæus). Common, and often met with in the wilds.
67. Hummingbird. *Trochilus colubris* (Ginnæus). Rare; lives in the woods.
68. Kingfisher. *Ceryle alcyon* (Ginnæus).
69. Cuckoo. *Coccyzus erythrophthalmus* (Wilson) [?]. Twice heard.
70. Pileated Woodpecker. *Hylotermus pileatus*. Rare; but found in the backwoods (R.).
71. Hairy Woodpecker. *Picus villosus* (Ginnæus). Very common; with a great variety of notes, some of which are indistinguishable from those of the *Picoides*.
72. Downy Woodpecker. *Picus pubescens* (Ginnæus). 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* (Ginnæus). Quite common.
76. ~~Green-winged Woodpecker~~ *Ceataptes auratus* (Ginnæus).
77. Barred Owl. *Syrnium nebulosum* (Forster). One shot in August, 1875 (R.). Probably not a regular resident.
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. ~~Sharp~~ Hawk. *Nisus Cooperi* (Bergström).
81. Sharp-plumbed Hawk. *Nisus fuscus* (Gmelin).
The Sparrow Hawk and the Red-shouldered Buzzard we have not seen here.
82. Red-tailed Hawk. *Buteo borealis* (Gmelin).
83. Broad-winged Buzzard. *Buteo Pennsylvanicus* (Wilson). One shot August 24th, 1874 (R.).
84. Bald Eagle. *Haliaeetus leucocephalus* (Ginnæus).
Rare, but seen at least once (R.). The Golden Eagle probably occurs here.
85. Fish Hawk. *Pandion haliaeetus* (Ginnæus).
Rare, but certainly breeds here (R.).
86. Wild Pigeon. *Cotopistes migratorius* (Ginnæus).
Undoubtedly to be found here at times.
87. Canada Goose. *Setrao Canadensis* (Ginnæus).
In some parts quite plentiful (R.).
88. Ruffed Grouse. *Bonasa umbellus* (Ginnæus).
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* (Ginnæus). Rare.
92. Bittern. *Botaurus mugitans* (Bartram). Occasional (R.).
93. Black Duck. *Anas obscura* (Gmelin). Breeds (R.).
94. Wood Duck. *Uta sponsa* (Ginnæus). Breeds (R.).
95. Merganser. *Mergus serrator* (Ginnæus)?
Breeds (R.).
96. Loon. *Colymbus torquatus* (Brünnich).
Here, but in 1870 common (R.). Heres 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.) Gr. ed still abundant, flying about with a loud chirp, and feeding on the berries of red-cedar, *Juniperus cedrorum* (L.). In large flocks *Chrysomitris tristis* (L.) Gr. in flocks *Carpodacus purpureus* flying about restlessly uttering its high keef-note. *Melospiza melodia* (Vl.) Bd. - O. C.

Nov. 27. *Dendroica coronata* (L.) Gr. still abundant.

- NO. 1517. *Dendroica coronata* (L.) Gr. ♂ ad. Nov. 24. 1877.
Constitution Id. Hudson Riv., N.Y. Iris dark hazel.
Bill & feet, black - $5\frac{68}{100}$, $9\frac{18}{100}$, $2\frac{93}{100}$, $2\frac{22}{100}$.
Bill $\frac{37}{100}$, gape, $\frac{50}{100}$. Occiput, $\frac{40}{100}$, Tarsus $\frac{69}{100}$.
1518. *Regulus satrapa* Licht. ♀ Nov. 24. 1877. Constitution Id., Hudson Riv., N.Y. Iris dark. Bill black. Tarsi & toes yellowish brown.
 $4\frac{21}{100}$, $6\frac{63}{100}$, $2\frac{19}{100}$, $1\frac{70}{100}$
1519. *Regulus satrapa* Licht. ♀ Nov. 24. 1877. Constitution Id., Hudson Riv., N.Y. Colors of parts same as 1518 - $4\frac{18}{100}$, $6\frac{60}{100}$, $2\frac{12}{100}$, $2\frac{63}{100}$.
1520. *Spizella monticola* (Gm.) Bd. ♂. Nov. 24. 1877.
Constitution Id., Hudson Riv., N.Y. Iris brown. Bill orange yellow on mandible & just at base of maxilla, on ridge; residue of maxilla, blackish. Tarsi deep brown; toes blackish brown.
 $6\frac{58}{100}$, $9\frac{65}{100}$, $3\frac{10}{100}$, $2\frac{80}{100}$. Bill, $\frac{40}{100}$; gape, $\frac{49}{100}$. Occiput $\frac{82}{100}$. Tarsus $\frac{83}{100}$, middle toe, $\frac{58}{100}$; its claw, $\frac{24}{100}$.
1521. *Spizella monticola* (Gm.) Bd. ♀ Nov. 24. 1877.
Constitution Id., Hudson Riv., N.Y. Iris brown. Colors of bill and feet just like number 1520.
 $6\frac{25}{100}$, $9\frac{10}{100}$, $2\frac{95}{100}$, $2\frac{71}{100}$.

Nov. 28, 1877

Dendroica coronata (L.) Gr. Abundant, moving about restlessly, in small bands.

Passerella iliaca (Merrem) Sw. A flock was seen among the cedars, near the river, hopping about searching for food *Carpodacus purpureus*. Females are very numerous, feeding upon the iron-wood seeds.

Turdus migratorius L.

December 2nd, 1877. (Sunday)

Dendroica 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. *Dendroica coronata* (L.) Gr.

December 7, 1877. *Dendroica coronata* (L.) Gr. Still abundant. (Quill, Bd)

No 1522 *Ampelis cedrorum* (Linn.) ~~Schlegel~~ ^{Schlegel} Dec. 7, 1877.
H. S. Iris reddish. Bill and feet black.
 $7 \frac{27}{100}$, $11 \frac{75}{100}$, $3 \frac{68}{100}$, $2 \frac{50}{100}$

1523 *Carpodacus purpureus* (Gmelin) Gray. ♀ Dec. 7, 1877.
H. S. Irides hazel; bill dusky above, horn-color on mandible; legs and feet deep brown.
 $6 \frac{13}{100}$, $10 \frac{12}{100}$, $3 \frac{28}{100}$, $2 \frac{24}{100}$.

1524 *Carpodacus purpureus* (Gmelin) Gray. ♀ Dec. 7, 1877.
H. S. 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.

Dendroica coronata (L.) Gr.

Turdus migratorius L.

Carpodacus purpureus (Gm.) Gr.

December 10, 1877.

Dendroica coronata (L.) Gr.

Carpodacus purpureus (Gmelin) Gray. Large flocks were feeding upon the berries of the cedar (*Juniperus virginiana*). The whirring flight and chattering notes of these flocks reminds one of the flight of flocks of House Sparrows (*Passer domesticus* L.)

Branta canadensis (Linn.) 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 Puckskill, I examined a finely mounted Golden Eagle, in the possession of the latter gentleman, shot Nov. 16, 1877, three miles east of Puckskill, by a farmer. Measured 6 ft 6 in in expanse.

December 19th, 1877.

The *Dendroica coronata* (Linnæus) 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 cedrorum - has been very abundant thus far, this winter
Carpodacus purpureus - 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 croak-
ing noise from the summit of the
high beeches & elms.) (Measurements lost)
- 1526 *Melanerpes erythrocephalus* ♂ juv. Dec. 28. 1877.
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, $\frac{37}{100}$
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 strong-
ly 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 21st to Jan. 2. 1878

- 1 *Parus atricapillus* L. Abundant
- 2 *Sitta carolinensis* Gm.
- 3 *Carpodacus purpureus* (Gm.) G.

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.) Mr. 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. *Buteo virginianus* (Gm.) N.B.
11. *Bonasa umbellus* (L.) Stejneger
12. *Icterus canadensis* L. A fine specimen
was sent in to Mr. Dayan at Lyons Falls.
13. *Empidonax traillii* (G.) N.B. Abundant.
14. *Empidonax griseus* (Wils.) N.B. Numerous
15. *Certhia familiaris* L.

January 7, 1878.

When I left Highland Falls (Dec. 20, 1877),
the *Dendroica coronata* (Linnaeus) Gray. was
present in considerable numbers. This morn-
ing 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 *Dendroica coronata* are still present.
Thermometer standing at zero at sunrise.
-ground covered deeply with snow-

January 12, 1878.

Today 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.) Hald.
Regulus satrapa Licht.
Parus atricapillus L.
Anthus h. h. h. (L.) Sel. - One seen
Dendroica coronata (L.) Gr. Abundant
 at Constitution Island, and at Highland Falls.
Ampelis cedrorum (L.) 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 hudsonius One sat on a
 may-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 charge
 the cartridge. They occupied a very
 small ^{of the} space, that was free from ice.

Fuligula macrura
Bucephala albeola
Larus argentatus (L.) Bonn.
Bonasa umbellus (L.) Stephens

Zenaidura macroura

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, look-
 askance at me, and finally it hopped
 up on the rail, where it sat ogling
 me till a train came along, when
 it flew up on the ledge. A track-
 man told me that they were occa-
 sionally present there throughout the
 winter winters. He also informed me
 that he secured a Ruffed Grouse, which
 was killed by flying in front of the
 smoke-stack of an engine, air rising
 from the track, where they come to feed.

Jan. 14, 1878. - In *Dendroica coronata*
 and *Carpodacus purpureus* are very numerous,
 also *Turdus migratorius* L.

Jan. 14, 1878 - In *Bucephala clang-
 ula* 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.) Bonn.
 have been here all winter.

January 18, 1878.

Sialia sialis (L.) Haldane - Very numerous.
Parus atricapillus L. Common
Sitta carolinensis - One seen.

Dendroica 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 chirping was very singular. Old males were quite scarce. Females were seen sitting alone upon tree tops singing a loud, sweet song.

Oedemia fusca - The Velvet Scoters are rather numerous in the river, and are very fond of sitting upon the ice, beside the river 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 (Gmelin) Gr. ♀ Jan. 18, 1878.
H. N.Y. $6 \frac{24}{100}$, $10 \frac{9}{100}$, $3 \frac{25}{100}$, $2 \frac{15}{100}$, Bill $\frac{49}{100}$ gape, $\frac{60}{100}$
Occiput $\frac{85}{100}$ Tarsus $\frac{72}{100}$ Bill dusky brown color; corners of mouth yellow. Iris dark hazel. Tarsi & toes deep purplish brown.

1533 Chrysomitris tristis (L.) Bp. ♂ ad Jan 12, 1878.
H. N.Y. $5 \frac{15}{100}$, $8 \frac{89}{100}$, $2 \frac{90}{100}$, $2 \frac{1}{100}$ Bill $\frac{40}{100}$ Tarsus $\frac{53}{100}$
(yellow on rump)

No. 1534 Chrysomitris tristis (L.) Bp. ♂ Jan. 12, 1878.
H. 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 (L.) Haldeman. ♀ Jan. 10, 1878.

1536 Chrysomitris tristis (L.) Bp. ♀ Jan 12, 1878.
H. N.Y. Feeding on seeds of white birch tree.

1537 Carpodacus purpureus (Gmelin) Gr. ♂ ad. Jan. 20, 1878, H. 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 $\frac{40}{100}$ Tarsus $\frac{69}{100}$.

1538 Spizella monticola (Gmelin) Baird. ♂ Jan. 22, 1878 H. N.Y. Bill orange-yellow on mandible & ridge of maxilla at base; remainder of bill blackish. Iris hazel Tarsi deep brown; feet darker brown - almost blackish. $6 \frac{28}{100}$, $9 \frac{38}{100}$, $2 \frac{97}{100}$, $2 \frac{72}{100}$. Bill $\frac{41}{100}$; gape $\frac{46}{100}$, occiput $\frac{79}{100}$. Tarsus $\frac{75}{100}$. Middle toe, $\frac{55}{100}$; its claw, $\frac{23}{100}$.

1539 Parus atricapillus Linné. ♀ January 22, 1878.
H. 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 23, 1878.
H. N.Y. Irides very dark. Bill black. Tarsi & toes dark grayish blue. $5 \frac{36}{100}$, $8 \frac{36}{100}$, $2 \frac{63}{100}$, $2 \frac{43}{100}$.

1541 Regulus satrapa Licht. ♂ ad. Jan. 24, 1878. Coggins, Landing, H. Riv.

A List of Birds Seen

at Putnam, Ct. 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 tree-dee
Sitta carolinensis Sm. - Only one seen (has been scarce)
Certhia familiaris L. - Very abundant.
Anorthura hyemalis (Wils.) Gz. - One in saltmarsh
- Androeca 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 G. W. B. Melospiza melodia (Wils.) B. Spizella monticola (Gm.) B. Abundant. Junco hyemalis (L.) Sel. Abundant. Corvus americanus Aud. Pinus 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.

Haliaeetus leucocephalus (L.) Savigny. Several adults & young were seen in the River, and in the old place. —

Bonasa umbellus (L.) Steph. Larus argentatus (L.) Brunn.

Coccyzus albicollis (L.) B. A good-sized flock, composed entirely of males, was seen.

Note

Larus philadelphia (Ord) Leves. — Wm. Osborn took an immature Bonaparte's Gull near Constitution Id. Dec. 24, 1877.

No. 1542 Regulus satrapa Licht. ♀ Jan. 25, 1878. Constitution Id. N. Riv., N.Y. Iris dark brown. Bill black. Tarsi and toes deep brown; ~~toes~~ 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. Harrison's 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 Dendroica coronata (L.) Gr. ♂ ad. Jan. 25, 1878. Harrison's, 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-berry.

1545 Spizella monticola (Gm.) B. ♂ Jan. 25, 1878. Constitution Id. Putnam Co. N.Y. All of mandible but tip, and base of maxilla, orange-yellow; remainder of bill black. Iris, deep brown. $6 \frac{41}{100}$, $9 \frac{52}{100}$, $3 \frac{2}{100}$, $2 \frac{85}{100}$.

1546 Spizella monticola (Gm.) B. ♂ 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.) B. ♂ 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 ferruginea, 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 Harrison's! Does not it? Wm. Church Osborn."

February 6th, 1878.

Regulus satrapa Licht. — Abundant Dendroica coronata (L.) Gr. I shot one in the grave yard; they were quite plenty. The weather has been severely cold, and stormy; and the ground is thickly covered with snow. Carpodacus purpureus (Gm.) Gr. Abundant; shy. Chrysomitris tristis G. W. B. Chrysomitris pinus Wilson — The Chrysomitris pinus & C. tristis were numerous among — see page 408 —

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the hemlocks, at Fort Montgomery, feeding together, upon the seeds of the *Podocarpus*.

The two species were associated in the same flock, and mixing freely.

Haliaeetus leucocapillus (L.) Savign. 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 ⁹⁰/₁₀₀. 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 just 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 (¹⁵/₁₀₀). Middle toe, ⁴²/₁₀₀; its claw, ²⁰/₁₀₀. Outer toe, ³⁰/₁₀₀; its claw, ¹⁵/₁₀₀.

No. 1550 *Dendroica coronata* (Ginn.) Gray ♂ Feb. 6th. 1878.

N.Y. Cemetery. Iris hazel. Bill, tarsi & toes, black; 5 ⁴¹/₁₀₀, 9 ⁸¹/₁₀₀, 2 ⁹⁵/₁₀₀, 2 ²³/₁₀₀. Bill, ³⁷/₁₀₀; gape, ⁴⁹/₁₀₀. Tarsi, ⁷⁰/₁₀₀.

1551 *Sialia sialis* (L.) Haldeman ♂ ad. Feb. 5, 1878.

Iris hazel. Bill, tarsi & toes, black. 7 ¹³/₁₀₀, 12 ³⁴/₁₀₀, 4 ³⁰/₁₀₀, 2 ⁴⁵/₁₀₀. Bill ⁴⁷/₁₀₀; gape, ⁷⁵/₁₀₀. Occiput, ¹⁴/₁₀₀. Tarsi, ⁷⁵/₁₀₀.

1552 *Sialia sialis* (L.) Haldeman ♂ ad. Feb. 9, 1878. N.Y. City.

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 virginiana*.

Dendroica coronata (L.) Gr. Very numerous among the cedars, and all along the way; feeding on cedar berries in company with robins *Carpodacus purpureus* (Cm.) Gr.

Ampelis cedrorum (L.) Bp.

February 13, 1878

Started to go to West Point library; saw Eagle returned for gun; Eagle gone; built power; waited; Eagle didn't come; - "As I lie here, within my screen of hemlock boughs, a Winter Wren (*Anthus hyemalis*) flies down, and the first intimation I have of his presence

is a rapid metallic utterance, sounding very like the noise produced by rocking 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 G. L. Br. 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 not; he did not. The *Anorthura hyemalis* came close up to me; and my retreat afforded an irresistible attraction to the *Scurius pudsonii* 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 tree, I saw a male Eagle sitting on it, looking calmly at my cover, but at my exclamation he seemed somewhat disconcerted; ~~coming to~~ I brought my gun up, he left 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 fast 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

Haliaeetus leucocephalus G. L. Savigny ♂ ad.
West Point, N. Y. Feb. 15, 1878

Bill, cere, feet, superciliary 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, 7.86; its claw, 1.17; hallux, 1.53; its claw, 1.69.

Weight, 10 lbs., 4 oz. Length 32.87; ^{behind} 84.10; ^{hind} 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. Elmichthys marinus*).

One of the shot (No. 13.) entered the sternum and, passing through the heart, passed out between the ribs, lodging in the skin. The bird afterwards 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* (Linn.) Gr. ♂ ad. Feb. 21, 1878. H. 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* (Linn.) Gr. ♂ Feb. 21, 1878. H. 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, $\frac{62}{100}$; middle toe, $\frac{54}{100}$.

1556 *Carpodacus purpureus* (Linn.) Gr. ♂ Feb. 21, 1878. H. 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. N. Y. Iris reddish brown. Bill bluish black; tarsi & toes greenish. $6 \frac{87}{100}$, 12 , $3 \frac{84}{100}$, $2 \frac{41}{100}$. Bill, $\frac{61}{100}$, Tarsus, $\frac{61}{100}$.

Note

Mr. William C. Osborn furnished 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 Sparrows (*Passer domesticus*), one of their number having been left dead on the field, along with the luckless Woodpecker."

February 23rd, 1878

Sialia sialis G. / Haldeman - Abundant; singing; *Regulus satrapa* G. / Wetmore. Numerous.

Parus atricapillus Linné
Sitta carolinensis Gm.
Certhia familiaris Linné.

Anorthura hymnalis - Numerous on Constitution Id.
Dendroica coronata (W. Gr.) Quite abundant
Ampelis cedrorum (L.) B. 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 hairsomely tipped with yellow.

Carpodacus purpureus (Linn.) Gr. Singing (both sexes) & chirping loudly; abundant.

Chrysomitris tristis L. / Bp.
Melospiza melodia (W. B.) Baird - Singing sweetly
Spizella monticola (W. B.) B. Feeding on alders.
Corvus americanus Aud.

Picus pubescens L. Almost gregarious on the Island.
Buteo borealis - Unapproachable on C. in meadow.
Larus argentatus (L.) Bonn - Two seen
Fuligula clangula - Flying north; ^{above} overclouded
Anas obscura - A large flock.

NO. 1558 *Ampelis cedrorum* (L.) B. ♂ ad. Feb. 23, 1878. Harrison's Station, N. Y. Irides reddish hazel; bill and feet bluish black. - $7 \frac{31}{100}$, $11 \frac{79}{100}$, $3 \frac{78}{100}$, $2 \frac{41}{100}$. 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* (L.) B. ♂ Feb. 23, 1878. Constitution Island. Iris reddish hazel. bill and feet ^{beak} reddish hazel. $7 \frac{25}{100}$, $11 \frac{86}{100}$, $3 \frac{77}{100}$, $2 \frac{44}{100}$. Bill, $\frac{42}{100}$; gape, $\frac{73}{100}$; Tarsus, $\frac{65}{100}$.

Ampelis cedrorum (C.) Bd. ♂ ad. February 23, 1878.
Constitution Island, Hudson River, N. Y. A single horny appendage to one scrotum.

7 ⁴⁹/₁₀₀, 11 ⁹⁸/₁₀₀, 3 ⁸⁸/₁₀₀, 2 ³⁸/₁₀₀. Bill, ⁴⁴/₁₀₀, gape, Tarsus, ⁶⁵/₁₀₀.

Irides reddish hazel. Bill & feet blue-black.

1561 *Parus atricapillus* L. ♂ Feb. 23, 1878. Harrison's Putnam County, N. Y. Iris dark hazel. Bill black. Legs & feet lead-color. 5 ³⁷/₁₀₀, 8, 3 ⁵⁸/₁₀₀, 2 ⁴⁴/₁₀₀.

1562 *Ampelis cedrorum* (C.) Bd. ♂ ad. Feb. 23, 1878. Constitution Id. Iris reddish hazel. Bill & feet blue-black, 7 ³⁷/₁₀₀, 12 ⁵/₁₀₀, 3 ⁸⁶/₁₀₀, 2 ³⁵/₁₀₀. Bill, ⁴⁴/₁₀₀; gape, ⁷³/₁₀₀; Tarsus, ⁶⁶/₁₀₀.

1563 *Ampelis cedrorum* (C.) Bd. ♀ ad. Feb. 23, 1878. Constitution Island. Iris dark reddish hazel; bill & feet bluish black; horny appendages developed. 7 ²⁰/₁₀₀; 11 ⁸¹/₁₀₀; 3 ⁷⁵/₁₀₀; 2 ²⁵/₁₀₀. Bill ³⁶/₁₀₀; gape, ⁶⁵/₁₀₀; Tarsus, ⁶⁴/₁₀₀.

1564 *Carpodacus purpureus* ♀ Feb. 23, 1878. Harrison's (1) Bill above brown; below horn-color. Irides dark hazel. Legs & feet brown. 6 ¹⁸/₁₀₀, 9 ⁹⁹/₁₀₀, 3 ¹⁹/₁₀₀, 2 ²³/₁₀₀.

1565 *Carpodacus purpureus* ♀ Feb. 23, 1878. Harrison's, N. Y. Color like above. 6 ³⁸/₁₀₀, 10 ¹⁵/₁₀₀, 3 ²⁵/₁₀₀, 2 ³⁰/₁₀₀. Bill, ⁴⁵/₁₀₀.

1566 *Carpodacus purpureus* ♀ Feb. 23, 1878. Harrison's, N. Y. Colors like above. 6 ²⁵/₁₀₀, 10 ²⁵/₁₀₀, 3 ¹⁸/₁₀₀, 2 ²⁰/₁₀₀.

1567 *Picus pubescens* L. ♀ Feb. 23, 1878. Harrison's, N. Y. Constitution Island, Hudson Riv., N. Y. Iris reddish hazel. Bill blue black. Tarsi and toes greenish. 6 ⁸⁷/₁₀₀, 12 ¹⁰/₁₀₀, 3 ⁸⁶/₁₀₀, 2 ⁴⁹/₁₀₀.

1568 *Ampelis cedrorum* (C.) Bd. ♂ (ad.?) no horny appendages. Iris reddish hazel. bill black; legs and feet blackish. 7 ⁴/₁₀₀, 11 ⁸⁰/₁₀₀, 3 ⁷⁸/₁₀₀, 2 ³³/₁₀₀. 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: -

Turdus migratorius L. Has recently appeared in considerable numbers; has been very scarce all winter.

13 *Sialia sialis* (L.) Haldeman Abundant throughout

2. *Regulus satropa* Licht. Abundant throughout.

3. *Parus atricapillus* Linné " "

4. *Sitta carolinensis* Gm. Scarce " "

5. *Certhia familiaris* Linné. Abundant " "

6. *Anorthura hyemalis* (Wils.) Res. Not abundant, but

7 present throughout

7 *Dendroica coronata* (L.) Gr. Quite common throughout

8 *Ampelis cedrorum* (C.) Baird. Irregularly present

9 *Carpodacus purpureus* (Gm.) Gr. Common throughout

but only a very few males are seen; very wild.

10 *Chrysomitris tristis* (L.) Bp. Very common throughout

11 *Chrysomitris 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* Linné

18 *Corvus americanus* Aud. Has been passing

northward for some weeks past.

19 *Cyanurus cristatus* (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 *Leopasia* (L.) Bp.

23 *Buteo borealis* (Linné) W. Abundant all winter

24 *Falco leucocephalus* (L.) Gory. Present throughout.

25 *Zenaidura macroura* (L.) Bp. Occasionally present

26 *Bonasa umbellus* (L.) Steph.

27 *Circus obscurus* Gm. Present nearly or quite throughout

28 *Fuligula marila* (L.) Steph. do

29 *Bucphala clangula* (L.) Gr. do

30 *Bucphala albeola* (L.) Bd. do

- 31 *Harelda glacialis* (L.) Leach
- 32 *Oedemia fusca* (L.) Sw. Present throughout
- 33 *Mergus merganser* L. " "
- 34 *Mergus senator* L. " "
- 35 *Larus argentatus* (L.) Bonn

February 28, 1878
List of Birds Seen

- Sialia sialis* (L.) Haldeman
- Parus atricapillus* L.
- Chrysomitris tristis* (L.) W. Sp.
- Melospiza melodia* (Wils.) B. D. Singing
- Junco hyemalis* (L.) Sel. Singing
- Passerella iliaca* Merrem Sw. First seen (I shot)

Anc of a flock seen and shot - Note a low ~~tree~~
Picus pubescens L. Several days since a Downy was observed digging a hole in a pear tree, 4 1/2 ft from the ground. This afternoon, at 4 1/2 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 feathers, with a red-ruffed head tucked in the middle. I left the spot and called Miss Anna to come and see my Downy, and after talking 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 with

drove to a distance, and sat watching; after an elapse of five minutes he flew from the limb (from which he had not started) and re-entered his burrow. While sleeping, his whole frame heaved at every breath.

Oedemia 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 bathing and dressing. At 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. F ad. Feb. 28, 1878 N. Y. Iris hazel. Bill with sides of maxilla, and basal 1/2 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 21/100, 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.

Dendroica 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 forty 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 ^{part} 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 ~~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 Dendroica coronata (L.) Gr. (seen March 4, 1878.)
Dendroica coronata - One ^{small} flock seen ^(in winter) (in winter).
Passerella iliaca (Merrem) Sw. Numerous
Carpodacus purpureus (L.) Gr. Immense flocks at Fort Montgomery were feeding on the seeds of the hemlocks, and on the ground where 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.) Selater Singing merrily

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 ^{own} flying way, however at my approach to the woods, and not returning till late.

March 8th, 1878

Lusicalus puspureus First seen
Passerella iliaca (Merrem) Sw. Abundant

March 9th, 1878

Turdus migratorius L.
Sitta carolinensis Gr.
Dendroica coronata (L.) Gr.
Lusicalus puspureus
Spizella monticola (Am.) Bd. Singing an exceedingly sweet song.
Junco hyemalis (L.) Sel. Singing sweetly
Passerella iliaca (Merrem) Swanson Singing

No. 1570 Carpodacus purpureus (L.) Gr. ♂ ad March 6, 1878
H. & W. Iris hazel; bill with maxilla fleshy brown, tipped black; mandible flesh-color shading into horn-color at tip. Legs & feet brown.
6 ²⁶/₁₀₀, 10 ²⁵/₁₀₀, 3 ²⁹/₁₀₀, 2 ²⁸/₁₀₀. Bill, ⁴⁶/₁₀₀. Tarsus, ⁶⁶/₁₀₀.

1571 Carpodacus purpureus (L.) Gr. ♂ ad March 6, 1878
H. & W. Colors the same as above
6 ²⁷/₁₀₀, 9 ⁹²/₁₀₀, 3 ²⁵/₁₀₀, 2 ³²/₁₀₀. Bill, ⁴⁵/₁₀₀. Tarsus, ⁶⁴/₁₀₀.

NO. 1572 *Carpodacus purpureus* (Im) ♂ March 6, 1878, 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* (Im) ♂ March 6, 1878, N. ~~Y.~~ 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. N. ~~Y.~~ N. Y. Iris hazel; bill with maxilla brown, yellow 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, N. ~~Y.~~ 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 N. ~~Y.~~ 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 N. ~~Y.~~ N. Y. Iris hazel. Bill brownish black i. on maxilla; mandible yellow at base, 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, ⁹⁶/₁₀₀. Tarsus, ⁷⁰/₁₀₀.

1578 *Ampelis cedrorum* (V. Bd) ♂ March 6, 1878 N. ~~Y.~~ 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. N. ~~Y.~~ 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. N. ~~Y.~~ 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. N. ~~Y.~~ N. Y. Iris reddish hazel; bill & feet black.
7 ²⁸/₁₀₀, 12 ⁵/₁₀₀, 3 ⁸⁸/₁₀₀, 2 ³¹/₁₀₀.

NO. 1582 *Ampelis cedrorum* (V. Bd) ♂ March 6, 1878. N. ~~Y.~~ N. Y. Iris reddish hazel. Bill & feet black.
7 ³⁸/₁₀₀, 11 ⁶²/₁₀₀, 3 ⁷⁵/₁₀₀, 2 ⁴²/₁₀₀

1583 *Sitta carolinensis* Im. ♂ ad. March 9, 1878. N. ~~Y.~~ N. Y. Iris hazel; bill blue-black on maxilla; very light bluish at base, 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* Im. ♀ ad. March 9, 1878. N. ~~Y.~~ 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 shot gun 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 (*Myiarchus cinerascens*? Nov. 7, 1878 E. A. M.)

Ampelis cedrorum (V. Bd). Feeding upon the seeds of the sumach.

Myiarchus cinerascens (?)
Circus pubescens L. Large numbers of these were seen - apparently a migrating body, tho they were scattered through the woods in pairs.

March 13th 1878

Sayornis leucurus - first seen
Buteo borealis
Buteo pennsylvanicus (Wils) N. Y. First seen a flock of five was seen, besides two others.

No. 1585

- Chrysomitris tristis* ♂ March 2, 1878 H. Sny.
5 $\frac{15}{100}$; 8 $\frac{88}{100}$; 2 $\frac{82}{100}$; 1 $\frac{97}{100}$. (Moulting)
- 1586 *Ampelis cedrorum* ♀ March 13, 1878. H. Sny.
Iris reddish hazel; bill & feet black.
7.18; 12; 3.88; 2.28.
- 1587 *Ampelis cedrorum* ♀ March 13, 1878, H. Sny.
7.25; 11.81; 3.78; 2.33. Iris reddish hazel; bill & feet black.
- 1588 *Ampelis cedrorum* ♀ March 13, 1878, H. Sny.
Iris reddish hazel; bill & feet black.
7.02; 11.77; 3.86; 2.35.
- 1589 *Ampelis cedrorum* ♂ March 13, 1878, H. Sny.
Iris reddish hazel; bill & feet black.
7.35; 11.84; 3.79; 2.36.
- 1590 *Ampelis cedrorum* ♂ March 13, 1878, H. Sny.
Iris reddish hazel; bill & feet black.
7.15; 12.04; 3.93; 2.39.
- 1591 *Ampelis cedrorum* ♂ March 13, 1878, H. Sny.
7.10; 11.85; 3.83; 2.30. Iris reddish hazel; bill & feet black.
- 1592 *Carpodacus purpureus* ♂ ad. H. Sny. March 15, 1878
Shot by E. 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 H. Sny.
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. H. Sny.
7.25; 11.62; 3.64; 2.35. Bill, .42; tarsus, .63.
- 1595 *Ampelis cedrorum* ♀ March 13, 1878. H. Sny.
7.19; 11.60; 3.71; 2.35. Bill, .45.
- 1596 *Ampelis cedrorum* ♀ March 13, 1878, H. Sny.
7.14; 11.75; 3.64; 2.32.
- 1597 *Ampelis cedrorum* ♀ March 13, 1878. H. Sny.
7.25; 11.85; 3.72; 2.35.
- 1598 *Ampelis cedrorum* ♀ March 13, 1878 H. Sny.
Iris reddish hazel. Bill & feet black.

- 1599 *Ampelis cedrorum* ♀ March 11, 1878. H. Sny.
Iris reddish hazel; bill & feet black.
- 1600 *Turdus migratorius* ♂ ad. March 15, 1878. H. Sny.
Iris 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. H. Sny.
Iris reddish hazel; bill & feet black.
- 1602 *Ampelis cedrorum* ♀ March 11, 1878. H. Sny.
Iris reddish hazel; bill & feet black.

March 26, 1878.

- Spizella pusilla* Wilson (Pop. First seen. (!!!))
Sayornis fuscus - quite numerous for some time
Spizella monticola - not seen for several days
Junco hyemalis - very numerous
Ceryle alcyon L. Boie First seen

A List of Birds seen at Rhinebeck, N.Y. from March
18th to 23rd. 1878

<i>Turdus migratorius</i> L.	<i>Corvus americanus</i>
<i>Sialia sialis</i>	<i>Cyanurus cristatus</i>
<i>Parus atricapillus</i>	<i>Sayornis fuscus</i>
<i>Sitta carolinensis</i>	<i>Picus pubescens</i>
<i>Dendroica coronata</i>	<i>Picus villosus</i>
<i>Carpodacus purpureus</i>	<i>Colaptes auratus</i> <small>(First seen Mar. 21, 1878)</small>
<i>Chrysomitris tristis</i>	<i>Buteo borealis</i>
<i>Melospiza melodia</i>	<i>Buteo lineatus</i>
<i>Junco hyemalis</i>	<i>Haliaeetus leuccephalus</i>
<i>Passerella iliaca</i>	<i>Bonasa umbellus</i>
<i>Passer domesticus</i>	<i>Larus argentatus</i> .
<i>Spizella monticola</i>	

The Rev. Mr. Wheatley related, at Miss. Garretton's
table, how a Swallow, *Hirundo horreorum* flew into
his hand, while he was preaching in the Rhinebeck
Church, on Sunday morning service

Jonathan Cook, (Light House Keeper, Hudson river near Rhinebeck), Port Ewen, Ulster Co. N.Y.
Two Mergus merganser found dead under the light.

March 27, 1878

Agelaius phoeniceus first seen
Coccytes auratus + Abundant.

No. 1603 Carpodacus purpureus ♀ ad. March 26, 1878. H. S. 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. S. N.Y. Iris hazel; bill & feet black
7.18; 11.38; 3.47; 2.94. Bill, .59. Tarsus, .71.

1605 Sayornis fuscus ♂ ad. March 25, 1878. H. S. N.Y. Iris hazel; bill & feet black.
7.26; 11.80; 3.52; 3. Bill, .59. Tarsus, .70.

March 30, 1878

Turdus migratorius Chrysomitris tristis
Sialia sialis Melospiza melodia
Regulus calendula Pooecetes gramineus
Parus atricapillus first seen

Certhia familiaris Junco hyemalis
Carpodacus purpureus Passerella iliaca
Passer domesticus Agelaius phoeniceus
Molothrus ater Sturnella magna
first seen Cornus americana

Sayornis fuscus Pipilo pubescens
Coccytes auratus Haliaeetus leucocephalus
Larus argentatus seen yesterday,

Notes

Junco hyemalis. Wm. Osborn informs me that he found the snow-bird at Lake Mohawk, N.Y. about July 25, 1877.
Conturmiculus 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 Garrison, 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.

Conturmiculus passerinus Found by Wm. Wm. C. Osborn at various points between Catskills & 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. Garrison, 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. S. 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. S. N.Y. Iris hazel. Bill & feet black.
7.24; 11.52; 3.50; 2.99. Bill, .65. Tarsus, .69.

April 2nd, 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 trill.

April 1, 1878 Certhia familiaris warbling a sweet, moderately loud song, that puzzled me for a long time. Bird early clinging to side of tree

April 3, 1878. *Dendroica coronata* - moulted
 2. *Spizella socialis* - 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. S. N.Y.
 6.10; 3.18; 2.38

1611. *Sayornis fusca* ♂ ad. April 3, 1878. H. S. N.Y.
 7.27; 11.32; 3.47; 3.05. Bill & feet black. Iris hazel.

1612. *Passerella iliaca* ♂ ad. April 4, 1878. H. S. N.Y.
 7.65; 11.78; 3.56; 3.03.

1613. *Dendroica coronata* ♂ ad. April 4, 1878. H. S. N.Y.
 5.71; 9.32; 2.93; 2.25. Iris hazel.
 Bill & feet black.

1614. *Melospiza melodia* ♂ ad. Apr. 10, 1878. H. S. N.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. *Coccyzus erythrophthalmus* ♀ ad. April 11, 1878. H. S. N.Y.
 Bill ~~black~~ 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. S. N.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. 427

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.

Dendroica coronata - Not seen since the 4th.

Ampelis cedrorum - very scarce lately

Junco hyemalis - Not very numerous.

Spizella pusilla - Drilling its loud notes ^{where} every-
 where.

Zonotrichia albicollis - Not one has appeared
 about near since last autumn, tho' they have
 been numerous about Riverdale (Beekmill
 side 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 "don't seem

to run across 'em". "If he finds 'em they'd

better say vespers".

Ceryle alcyon - Along the river.

Larus argentatus - Numerous on the

river

Anas obscura - A Dusky Duck gave

me much amusement, not unaccompan-

-ied 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 nice-

-ly and his body performed 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 extent,

when alarmed, and then squatted low

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. - Uttering a loud chirp

I examined the Consook 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 ~~seen~~ building.

Ceryle alcyon. On the River.

No. 1617. *Turdus migratorius*. ♀ ad. Apr. 12, 1878. N. Jersey

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. Jersey

7.30; 11.53; 3.50; 2.76. Bill, .65; from nostril, .40; tarsus, .15.

1619. *Spizella socialis*. ♂ ad. April 15, 1878. N. Jersey

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. Fishkill,

Croft House (near Garrison), Putnam Co. N. Y.

Irides dark hazel. Bill horn-color on maxilla;

tip blackish. Tip of mandible black; residue

bluish flesh-color. Tarsi & 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. *Sivrus motacilla*. ♂ ad. April 20, 1878. Putnam

County, N. Y.

1625. *Regulus calendula*. ♂ ad. April 20, 1878. Garrison,

Putnam County, N. Y.

1626. *Sphyrapicus varius* ♀ ad. (♂ ad.) April 20, 1878.

Garrison, 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. Garrison,

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. Garrison,

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. Garrison

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. Jersey.

Irides dark hazel. Bill pale, fleshy pink, with just

at trace of the dusky tip on maxilla. ~~Legs~~ ^{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 ~~swam~~ 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 Fustkill, Dutchess Co. N.Y. April 18-19, 1878.

Turdus migratorius. Sturnella magna. - Very abundant; singing very pleasantly.
Sialia sialis. -
Parus atricapillus. Corvus americanus.
Toxostoma bicolor. - First seen. Sayornis fuscus.
Carpodacus purpureus. Picus pubescens.
Chrysomitris tristis. Colaptes auratus.
Poecetes gramineus. Ceryle alcyon.
Melospiza melodia. Junco (—?).
Spizella socialis.
Spizella pusilla.
Passer domesticus.
Molothrus ater. - Very numerous
Agelaius phoeniceus. - numerous & musical

A List of Birds seen at Garrison, Putnam Co. N.Y. April 20, 1878.

Turdus migratorius. Swainson's motacilla. In
Sialia sialis. Pairs; singing loudly; shrill.
Regulus calendula. Singing very sweetly
Parus atricapillus
Dendroica palmarum. First seen; quite abundant at several points.

Carpodacus purpureus. Males abundant; singing
Chrysomitris tristis. Molt 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. Aphyrapius varius.
Agelaius phoeniceus. Ceryle alcyon
Molothrus ater. - Very numerous.
Sturnella magna. - Numerous; singing, 2 shot.
Sceloporus ferrugineus. Quite numerous.
Corvus americanus. Zenaidura carolinensis.
Philohela minor. Two young ones were caught
 by the men on the place last Sunday
 (the 14th). Pandion haliaetus. One seen.
Fringoides macularius (?) Thought I heard one.

Notes

Zenaidura carolinensis. - Wm. Astor found
 nest containing two eggs, at Princeton, N.Y.
 on the 13th of April, 1878.

Swainson's motacilla. - Two specimens were
 shot by Wm. Astor, on April 19th, 1878.
 The first seen.

Aphyrapius varius. - One (♂) shot by Wm.
 Astor, at Highland Falls, N.Y. Apr. 19, 1878.
 I shot a female at Garrison 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 (*Emmophila 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. *Marca americana*. - Mr. de Nottbeck has two specimens, both females. One taken in fall, and one in spring.
4. *Totanus flavipes*. Lesser Yellow-legs. Specimen taken in autumn of 1876. Was found in large flocks.
5. *Marca americana*. The female taken in autumn (mentioned above) was shot in 1875, and was the first of the migratory Ducks that appeared.
6. *Myiodiopsis mitratus*. Rare; one specimen taken.
7. *Loxia americana*. Several specimens taken at St. Regis Lake, Adirondack Wilderness, N.Y. later in October, 1877. Abundant there in large, chattering flocks.
8. *Syrnium nebulosum*. adult. Matteawan, N.Y. The only one seen by him.
9. *Luscalus purpureus*, var. *aeneus*. ♂ ad. Fishkill village N.Y. "Quite 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. Ten Point (3 miles north of Fishkill, on the Hudson River. Nov. 14, 1876.
13. *Pari-tailed Duck*. ♂ ad. Huds Riv. at Fishkill.
14. *Gorus philadelphia*. immatures (nearly full plumaged) Tail with terminal bar of black; ends of scapulas brownish.
15. *Erismatura rubida*. - Ruddy Duck. October, 1877. Franklyn Co. N.Y. (Alsgood pond). Abundant in flocks. Several flocks seen in Hudson at Fishkill. One specimen taken there.
16. *Poryana carolina*. Rainbow pond, Franklyn County, N.Y. October, 1877.
17. *Helminthicus versivorus*. 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 copied from Note-Book of Peter de Nottbeck, Esq. of Fishkill, N.Y.

- | | | |
|--------------------------------|----------------|-----------------------------|
| <i>Sayornis fusca</i> | First seen | March 26, 1876. |
| <i>Tachycineta bicolor</i> | do | April 17, 1876. |
| <i>Troglodytes aedon</i> | do | April 23, 1876. |
| <i>Spizella socialis</i> | do | April 15, 1876. |
| <i>Pipilo erythrophthalmus</i> | do | Apr. 30, 1876; Heard before |
| <i>Hirundo horreorum</i> | do | Apr. 25, 1876 |
| <i>Icterus spurius</i> | do | May 5, 1876. |
| <i>Ceryle alcyon</i> | - Four young - | met May 30, 1876 |
| <i>Agelaius phoeniceus</i> | do | May 28, 1876. |
| <i>Icteria virens</i> | - scarce in | early July |
| <i>Picus villosus</i> | do | do |

Fulica americana. Shot specimen Oct. 3rd, 1876.
Tuscalus purpureus. Arrived February 29, 1877
Melospiza melodia. - Four eggs May 20, 1877

Mr. de Notbeck assured me that Mr. Joseph Fuller, a collector who formerly lived in Dutchess County, had found the nest of the White-headed Eagle (Haliaeetus leucocephalus) near the Hudson. Mr. Fuller has moved West, and I could not get his address.

April 22, 1878.

Ardea herodias. - 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

Dendroica coronata. First seen since April 4th. The moult (which takes place at the same time as in Chrysomitris tristis) is now complete. Very abundant
Merula migratoria. First seen.

Coccyzus americanus. Found nest containing four eggs.

Dendroica palmarum.

Seiurus motacilla. Singing

No. 1632. Seiurus motacilla, ♂ ad., April 23, 1878. H. S. N.Y.
 Iris hazel. Bill brownish black, basal one half of mandible flesh-color. Legs & feet flesh-color.
 6.27; 10.54; 3.20; 2.15. Bill, 58; tarsus, 92.

1633. Agelaius phoeniceus, ♂ ad., April 24, 1878. H. S.
 Iris 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 leafed toy") 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 whenever 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. Moss Har-
 -ison informed
 me that he had
 a whippoorwill on
 the evening of
 April 20th. (1878)

Antrostomus vociferus. * One was seen flying over the road, and another was heard distinctly during the early part of the evening.

Dendroica palmarum & Seiurus motacilla
Agelaius phoeniceus. etc.

April 25, 1878.

1. Troglodytes aedon. - First seen; singing on the balcony, and visiting the hole in the wall, which they always occupy.
2. Dendroica coronata. While trawling in the rain, the clouds suddenly lifted, and the sun shone out bright & a purely April phenomenon - 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 melody 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 uttering its peculiar cry.
 5. *Regulus calendula*. - Has not appeared in any considerable numbers yet.

April 26, 1878.

1. *Turdus pallasi*. - First seen since the day of its first arrival (p. 428), April 15, 1878.
 2. *Sturnus atricapillus*. - First seen. One shot; others heard uttering their usual ^{notes} pounding.
 3. *Sturnus naevius*. - First seen. One shot. Its chirp is much feebler than that of *S. notacilla*, and lacks some of its metallic ring. It skulks under cover, and is very hard to flush.
 4. *Sturnus notacilla*. Numerous; sing.
 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. H. F. M. J. Iris hazel; bill black; horn-color at base of mandible; legs & feet brown. 5.42; 18.60; 2.62; 2.18; bill, .42; tarsus, .81.
1635. *Sphyrapicus varius*, ♀ ad., April 25, 1878. H. F. M. J. Iris hazel; bill blue-black; legs & feet lead-color. 8.80; 15.85; 4.80;

- 3.18. Bill, .94; tarsus, .78.
1636. *Sturnus notacilla*, ♂ ad., April 25, 1878. H. F. M. J. 6.56; 10.77; 3.22; 2.18. Bill, .58; tarsus, .92.
1637. *Sturnus notacilla*, ♂ ad., April 25, 1878. H. F. M. J. 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. *Sturnus naevius*, ♂ ad., April 26, 1878. H. F. M. J. 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. H. F. M. J. Iris 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.
- Geothlypis trichas*. - 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.
- Sturnus notacilla*.
- Sturnus naevius*. - One shot; very difficult to shoot, keeping so close to cover in thick bushes.

Tareo flavifrons. ^{First seen} One shot at Garrison's by Mr. C. Osborn. - Landed 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 twist and were rather shy. Six were 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.

Agelaius phoeniceus. & Molothrus ater.

Corvus americanus. Colaptes auratus

Jayornis fuscescens. Ceryle alcyon

Picus pubescens

Chordeiles virginianus First seen; in flock.

Antrostomus vociferus.

Haliaeetus leucocephalus. - One seen flying over the town, and at different places.

Zenaidura carolinensis.

Anas obscura. - One seen flying over 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.

Troglodytes macularius. - First seen; one shot.

No. 1640. Hirundo horreorum, ♂ ad., April 27, 1878. N. S. 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, ♂ (juv?) April 27, 1878. N. S. M. J. Iris hazel. Bill black. Legs & feet reddish brown. 7.06; 12.90; 4.65; 3.16.
1642. Quercus naevius, ♂ ad., April 27, 1878. N. S. 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. N. S. 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. N. S. M. J. Colors of parts as above (No. 1643). 5.88; 9.40; 2.70; 2.
1645. Dendroica palmarum, ♀ ad., April 27, 1878. N. S. M. J. 5.27; 8.06; 2.37; 2.05. Bill, .41; tarsus, .78.
1646. Setophaga ruticilla, ♂ ad., April 27, 1878. N. S. 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. N. S. 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 pelagica. 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.

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~~ ^{oak} tree (*Quercus ~~sp.~~*), and which contained seven (7) fresh eggs. The nest was composed of moss, lined inside with cottony down and hair, besides the feathers of *Dendroica coronata*.

Regulus calendula. - None were seen

Troglodytes aedon. - Singing about the house.

Thryothorus varius. - Singing everywhere.

Dendroica coronata & *Setophaga ruticilla*.

Hirundo horreorum. The only swallow yet seen

Chrysomitris tristis. - This whole region is

literally deluged with "yellowbirds".

Passerculus savanna. - Numerous on the Consook marshes. 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 sometime. I shot one old male.

No. 1648. *Chrysomitris tristis*, ♂ ad., April 29, 1878. H. S. 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. S. 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. S. 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.

Fringoides macularius & *Ardea virescens*. seen

May 1st, 1878.

Accipiter Cooperi. - Capt. Sawot 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 climbed 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" (*Chistudo virginiana* & *C. blandingi*). 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. ~~Shot~~
Iris hazel. Bill blackish; brown at base of mandible. Legs & feet brown. Cousook. Island Hudson Riv., N. Y.
5.87; 7.73; 2.22; 2.24. Bill, 45; tarsus, 83.

1652. *Melospiza melodia*, ♂ ad., April 30, 1878. ~~Shot~~
Shot from nest containing five eggs. Cousook 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. Cousook Island, Hudson Riv., N. Y. Iris hazel. Bill blackish, with basal third of mandible horn-color. Legs & feet flesh-color. 5.83; 9.20; 2.70; 2.66. Bill, 43; tarsus, 81.

May 2nd, 1878.

Troglodytes aëdon. - Common.

Parus atricapillus. - Several pairs seen; one of these pairs evidently had a nest near by, and uttered notes similar to those whose nest I took April 30th.

Mniotilta varia. - Very numerous, and widely distributed; singing everywhere.

Parula americana

Dendroica coronata. - Numerous.

Sivus motacilla. - Its song the clearest and sweetest heard; not very common.

Sivus 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; arose heavily from the water; soon mounted well up in the air, with legs sticking 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 hang really alight long before it really settled, which singular

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 saw 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. 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. N.Y. Iris yellow. Bill black; flesh-color at

- base of mandible. Legs & feet grayish flesh-color (1.34)
11.85; 13.25; 4.05; 5.20. Bill from nostril, .87; tarsus, .81.
1657. Ceryle cristatus, ♀ ad., April 30, 1878. H. 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. 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. N.Y.
Iris hazel. Bill & feet black
7.90; 13.65; 4.25; 3.
1660. Troglodytes aedon, ♀ ad. May 2, 1878. H. N.Y.
Iris hazel. Bill with basal half of mandible flesh-color, remainder 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.

- Dendroica pennsylvanica. - First seen; very numerous; singing.
- Sturnus auricapillus. - Excessively abundant.
- Sturnus naevius & S. notacilla.
- Pyrranga rubra - First seen.
- Turdus flavifrons. - Singing.
- Icterus baltimore; first seen; abundant.
- Mniotilta cristata. - First seen.
- Tyrannus carolinensis. { Tayouan 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*,
Selmatodytes palustris. - First seen; one shot.
Mniotilta varia, *Parula americana*
Dendroica caerulescens. - First seen; one shot.
Dendroica coronata, *D. pennsylvanica*,
Sinus auricapillus, *S. naevius*; several seen;
 one shot. *Sinus 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.
Myiodiodes nitratus; First seen; two
 males were shot; singing; utter a sharp,
 metallic chirp, audible at considerable dist-
 ances. *Setophaga ruticilla*; females now abundant.
Cyanca rubra, *Herundo horreorum*,
Empidonax cedrorum. *Vireo flavifrons*,
Vireo noveboracensis - first seen.
Vireo olivaceus. - first seen.
Carpodacus purpureus, *Chrysomitris tristis*,
Porcetes gramineus, *Casserculus saranna*,
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, *Agelaius phoeniceus*,
Icterus baltimore, *Corvus americanus*,
Cyanurus cristatus, *Myiarchus crinitus*,
Tyrannus carolinensis, *Sayornis fuscus*,
Ampidonax minimus, *Chattura pelagica*,
Ceryle alcyon, *Anthus vociferus*,
Troglodytes aëdon. First seen.
Coccyzus erythrophthalmus. First seen.
Picus pubescens; Nesting
Colaptes auratus

Tringoides macularius - Flock of half dozen
 individuals together, at Consook Island.
Ardea herodias. Linné. Consook Marsh.

Fifty-five species were noted today.

- No. 1662. *Myiodiodes nitratus*, ♂ ad. May 4, 1878. H. J. May
 Iris hazel. Bill black. Legs & feet grayish flesh-color.
1663. *Myiodiodes nitratus*, ♂ juv. May 4, 1878. H. J. May
 Iris hazel. Bill black. Legs & feet nearly white.
 5.67; 8.38; 2.55; 2.28. Tarsus, .76.
1664. *Selmatodytes 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. *Tringoides 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. *Porcetes gramineus*, ♂ ad. May 3, 1878. Garrisone,
 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 mud, 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. J. May
 Iris hazel. Bill & feet black.

No. 1669. *Molothrus ater*, ♀ ad. May 4, 1878. N.S.M.Y.

Contained an egg.

1670. *Icterus baltimore*, ♂ ad., May 4, 1878. N.S.M.Y.

1671. *Turdus mustelinus*, ♂ ad. May 4, 1878. N.S.M.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. Garrison's

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.S.M.Y.

5.40; 8.53; 2.68; 2.05.

1674. *Coccyzus americanus*, ♀ ad. May 6, 1878.

N.S.M.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, 102.

May 6, 1878.

Chordeiles virginianus & *Antrostomus vociferus*.

Accipiter fuscus. One 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 caerulea - Not yet numerous.

Dendroica coronata - Has not been common.

Larus motacilla. - One that I shot contained an egg nearly ready for extrusion.

Geothlypis trichas. - Not common on the high ground.

Icteria virens. - First seen

Myiodiastes vitreatus. - 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 soon recommence their song, but stop short at the first, second, third, etc. note, (as the case may be) when again interrupted, and then utter a sharp metallic chirp; 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 its song with *Dendroica pennsylvanica*.

Pyranga rubra & *Ampelis cedrorum*.

Vireo olivaceus. - Singing

Chrysomitris tristis. - Sings a very sweet song.

Cyanospiza cyanea. - Numerous; singing.

Cyanurus cristatus, *Corvus americanus*.

Empidonax minimus, *Antrostomus vociferus*.

Coccyzus americanus

Coccyzus erythrophthalmus

Ardea virescens & *Tringoides macularius*.

No. 1675. *Coccyzus americanus*, ♀ ad., May 6, 1878. N.S.M.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; 17.85; (17.35); 5.80; 6.25.

Bill from nostril, 73; tarsus, 99.

1676. *Coccyzus americanus*, ♀ ad., May 6, 1878.

N.S.M.Y. Colors of parts the same as above

12; 16.75; 5.65; 5.85.

Bill from nostril; 74; tarsus, 100.

Sturnus motacilla, ♀ ad. May 7, 1878. N. S. 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 olivaceus*, ♂ ad. May 7, 1878. N. S. 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. N. S. N.Y.
Iris hazel. Bill & feet blackish.
5.38; 7.90; 2.47; 2.27.

1680. *Myiodioetes nitratus*, ♂ ad. May 7, 1878. N. S. N.Y.
Iris hazel. Bill blackish. Legs & feet flesh-color.
5.75; 8.47; 2.53; 2.30.

1681. *Myiodioetes nitratus*, ♂ ad. May 7, 1878. N. S. 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. *Myiodioetes nitratus*, ♂ ad. May 7, 1878. N. S. N.Y.
Iris hazel. Bill black. Legs and feet flesh-color, slightly
brownish on feet. 5.64; 8.40; 2.67; 2.30.

1683. *Myiodioetes nitratus*, ♀ ad. May 7, 1878. N. S. 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. N. S. N.Y.
Iris hazel. Bill blue-black. Legs & feet lead-color.
8.62; 15.70; 4.88; 3.10.

Dendroica blackburniae, First seen (May 7, 1878).

May 8, 1878

Turdus fuscescens. - First seen. One
observed on the side of a tree, where it
remained for some time.

Sialia sialis. - Found one set of four
eggs & another of two.

Temnodictus palustris

Dendroica coronata. - Singing quite prettily

Dendroica blackburniae maculosa First seen,
Myiodioetes nitratus, *Pyrauga rubra*,
Tringoides macularius. - Eight or ten together
at Cousack marsh.
Sphyrapicus varius. - One seen.

May 9, 1878.

Turdus fuscescens

Mniotilta varia, *Parula americana*,

Dendroica aestiva. - First seen.

Dendroica virens. - First seen.

Myiodioetes nitratus. - Quite numerous.

Vireo gilvus. - First seen.

Vireo flavifrons. - Quite abundant; singing.

Cyanospiza cyanea. - Musical

Lanius ludovicianus. - First seen (♂ & ♀).

Myiarchus crinitus. - Several seen.

Sialia sialis. - Four eggs of second brood laid
in the pear tree.

May 10, 1878

Turdus swainsoni, First seen.

Myiodioetes canadensis. - First seen

Contopus passerinus. - Several seen at
Croft House, Garrison, 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.

Will Osborn shot a *Dendroica virens* on the 4th.
Dendroica striata First seen May 9th; two shot.

Helminthophaga chrysoptera, ♂ ad. May 10, 1878,
Garrison, 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

Contorniculus passerinus, ♂ ad. May 10, 1878. "Crest House" Garrison, N.J. Iris hazel. Bill with base of culmen horn-color; remainder 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.

Goniophya ludoviciana ♂ 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*, *Mimus carolinensis*, *Harporhynchus rufus*, *Sialia sialis*, *Parus atricapillus*, *Troglodytes aedon*, *Mniotilta 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.

Dendroica caerulescens, *maculosa*, *virens* & *striata*
Perisoreus tigrina. First seen. Will shoot an adult ♂.

Sciurus notacilla. Numerous; breeding.

Sciurus aricapillus. Very numerous.

Geothlypis trichas

Icteria virens. - Very numerous. - First seen May 7th.

Myiodiectes mitratus, specimens shot in Putnam Co.

Stoerhage ruticilla, *Pyranga rubra*, *Ahirundo horreorum*

Petrochelidon lunifrons. Numerous; first seen the 9th.

Tachycineta bicolor. Flights passing North.

Vireo olivaceus, *gilvus*, *flavifrons* & *mosaicus*.

Carpodacus purpureus, *Chrysomitris tristis*,

Melospiza melodia, *Spizella pusilla* & *socialis*.

Zonotrichia albicollis, *Passer domesticus*, *Cyanospiza*

cyanea, *Pipilo erythrophthalmus*, *Molothrus ater*

Agelaius phoeniceus, *Corvus americanus*, *Cyanus*

cristatus, *Tyrannus carolinensis*, *Myiarchus crinitus*

Sayornis fusca, *Picus pubescens*, *Colaptes auratus*

Accipiter fuscus, *Ceryle alcyon*, *Coccyzus erythrophthalmus*

americanus, *Antrostomus vociferus*,

Chaetura pelagica, *Haliaeetus 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,

Garrison, Putnam Co, N.J. 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.

Garrison, Putnam Co, N.J. Shot in the big swamp.

1688. *Myiodiectes mitratus*, ♂ ad. May 10, 1878. H. S. N. J.

1689. *Myiodiectes mitratus*, ♂ ad., May 10, 1878. H. S. N. J.

1690. *Icterus baltimore*, ♂ ad., May 10, 1878. H. S. N. J.

1691. *Vireo flavifrons*, ♂ ad., May 10, 1878. H. S. N. J.

May 12, 1878.

Helmitherus vermivorus - Several were seen.

Sciurus notacilla. Numbers of pairs are breeding.

Icterus spurius. - First seen

Dolichonyx oryzivorus First seen May 5th W. O.

No. 1692. *Dendroica virens*, ♂ ad. May 10, 1878. H. S. N. J.

1693. *Turdus mustelinus*, ♂ ad. May 10, 1878. H. S. N. J.

1694. *Turdus swainsoni*, ♂ ad. May 10, 1878. H. S. N. J.

1695. *Turdus mustelinus*, ♂ ad. May 10, 1878. H. S. N. J.

1696. *Pyranga rubra*, ♂ ad. May 10, 1878. H. S. N. J.

1697. *Sciurus notacilla*, ♂ ad. May 11, 1878. Garrison Putnam Co, N. J. "Clat rocks"

- No. 1698. *Pyrranga rubra*, ♂ ad. May 10, 1878. H. S. N. Y.
 1699. *Icterus Baltimore*. ♂ juvenis, May 10, 1878. H. S. N. Y.
 1700. *Agelaius phoeniceus*, ♂ juvenis, May 11, 1878,
 Garrison, Putnam Co., N. Y.

May 13th, 1878.

- Turdus swainsoni*. - Numerous
Parus atricapillus. - feeding their young.
Helminthophila vermivora. - utters a single whirring note.
Myiodiastes nigratus. - Very common.
Myiodiastes canadensis. - several seen.
Petrochelidon lunifrons, *Tachycineta bicolor* &
Asio flammeus. - About Salt Pond.
Pipilo solitarius. - First seen.
Cathartes aura
Accipiter fuscus. - One male seen.

I think I saw a male of *Geothlypis Philadelphia* (?)

- No. 1701. *Agelaius phoeniceus*, ♂ ad. May 11, 1878.
 Garrison, 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 *Cicindela pubescens*. She
 must have been gnawed through its small
 entrance by the paw 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.
Zonotrichia palustris & *Troglodytes aedon*.
Mniotilta varia. Frequents thick swamps;
 uttering a harsh note.
Parula americana
Helminthophila vermivora - Quite common.

Dendroica coronata canuliceps, *viridis*,
pennsylvanica & *maculosa*, *Lurus aurocap-*
illus. *Lurus notacilla*. 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
Icterus virens. One shot. Quite common.

Myiodiastes nigratus & *M. canadensis* - common.

Melospiza palustris. Found in the marsh.

Mimus 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 eggs from nest.

On the 11th. we found several pairs of
Zenaidura macroura 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. *Myiodiastes nigratus*, ♂ 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. *Myiodiodes nitratu*s, ♀ ad. May 15, 1878. H. S. May
 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. S. May
 Iris hazel. Bill black. Legs & feet brown.
 5.27; 8.16; 2.52; 2.1
 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. S. May
 Iris hazel. Bill with maxilla black; mandible
 yellow. Legs & feet blackish.
 7.37; 12.88;

May 16, 1878

Turdus swainsoni.
Parus atricapillus; *Troglodytes aëdon*.
Mniotilta varia.
Parula americana. - Numerous; utters a
 loud insect-like trilling note.
Helminthos 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 often
 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 ^{reminiscently} fond of curling 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.
Larus motacilla. - Settled to the breeding haunts.
Geothlypis trichas.
*Myiodiodes nitratu*s. - Females now common.
Setophaga ruticilla. - I have noticed all of
 the males, but have seen no approach to
 the high plumage of my specimen - No. 1004.
Icteria virens. - Now abundant.
Troglodytes aëdon. - 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 & *erythrorhynchus*
herzli alyon, etc.

May 18, 1878.

Turdus migratorius.
Turdus mustelinus. - Eggs laid.
Mimus carolinensis. - Settled & nesting.
Herporhynchus rufus. -
Sialia sialis. -
Troglodytes aëdon.
Telmatoctes palustris
Mniotilta varia
Parula americana
Helminthophaga chrysoptera. We heard
 the Blue Golden-winged Warbler, at two
 widely separated places in Putnam County.
Dendroica aestiva. - Quite common in
 Putnam County; probably much
 more numerous on that side of the river

- Dendroica virens*. - Utters its peculiar song.
Dendroica caerulescens. -
Dendroica pennsylvanica. - Singing
Sturnus aurocapillus. - Common & vocal.
Sturnus notacilla. - Numerous; breeding.
Geothlypis trichas.
Icteria virens. - Very numerous.
Setophaga ^{ruticilla} 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 "Crest House" I started one from the grass, on a sandy hill-top, when it flew to a bush near 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 male bird rose close to me & alighted 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
Agelaius 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 balteatus. - Nests completed.
Tyrus americanus. -
Tyrannus carolinensis. -
Myiarchus cinerascens. - Frequently heard. Very numerous in the Herony on Constitution Island.
Jayornis fusca. -
Euphonia virens
Ceryle alcyon. -
Colinus colubris. -
Chordeiles virginianus. -
Autrostronax vociferus. -
Chaetura pelagica
Coccyzus americanus. - Female shot.
Coccyzus erythrophthalmus. -
Picus pubescens. -
Colaptes auratus. -
Halieetus leucoccephalus. - "One flew from Fouries Cove to the summit of Cro West, when it suddenly dropped down upon the ledge; see Miss Anna Warner.
Ardea virescens. - Seen in the Herony on Constitution Island, where they were breeding
Melanerpes formicivorus. - Quite a number of pairs have nested in the Herony. 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 Mont-gomery, 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. N. Y., N.Y.
Parent of set $\frac{c}{3}$, with nest.
Iris reddish hazel. Bill blue-black. Legs & feet lead-color.
1711. *Tiro flavifrons*, ♂ ad. May 16, 1878. N. Y., N.Y.
Iris hazel. Bill with edge of maxilla & all of mandible but tip, blue; remainder blue-black. Legs & feet bluish lead-color. 5.75; 9.80; 2.94; 2.
1712. *Dendroica virens*, ♂ ad. May 15, 1878. N. Y., N.Y.
1713. *Cyanospiza cyanea*, ♂ ad. May 16, 1878. N. Y., N.Y.
1714. *Cyanospiza cyanea*, ♂ juvenis, May 16, 1878. N. Y., N.Y.
1715. *Coturniculus passerinus*, ♀ ad. May 18, 1878. "Croft House", Garrison, 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; remainder 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. remainder 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. *Dendroica 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. *Dendroica aestiva*, ♂ ad. May 18, 1878. Garrison, Putnam Co., N.Y. Colors of parts the same as above. 5.10; 7.80; 2.34; 1.80.

- No. 1719. *Nyctiardea nivata*, ♀ 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 & end of 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. Garrison, Putnam Co., N.Y. Iris hazel. Bill with maxilla black; sides of maxilla and mandible, legs & feet, half blue.
7.65; 11.85; 3.50; 2.90; Bill, .73; tarsus, .93.

May 20,

- Contopus virens*. - First seen; one shot.
- Chaetura pelagica*. - 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. *Jurcus mustelinus*, ♂ ad. May 15, 1878. N. Y., N.Y.
1723. *Contopus virens*, ♂ ad. May 20, 1878. N. Y., N.Y.
Iris hazel. Bill with maxilla black; mandible yellow. Legs & feet, black.
5.60; 10.95; 3.45; 2.70.
1724. *Arundo horreorum*, ♂ ad. May 20, 1878. N. Y., N.Y.
Iris hazel. 7.35; 12.80; 4.58; 3.60.
1725. *Arundo horreorum*, ♂ ad. May 20, 1878. N. Y., N.Y.
1726. *Arundo horreorum*, ♂ ad. May 20, 1878. N. Y., N.Y.
1727. *Pyrranga rubra*, ♂ ad. May 21, 1878. N. Y., N.Y.
Iris hazel. Bill olive; legs and feet,

head-color. (Bill, .63; tarsus, .80.

7.40; 12.25; 3.87; 2.70. Bill from nostril,

No. 1728. Myiarchus crinitus, ♂ ad. May 21, 1878. H.S.M.
Bill glossy brownish black, shading lighter
at base of mandible. Iris hazel. Feet 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. H.S.M.
Iris hazel. Bill blue-black. Legs & feet dark
bluish. 7.50; 10; 2.95; 3.

(Bill from nostril, .44; Tarsus, 1.04.

1730. Myiodiodes nigratus, ♀ ad. May 21, 1878.

H.S.M. Iris hazel. Bill bluish. Legs & feet flesh-color.
5.75; 8.10; 2.48; 2.30.

1731. Myiodiodes nigratus, ♂ ad. May 21, 1878.

H.S.M. Iris hazel. Bill black.

Legs & feet, flesh-color.

6; 8.75; 2.70; 2.45.

May 22, 1878.

List of Birds Seen at H.S.M.

Turdus migratorius.

Turdus mustelinus. - Full complement of
eggs laid in several instances

Turdus swainsoni. - Scarce

Mimus carolinensis. - Sitting.

Asporhyuchus rufus. - do

Sialia sialis. - Incubating second brood.

Troglodytes aedon. -

Telmatodytes palustris. - Shot a bird

in the Conestock marsh that was in very
worn plumage, and covered with dried
mud. It was singing vigorously, and
was the only one seen.

Mniotilta varia. -

Parula americana. -

Helminthospermum vermivorus. -

Dendroica virens. -

Dendroica Hackburniae - First seen May
7th. Not again seen till today, when
they were numerous and singing.

Dendroica castanea - First seen; singing
its somewhat peculiar notes

Dendroica pennsylvanica. - Building.

Sturnus aurocapillus, Laying.

Sturnus notacilla. 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
aided its concealment. The nest con-
tained six (6) eggs - quite a large
number for such a bird.

Icteria virens -

Geothlypis trichas. - Found a nest in
the flags of the Conestock marsh, which
contained two eggs.

Myiodiodes nigratus. - Numerous. One
that I shot yesterday, showed, on dissec-

tion that it had already laid one (or more) egg.

Setophaga ruticilla. - Building

Pyrranga rubra. - Singing

Merula torquax. -

Tachycineta bicolor. Numerous small bands have been seen. One shot on the Consook marsh.

Petrochelidon lunifrons. -

Vireo olivaceus. -

Corpodacus purpureus. -

Chrysomitris tristis. -

Melospiza melodia. -

Spizella socialis. - Breeding

Spizella pusilla. - do

Carpodacus cyaneus

Passer domesticus. -

Molothrus ater. -

Agelaius phoeniceus. -

Icterus baltimore

Icterus spurius. -

Corvus americanus. -

Myiarchus cinerascens. - Numerous

Tyrannus carolinensis. -

Contopus virens. -

Contopus borealis. - Sets very erect on the dead top of a tree; erecting its crest; rather shy.

Empidonax minimus. - Its spasmodic, syllable notes resemble the sobbing of a child & the accompanying effort of the thorax is the same.

Empidonax flaviventris. - First seen

that the only yellow-bellied Flycatcher

I have seen this year

Ceryle alcyon. - Nest under the piazza contains one egg.

Antrostomus vociferans. -

Trochilus colubris. - Numerous.

Chaetura pelagica. -

Coccyzus americanus. - Numerous

Coccyzus erythrophthalmus. - do.

Picus pubescens. -

Colaptes auratus. -

Bonasa umbellus. - Drumming

Fringoides macularius. -

Ardea virescens. - Found nest hanging in a festoon of grape-vine, that spanned a small pool in a swamp by the Hudson River. Female flew off as I approached. Took five fresh eggs which contained large embryos.

May 23.

Turdus aliciae. - First seen.

Troglodytes aedon. - Building.

Dendroica blackburniae. - Common; sings a lively little song.

Lanius notaeilla. - 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.

Myiodynastes canadensis. - Not seen lately.

Tachycineta bicolor. - Numerous; seen flying late in the evening.

Vireo flavifrons. - Numerous.

Melospiza melodia. - Young flying about.

Zonotrichia leucophrys. - One male seen.

Icterus spurius. - Common.

Contopus borealis. - Still present.

Empidonax minimus. - Only one of the genus seen.

Fringoides macularius. - Probably nesting in the "upper pond".

- No. 1732. *Turdus migratorius*, ♀ ad. Shot from nest. May 21, 1878. H.S.M. 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.M. 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. *Helminthosus vermivorus*, ♀ ad. May 22, 1878. H.S.M. 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. *Tachycineta bicolor*, ♂ ad. May 22, 1878. H.S.M.
1736. *Selmatodytes palustris*, ♂ ad. May 22, 1878. H.S.M.
1737. *Dendroica castanea*, ♂ ad. May 22, 1878. H.S.M. Iris hazel. Bill & feet blackish. 5.85; 9.30; 2.94; 2.15.
1738. *Dendroica blackburniae*, ♂ ad. May 22, 1878. H.S.M. 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. ~~*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 pelagica*, ♀ ad. May 23, 1878. H.S.M. Iris hazel; bill black. Legs & feet purplish. 5.35; 12.37; 4.78; 1.75.
1742. *Icterus spurius*, ♂ juv. May 23, 1878. H.S.M. Iris brown. Bill with maxilla & tip of mandible, blue-black; remainder 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.
- Larus naevius*. - Seen today at "Echo Lake" & one shot in same place yesterday.
- Vireo olivaceus*. - Yesterday I found a newly completed nest.
- Larus notabilis*, The two nests found measure respectively, 1.25 x 2.95 & 1.40 x 2.70. (inside measurements.)
- Megascops crinitus*. - Quite numerous.
- Buteo pennsylvanicus*

May 25, 1878.

List of Birds Seen

- Turdus migratorius*
- Turdus mustelinus*. - Breeding.
- Turdus atliciae*. - Several seen at Long Pond.
- Mimus carolinensis*. - Breeding.
- Harporhynchus rufus*. - Found a nest containing three young & two eggs - 5 in all.
- Sialia sialis*
- Parus atricapillus*. - Noth young.
- Troglodytes aidon*. - Nesting.
- Mniotilta varia*. - Caborn shot a female containing an egg.
- Helminthophaga chrysoptera*. - Several were seen. W. Caborn shot a most

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.

- Dendroica aestiva*. - One seen
Dendroica virens.
Dendroica blackburniae. - Numerous
Dendroica castanea - do
Dendroica striata do
Dendroica maculosa. - Several seen.
Dendroica pennsylvanica. -
Lanius auricapillus. - Very numerous everywhere; breeding.
Lanius notacilla. - Several pairs seen along the brooks.
Geothlypis trichas. - Very numerous
Pitua virens. - do
Myiodioetes nitratu
Myiodioetes canadensis. Quite common
Setophaga ruticilla. - Nesting.
Pyranga rubra.
Arundo horreorum. - Nesting.
Tachycineta bicolor. -
Petrochelidon lunifrons. -
Ampelis cedrorum. -
Tiro olivaceus. -
Tiro noveboracensis. -
Tiro flavifrons. -
Carpodacus purpureus. -
Chrysomitris tristis. -
Melospiza melodia. - fledged young.
Spizella socialis. -
 pusilla. -
Cyanospiza cyanea. -
Sonipha ludoviciana. -
Dolichonyx oryzivorus
Molothrus ater

Agelaius phoeniceus. - Found a nest containing four fresh eggs, at Long Pond.

- Cyanurus cristatus*. -
Corvus americanus. -
Myiarchus cinerascens
Tyrannus carolinensis
Contopus virens
Contopus borealis. - Several seen
Lanius fuscus. Found nest fully-moved in field - 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 are flew out as we approached their nest, and were invisible when we emerged from beneath the bridge. The overhauled nest of, with so many pairs of bright eyes was a very amusing sight.
Empidonax trattii. - First seen.
Empidonax minimus. -
Aurostomus vociferans
Chordeiles virginianus. - For several days seen flying about at all times of day, in the most glaring sun. Uttering its harsh note.
Ceryle alcyon
Chaetura pelagica
Coccyzus colubris. Very common
Coccyzus americanus
Coccyzus erythrophthalmus
Picus pubescens
Colaptes auratus
Puteo pennsylvanicus. - One seen
Tringoides macularius
Ardea herodias. - One pair breeding about Long Pond.

No. 1745. Turdus olivaceus, ♂ ad. May 25, 1878. West Point, N.Y. Iris red. Bill with maxilla blue-black; mandible horn-color at base; remainder light lead-color. Legs & 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 base of commissure & base of mandible, horn-color; remainder of bill black. Legs & 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. Agelaius phoeniceus, ♂ ad. May 25, 1878. Long Pond, Orange Co., N.Y. Iris hazel. Bill & feet black.
9.30; 15; 4.60; 3.55.

1749. Agelaius 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, 116.)

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.

Salmatodactylus 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 begun to build on this place.

Melospiza palustris. - One seen on Consook marsh.

Nycticorax nycticorax

Thryothorus macularius. -

Stras obscura. - One flew out of the grass

at the head of the Consook creek.

Received today a Comorant's sternum from Wm. Osborn. Do not know where it was captured.

Notes

Turdus fuscus. - 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.

Helminthos vermivorus. - Has been comparatively scarce.

Dendroica virens. - A pair are probably nesting among the cedars on Mr. Sartwell's place.

Dendroica caerulescens. - Has not been very common.

Dendroica maculosa. - do

Nycticorax nycticorax. - Has been very numerous. Its range probably extends much farther northward, along the Hudson River.

Cotyle riparia. - Has not been seen.

Progne subis. - do

Turdus solitarius. - ~~Only~~ ^{only} has been seen once.

Agelaius phoeniceus. - A pair are nesting (three eggs today) in the little marsh north of "Echo Lake".

Centurus borealis. - Has not been scarce.

Coccyzus erythrophthalmus. - Found nest today which contained two (2) young - quite large, which were covered with curious pin-feathers, resembling the wire swat 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

then 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 tending low on the branch.

No. 1750. Agelaius phoeniceus, ♀ ad. May 28, 1878.

H. S. N. Y. Parent of set 3 with nest.

Iris hazel. Bill & feet black.

8.12; 12.85; 3.85; 2.90. Bill, 73; tarsus, 1.02.

1751. Mimus carolinensis, ♂ ad. Parent of set 4.

May 28, 1878. Consook 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. Pyrranga rubra, ♂ ad. May 28, 1878. H. S. N. Y.

Iris hazel. Bill olive. Legs & feet dark lead color.

7.30; 11.85; 3.68; 2.70. Bill, 63; tarsus, 75.

1753. Turdus aliciae, ♀ ad. May 28, 1878. H. S. N. Y.

7.55; 12.90; 4.02; 3.

1754. Hirundo horreorum, ♀ ad. May 10, 1878. H. S. N. Y.

1755. Hirundo horreorum, ♀ ad. May 10, 1878. H. S. N. Y.

1756. Dendroica pennsylvanica, ♂ ad. May 3rd, 1878. H. S. N. Y.

1757. Coccyzus erythrophthalmus, ♂ pullus. May 27,

1878. Consook Marsh (swamp) N. S. N. Y.

1758. Pyrranga rubra, ♂ ad. May 27, 1878. H. S. N. Y.

1759. Turdus migratorius, pullus. June 12, 1878

Highland Falls, Orange Co. N. Y.

1760. Icterus baltimore, pullus, June 12, 1878. H. S. N. Y.

1761. Ampelis cedrorum, ♀ ad. June 12, 1878. H. S. 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 Myiodiopsis mitratus with 3 fresh eggs.

Sclerodactylus palustris. Found a nest

in the Consook 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.

Colaptes auratus. - Young flying about.

1762. Myiodiopsis mitratus, ♀ ad. June 15th., 1878.

Shot on nest containing three fresh eggs.

Iris hazel. Bill black; brown at base of mandible. 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.

Goniophtha 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. Minotilta varia, ♀ ad. July 6, 1878. H. S. N. Y.

No. 1766, Myiodiectes mitratus, pullus. July 8, 1878.
Highland Falls, N. Y. In company
with both parents.

1767. Myiodiectes mitratus, pullus. July 8, 1878.
Highland Falls, N. Y. In company
with both parents.

July 11, 1878.

This evening on entering the "Four-
-erment's Cove", north of Garrison,
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 low nest. Being
in the midst of his moult he was
in very bad plumage, lacking
many feathers of both wing and tail.

Zenaidura carolinensis

Saw flock of 12-15 individuals
arise before a train, just above
the Garrison tunnel.

No. 1768 Sayornis fuscus, ♀ ad. May 3rd, 1878.
Shot as she flew from ^{nest} 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 (3?) Garrison, N. Y.
July 16, 1878. No. 14." Wm. C. Ostorn.
Mr. Ostorn kindly brought the above
specimen (a bird of the first year, having
breast & sides strongly streaked) for my
examination, thinking it might be
Coturniculus hudsoni.

July 20, 1878.

Visited Consook marsh in company
with Ostorn. 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. Consti-
-tution Island, Hudson River, N. Y.
Iris reddish hazel. Bill blue-black. Tarsus
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 Wren (*Troglodytes aëdon*) left the hole in the piazza wall about August 15th; they being the third brood.

September
~~August~~ 7th, 1878.

Coryphæa calouia. - 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 aliceæ do
Harporthynchus rufus
Mimus carolinensis
Sialia socialis
Parus atricapillus
Sitta carolinensis. Very common.
Troglodytes aëdon
Helminthophila palustris.
Mniotilta varia
Parula americana
Dendroica virens
Dendroica caerulescens. First seen
Spinus pinus
Geothlypis trichas
Setophaga ruticilla

Pyrranga rubra
Ampelis cedrorum
Vireo olivaceus
Carpodacus purpureus
Chrysomitris tristis
Melospiza melodia
Melospiza palustris
Spizella socialis
Spizella pusilla
Zonotrichia albicollis. First seen.
Passer domesticus.
Pipilo erythrophthalmus
Corvus americanus
Ceryle alcyon
Cyanus cristatus
Sayornis fusca
Cathartes aura
Antrostomus vociferus. Singing
Chaetura pelagica. - Numbers of them have roosted nightly in our chimney. (and thereby hang a tale) 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 Munt I have of this fall. Warblers seem numerous in the tree-tops.

No. 1773. *Ardea herodias*, ♀ juv. Sept 23, 1878.
Common 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, black. ^{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. S. N. Y. Iris hazel. Bill black.
Tarsus & feet brown. 5.38; 8.25.

1776. Parula americana ♀ Sept. 23, 1878.
N. S. N. Y. 4.80; 7.65.

1777. Chaetura pelagica # Sept. 23, 1878.
N. S. N. Y. 5.38; 12.30.

Sept. 28th, 1878.

Regulus satrapa, first seen today.

Chaetura pelagica. - Still here.

No. 1778. Ammodramus aliciae ♂ Sept. 28, 1878. N. S. N. Y.
7.55 X 12.65.

1779. Turdus swainsoni, ♂ September 28, 1878.
N. S. N. Y. 7.40 X 11.85.

1780. Aphyrornis carolinensis ♀ juv. No indication
of any red feathers on throat or crown.
8.30 X 15.75 Sept. 28, 1878. N. S. N. Y.

Sept. 30, 1878

Turdus mustelinus still here.

Chaetura pelagica. - Last seen on the
28th. Left last year on the 30th.

Oct. 6th, 1878.

Sitta canadensis, One shot.

Oct. 7th, 1878.

Harporhynchus rufus. One seen.

No. 1781. Podiceps griseigena holbolli ♂ Oct. 4, 1878.
Hudson River at Cornwall. Iris pale yellow.
Bill yellow, with ridge, black. Tarsus & feet
with dorsal aspect blackish; ventral
surface, greenish yellow.

20.75; 34.90; 7.33. Length to end of tail, 26.63.
Bill (measured from frontal feathers), 1.95;
from anterior edge of nostril, 1.35;
gape, 2.54. Occiput from frontal
feathers, 2.18. Tarsus (to base of toe
where it wrinkles), 2.62. Middle toe
from wrinkle to end of nail, 3.00.

1782. Podiceps griseigena holbolli ♂. Oct. 7, 1878.
Hudson River at Cornwall. Iris yellow. Bill
yellowish, with base & ridge of maxilla,
blackish. Tarsus & feet, greenish yellow;
edges of webs black.

22.35; 34.25; 7.30. Bill 2.11. Tarsus, 2.60.

1783. Aix sponsa ♀ ad. Oct. 7, 1878. Hudson River
at Cornwall. (18.10 X 28.75. E.P.B.)

1784. Turdus pallasi, ♂ October 18, 1878. Sing Sing, N. Y.
Iris hazel. 7.73; 11.90; 3.62; 2.85.

1785. Zonotrichia albicollis, ♀ ad. Oct. 18, 1878.
Sing Sing, N. Y. 6.90 X 9.40.

1786. Dendroica coronata, #? Oct. 18, 1878.
Sing Sing, 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 he 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 Harrison's, 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 Inner Cove.

Parus hudsonius ♂ August 7, 1875.
St. Regis Lake, N. Y. No. 577.
Theodore Roosevelt.

Chrysomitris pinus, ♂ Oct. 17, 1874.
Harrison's, Putnam County, N. Y.
Frederic S. Osborn.

The following dates are extracted from Frederic S. Osborn's journal:

- Troglodytes leucoptera ♂ & ♀ Harrison's, Jan 24, 1875
- Pinicola enucleator ♂ & ♀ " do "
- Shot 2. Sayornis fusca ♀: on March 28, 1874
- Spizella socialis. April 2, 1874 "

- Philohela minor April 3, 1874. - Harrison's
- Pooecetes gramineus April 18, 1874. - "
- Molothrus ater do - "
- Sphyrapicus varius do - "
- Ceryle alcyon Oct. 24, 1874. - "
- 4 Pinicola enucleator Dec. 12, 1874 - "
- Both Tornia Dec. 28, 1874 - "

Parus atricapillus, Oct. 19, 1878. Saw some Chickadees on the telegraph wires away down Broadway, & we sometimes see Certhia familiaris about.

Ammodramus caudescens. Wm. C. Osborn shot a fine male specimen on the Cousook marshes, on October 12th, 1878.

No. 1787. Spizella monticola ♂ Oct. 26, 1878. Cousook Island, Hudson River, N. Y. Iris hazel.
6.47; 9.25; 2.78; 2.70.

1788. Sitta carolinensis, ♂ ad Oct. 26, 1878. N. Y. Iris hazel. 6.12; 11.05; 3.40; 1.82.

1789. Sitta carolinensis, ♀ Oct 26, 1878 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 Conook Marsh.
Spizella monticola. - The first seen.
Junco hyemalis. - Very numerous; ^{trill} ^{trill}
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.

Myiodiastes mitratus. - I have noted its presence
 on September 5th., and 8th., 1874.

Nycticorax nycticorax. - "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 ad-
 vanced, 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 or 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 ^{for} three which I examined five eggs
 were found. The lesser numbers were
 probably the result 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 Herony 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 Conook 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 ascended & examined the contents of several nests, most of which were deserted or 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 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.

Spizilla 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 decomposition, 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.

Sternus 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.

Fringoides 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 Louis flying a little ~~red~~ red balloon in the field, when two hummingbirds ~~flashed~~ dashed at it with the greatest fury.

Ardea herodias. Aug 26, 1873. Saw several Great Blue Herons on a mud-flat, between Garrison's & 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.

Nycticorax nycticorax. Aug. 26, 1873. Visited the heronry, but the herons had all decamped.

Accipiter fuscus. Sep. 1st, 1873. My attention was called to a small Hawk in the street, opposite the post office. I started in pursuit, 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 or stoicism. He is now sitting before me, watching my slightest movement.

Cyanospiza cyanea. August —, 1873. Today the Indigo Birds filled the "cat-tail" reeds in vast flocks, in ^{various} all stages of adult and young plumages.

Regulus satrapa. Nov. 2, 1873. Of all the large numbers 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. Wounded 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 Cousack 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 pallasi, 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 Agelaius 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, 1873 do 3 "

Corvus americanus. May 24, 1873 do 4 "

Icteria virens. June 1, 1873 Found nest with 4 eggs

do June 3, 1873 do.

Note.

Turdus thiaë. December 20, 1873.

Saw a Pine Grosbeak (Pinicola enucleator) and a Lesser Redpoll (Aegithus 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. *Pediocetes phasianellus* (L.) Ell., Sharp-tailed Grouse, Fulton Market, New York City, ♀ ad., February 1, 1879. 17.75 X 27.25.

1821. *Pediocetes phasianellus* (L.) Ell. Sharp-tailed Grouse, ♀ ad., Fulton Market, N.Y. City, February 1, 1879.

1822. *Ernophila alpestris* ♂ 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.

Aegithus linaria. The Lesser Redpolls were numerous in a weedy field 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 (geop), 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 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*

1792 *Geinatura 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.

1793 *Picus pubescens* ♀ ad November 17, 1878.

Long Spring, N.Y. Iris hazel.

3. 6.65; 11.90; 3.60; 2.35.

1794 *Parus atricapillus* ♂ Nov. 17, 1878. Long Spring,

N.Y. Iris hazel 5.45; 8.25; 2.50; 2.50.

1795 *Parus atricapillus* ♂ Nov. 17, 1878. Long Spring, 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 *Aegithus linaria* in the park same afternoon. *Turdus migratorius*. Several seen.

I saw *Ardea herodias* in market on same day.

Louis Zerga 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 moving 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 & unsuspecting, 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 spot & 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 left near my house, during the same day. They were a young male (♂ juv.) and a female (♀).

On November 30th. the Grosbeaks were still seen about my gardener's house, and Mr. (Jacob) shot a fine young male for me. I also shot a female in the evening. 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 was shot, 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.

Cyanurus 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.

Larus argentatus. Very numerous.

Mergus merganser

Bucephala clangula (americana).

The following species were not observed: -

Larus migratorius. (Fisher took it at Sing Sing)

Anthus troglodytes, var. pygmaeus.

Dendroica coronata

Chrysomitris pinus. Mr. W. C. Osborn took them November 16th., 1878 ♂ & ♀, near Harrison's (north end of tunnel).

Aegialitis livaria 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. First seen by W. C. Osborn, Nov. 9th., 1878.

Notes.

Mr. Wm. Churchill Osborn informed the Linnaean Society that he observed the Snow Bunting (Plectrophanes nivalis) at Harrison's on Nov. 9, 1878.

1795

No. 1795, Pinicola enucleator, ♂ juv. Nov. 30, 1878. N. Y. (shot by Jacob) Iris hazel. Bill & feet bluish; bill horn-color at base of mandible. gape, '65

7.35; 14; 4.40; 3.80. Bill from nostril, '45. Tarsus, '84. Middle toe, '61; its claw, '32. (Sternum prepared.)

1796, Pinicola enucleator ♀, Nov. 30, 1878. N. Y., N. Y.

Colors as above 9.20; 13.75; 4.35; 3.65.

Bill from nostril, '43; gape, '62. Tarsus, '86.

1797, Middle toe, '62; its claw, '40. (Sternum prepared.)

1798, Pinicola enucleator ♂ juv. Nov. 29, 1878. 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.

1798, Middle toe, '63; its claw, '33.

1799, Pinicola enucleator ♀ Nov. 29, 1878. N. Y.

Colors of parts the same as above (No. 1798).

8.95; 13.45; 4.27; 3.65. Bill from nostril, '42;

1799, gape, '54. Tarsus, '86. Middle toe, '65; its claw, '35.

1800, Pinicola enucleator ♂ juv. 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 ♂ juv. 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;

1801, its claw, '33.

1802, 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; 15.15. 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 attitude 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 does not move it so much as an inch, even to gratify ^{its} most intense curiosity. This ^{by observation} must be a general 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 toward him.

Birds Observed in the Vicinity of Highland Falls, N. Y., from December 24¹⁸⁷⁸ to January 2¹⁸⁷⁹ 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. *nyemalis*. One seen.

Carpodacus purpureus. -

Spizella monticola. -

Junco nyemalis. -

Cyanurus cristatus. - Numerous.

Corvus americanus. -

Picus pubescens. -

Falco columbarius. - Two observed.

Haliaeetus leucocephalus. - About West Point.

Bonasa umbellus.

Scops asio. - Heard at night.

Mergus merganser. Numerous in the air-holes.

Bucephala americana. - One flock at Tona Island July, 2nd, 1879.

Larus argentatus. - Common in the open spots.

Agrotherus 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. Kilsley's

orchard on December 30th, 1878, uttering their wild note.

Pinicola enucleator. - Mr. C. Z. 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.

Ceryle alcyon, Not uncommon.

Specimens collected.

No. 1805. *Cyanurus cristatus*, ♀ ad., Dec. 27, 1878. Consook Marsh, 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. *Cyanurus 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. N.Y. Iris hazel. Bill blue-black; legs & feet, lead-color. 6.25; 11.30; 3.55; 1.95; bill (culmen), .76; tarsus, .71.

1808. *Bonasa umbellus*, ♂ ad. Dec. 30, 1878. West Point, N.Y. Iris hazel; Bill dark brown; horn-color on basal 2/3 of mandible; legs & feet, lead-color. 17.12; 23.35; 7.10; 6.50.

1809. *Aegialitis 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 1/3 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, .23.

1810. *Aegialitis linaria*, ♂ juv. N.Y. Dec. 30, 1878. 5.35; 8.65; 2.78; 2.35; bill, .35; tarsus, .55.

No. 1811. *Aegialitis linaria*, ♂ ad., Dec. 30, 1878. N.Y. 5.35; 8.80; 2.82; 2.25; bill, .36; tarsus, .57.

1812. *Aegialitis linaria*, ♂ ad. Dec. 30, 1878. N.Y. 5.50; 8.80; 2.82; 2.35; bill, .37; tarsus, .56.

1813. *Aegialitis linaria*, ♂ juv. Dec. 30, 1878. N.Y. 5.60; 9.35; 3.10; 2.45; bill, .36; tarsus, .65.

1814. *Aegialitis linaria*, ♂ juv. Dec. 30, 1878. N.Y. 5.50; 9.05; 2.85; 2.35; bill, .35; tarsus, .56.

1815. *Aegialitis linaria*, ♂ juv. Dec. 30, 1878. N.Y. 5.60; 8.85; 2.85; 2.40; bill, .36; tarsus, .55.

1816. *Aegialitis linaria* ♀ ad. Dec. 30, 1878. N.Y. 5.15; 8.45; 2.70; 2.25; bill, .33; tarsus, .52.

1817. *Aegialitis linaria* ♂ juv. Dec. 30, 1878. N.Y. 5.40; 8.80; 2.85; 2.30; bill, .35; tarsus, .57.

1818. *Aegialitis linaria* ♀ ad. Dec. 30, 1878. N.Y. 5.12; 8.25; 2.70; 2.15; bill, .36; tarsus, .52.

Note

Mr. A. K. Fisher found the *Aegialitis linaria* (or *Aegialitis*) *crystallina* at Sing Sing, N.Y. during the holiday week, at Sing Sing, N.Y. *Larus pallasii*. Mr. Fisher also found a *Hirundo lunifrons* at Sing Sing, during the holidays.

1819. *Marca frenelops* (European *Tringa*). ♂ ad. January 25, 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 were shot on the James River. Length, 19.50; stretch, 53.60; wing from carpal 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. Feet

Zoological Journal,
andRegister of August 1/75
Mammals. Highlands Falls, N.Y.

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.

21. Scalops aquaticus, Cur. - 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 Weasel.
Common.
58. Lutra canadensis, Sab. - American Otter.
Is said to be not uncommon.
64. Mephitis mephitis. - Common Skunk.
Very abundant.
68. Procyon lotor, Storr. - Common Raccoon.
Very abundant.
73. Didelphys virginiana, Shaw. - Possum.
Quite common.
77. Sciurus carolinensis, Inv. - Gray + Blk Squirrel.
Common.
83. Sciurus hudsonicus, Pallas. - Red Squirrel.
Exceedingly abundant.
87. Pteromys volucella, Cur. (?) - T. 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. (Wetmore .)
188. *Tiber gibbucus*, Cur. - Musk Rat.
Exceedingly common.
- 197 *Lepus sylvaticus*, - Bachman. - Gray Rabbit.
Exceedingly abundant.

Not on list. *Vespertilio virginiana* - New York Bat.
(De Kay's name) Very common.

(De Kay's name) *Vespertilio subulatus*, - Little Brown Bat. (?)
very common

Specimens Collected.

Private No.

- 1 *Sciurus carolinensis*, Sm. - Gray Squirrel
Highland Falls N.Y. September 1872 (Mounted)
- 2 *Sciurus carolinensis*, Sm. - Black Squirrel.
Washington Market N.Y. Nov 1872 (Mounted)
- 3 *Oteromys volucella*, Curd? - 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*, Pall. 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 *Mephitis mephitis*, - 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, $30\frac{2}{8}$; tail to end of hairs, $7\frac{4}{8}$; length to end hind leg, $45\frac{1}{8}$; 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, $32\frac{2}{8}$
- 14 *Lynx rufus*, Raf. - Wild Cat ♂. "Cat Hollow",
Highland Falls N.Y. April 15/1875. - Skin without skull.
brought to me by "Wash". Sprungled.
- 15 *Sciurus carolinensis*, Sm. Gray Squirrel ♀.
Putnam Co. N.Y. Nov 2. 1874. - Skin with skull attached.
Length to root of tail $10\frac{1}{16}$
" 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 outstretched fore feet.
Eye	Ear	Occip.	Tail	Vertebrae	Hairs	
2 3/16	4 10/16	5 7/16	24 1/16	13 4/16	17 10/16	25

From nose to end of outstretched hind leg 37 13/16.
 Posterior height of ear 2 14/16.

Private Nos.

No 17. Tamias striatus. - ♀ Nov. 12. 1875 H. Falls N.Y.

Nose to -				Tail to end of -	
Eye	Ear	Occip.	Tail	Vertebrae	Hairs
4 1/16	1 7/16	1 10/16	5 3/16	3 9/16	4 7/16

No. 18. Sciurus hudsonius Pallat. ♂ Nov. 26. 1875. H.F.

Nose to -				Drs brown	
Eye	Ear	Occip.	Tail	Tail to end	Vertebrae -
1 1/16	1 8/16	1 15/16	7	4 8/16	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 root 13 3/16
 Nose to tail, 25 8/16. - Eye 2 7/16. do do hairs 17 1/16
 - ear, 4 8/16 - occip., 5 8/16. do, width flattened horizontally, 8 1/16
 Posterior height of ear, 3 2/16. Breadth of head between ears, 2 9 1/2/16.

No. 21. Fiber gibethicus Cur. ♀ (Skull.) March 27 1876. Davison's Putnam Co. N. York.

No. 22. Vestertilio noveboracensis ♀ (Skull) Nov. 28. 1876. H.F.

No. 23 Vestertilio noveboracensis ♂ Nov. 28. 1876 Highland Falls, N.Y.

No. 24 Vestertilio noveboracensis ♂ Nov. 28. 1876 Highland Falls, N. Y. Expanse of ears 11 3/16

No. 25 Vestertilio noveboracensis ♂ Nov. 28. 1876. Highland Falls, N. Y. Expanse of ears 1 7/16

No. 26 Vestertilio-carolinensis ♀ Nov 3rd. 1876. Highland Falls, N. Y. Expanse of ears 2 2/16

Vestertilio noveboracensis
 The skull is very large & sutures all closed.

No. 27 Vestertilio (Urocyon) virginianus Richardson ♂ (Skull) Nov. 25. 1876 (Skin and skull)

Measurements

Nose to occiput	5 13/16
" " eye	2 3/16
" " ear	4 10/16
" " root of tail	5 1/16
" " end of outstretched hind leg	31 8/16
" " tail from root to end of vertebrae	15 3/16
" " hairs	16 7/16
" " around breadth of teeth	16
" " height above skull	3 5/16
" " width	2 4/16
" " between tips of claws, across shoulder	26 1/16
" " from above to end of claws	1 1/16

No. 28 Vestertilio-carolinensis ♂ ad. Nov. 18. 1876. Putnam Co. N. Y. (Mounted)

Measurements

Nose to occiput	4 3/16
" " eye	2 7/16
" " ear	2
" " root of tail	12 5/16
" " end of outstretched hind leg	16 10/16
Tail, from root to end of vertebrae	9
" " hairs	11 1/16
" " greatest width	11 1/16
" " ears, height	1
" " width	12 1/16
" " between tips of claws, across shoulder	12
" " from above to end of claws	3 1/16

April 23rd 1877

The Tamias 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 started 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 28, 1877.

Found a nest of young gray Squirrels (Sciurus carolinensis), in 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. 29. Vespertilio carolinensis. ♂ ad. Apr. 23, 1877. H.F.
Nose to root of tail, - $2 \frac{53}{100}$. Wings, expanse, - $12 \frac{81}{100}$.
do eye ----- $\frac{36}{100}$. Ears, height, --- $\frac{50}{100}$.
do ear ----- $\frac{57}{100}$.
do occiput --- $\frac{85}{100}$.

No. 30 Vespertilio carolinensis ♂ ad. Apr. 24, 1877. H.F.
Nose to root of tail, - $2 \frac{50}{100}$ Tail, from root, $1 \frac{85}{100}$.
do eye, ----- $\frac{36}{100}$ Wings, expanse $12 \frac{50}{100}$.
do ear, ----- $\frac{81}{100}$ Ears, height --- $\frac{57}{100}$.
do occiput, --- $\frac{87}{100}$.

1877.

No. 31.

Vesperugo georgianus
Vespertilio subulatus ♂ ad. Apr. 24, 1877. H.F.
Nose to root of tail, - $1 \frac{58}{100}$. Tail, from root, $1 \frac{4}{100}$.
do eye, ----- $\frac{31}{100}$. Wings, expanse, $8 \frac{75}{100}$.
do ear, ----- $\frac{40}{100}$. Ears, height, --- $\frac{40}{100}$.
do occiput, --- $\frac{55}{100}$.

May 3rd

I found a large dead tree in the woods. Thinking there might be something inside, I took up a large stone and tapped on its side, when a Flying Squirrel, flew out and alighted upon the top of a tree-trunk, where I shot it. It tapped again, when another one flew a long way down the hill, frequently turning to avoid the trees, and winding about amongst them with perfect ease, but at last alighted, with a strong upward sweep which gave it great impetus, so that it ran up the tree with great swiftness. There proved to be seven Squirrels in the tree, of which I shot four, as they left the tree. They left their nest only one at a time. I was very much delighted at the way guided their flight, as they sailed far down the hillside out of sight.

Of the four I shot, three were males, and all seemed to be full grown animals.

No. 32

Didelphus virginiana - Opossum. ♂ ad.
West Point, N.Y. Jan. 30, 1877
Measurements of Fresh Specimen

Nose to occiput	$5 \frac{13}{16}$	Arm, bet. claws across shoulders	---
" " eye	$2 \frac{3}{16}$	length of fore-arm	---
" " ear	$5 \frac{3}{16}$	from elbow to end of claw	$5 \frac{10}{16}$
" " root of tail	$2 \frac{7}{16}$	fore-foot	$2 \frac{7}{16}$
Tail, from root to end of vertebrae	$2 \frac{7}{16}$	Leg, from knee joint to end of claw	$6 \frac{7}{16}$
End of all the tail	$1 \frac{3}{16}$	tibia	$4 \frac{3}{16}$
Ears, height posteriorly	$2 \frac{3}{16}$	mid foot from heel to end of claw	3
" " anteriorly	$1 \frac{7}{16}$	Weight about 11 lbs.	
" " above carpal	$2 \frac{7}{16}$		
" " width	$2 \frac{5}{16}$		

No. 39 *Sciurus hudsonicus*, Pallas. ♀ Feb. 6, 1878
N. Y. Hunter's skin and entire skeleton

Note

For list of Mammals seen at Fort Miller,
New York, see page 2 & 4 of Journal
March 23, 1878.

Miss M. Sarretson, of Rhinebeck, N. Y.
related the following story, about the
Weasel: While ~~coming~~ ^{in her house} down the stairs,
she met a weasel carrying with it a
large rat. It advanced fearlessly, and
she, having the fire-tongs in her hand,
seized the rat, and proceeded to carry
it through the hall, when she saw
the weasel following her. Passing
through the hall, and across the adjoining
apartment, she deposited the dead
rat in the library, where the
weasel immediately repossessed ~~him~~
itself of its prize. Miss Sarretson
then withdrew, ^{leaving the door} ~~to close~~ 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 (Zapus) vison* ♂ juv. Fort Klamath, Oregon,
Lieut. Willis Wittich, U. S. A. January 17, 1878.
Skin & skull.

41 *Canis familiaris* var *mastiff*. ♂ (One day old)
Cragston, N. Y. January 10, 1878. Skeleton and
piece of skin.

No. 42. *Sciurus 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 shoulder, 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 *Sciurus carolinensis* ♂ - has been castrated.

April 3rd, 1878. Locust 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 Mottbeck,
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 Mottbeck's collection, taken at Fishkill.

1878.

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-Hamburg, N. Y. Mr. Wood shot the animal himself at New-Hamburg, 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 ~~un-~~ pleasant 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 Harrison's. 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 (Craigston), 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

1878.

affectionate. It steadily ate clover & timothy sitting on my knee & holding the clover stems 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 feet in my 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 & books were tumbled about in a state of the wildest confusion, while bird-skins & eggs (right through mostly) were scattered about the tables. Fortunately, however, none of the eggs were broken, though 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.

Scapanus breweri

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 gardeners who saw it digging at their place, at Harrison's. I advised him to send it to "Ball's" to be mounted.

"The mice too, how thick their tracks were, that of the white-footed mouse being most abundant; but occasionally there was a much finer track, ~~which~~ 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} on 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 covered path shows." From Scribner's Monthly, Page 189. June, 1878. John Burroughs.

No. 45. *Hesperomys leucopus* ♀. Nov. 28, 1878. Garrison, 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 Garrison, 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 Poppler 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; hairs, 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 Michell's?

No. 45 " " " "

No. 568 Am. Mus. probably one of the above
See original entries.

No. 49. *Lepus americanus*, var. *virginianus* ♂ adult. Loerst Grove, Lewis County, N.Y. Received from C. G. Baggett, 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, ; hairs, 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, 29.30. Length of longest orbital bristle, 3.15. 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

1879.

my Ermine in exactly the same attitude that I had left them. 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 squealing 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 hairs	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 claw	2.93
tibia	1.70
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.

1880.

March 26th. N.Y.

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 old Mink appeared upon the edge of the sloping rock, and their owner peered wickedly and cunningly at the flock of mallards that was unsuspectingly 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 I 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 Grebes. 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 Consook 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.

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*).

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 S. 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 appearing 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 inquiring 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. Lepus 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;
Fibial process, .90; Wing from carpal joint, 3.15

October 28th, 1881. H.E.M.

To-day hid 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 whurr 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. Bluejays 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 vertebræ 19.75; end of hairs, 22.65; outstretched hind leg, 16.40. Tail from root to end of vertebræ, 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 tridecemlineatus) was seen by Mr. Isaiah Hulse on the 9th of December. I saw plenty of their burrows. They

1881-82.

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 vertebrae, 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 Hulse's 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 horse 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 so many times passed over without hurting it, after heading it off in this way several times, I tied out my horse, and gave chase 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, and chasing each other all day.

1882.

March 2nd.

H. S. M. J.

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, shining 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), 13.65; root of tail, 7.00; eye, .78; ear, 1.50; occiput, 1.90; Tail to end of vertebrae, 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. S. M. J. Shot by Ella W. Mearns. 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 vertebrae, 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.Y.

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 apart-
ment 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,

1882.

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 wrinkled
and their tails were nearly bare,
and their heads seemed dispropor-
tionately large.

May 20 N.Y.

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.Y.

This morning Mr. Harry Brooks,
who is staying at my house, brought
me in a fine adult Ermine
(*Putorius novboracensis*), 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 novboracensis*, ♂ 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 these measurements. The measurement of tibia is taken to the anterior ankle-joint, while the measurement of the hind-foot are from the calcis at the posterior extremity of the heel.

This is the reason why the two measurements of tibia and hind foot taken together are $>$ "hind foot from heel"
 Leg from knee-joint to end of claws,
 are unequal to the single measurement

Sept. 5, 1882. N.Y.

Arctomys 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, 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 entrance 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 wherewith 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 advanced, 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 breast, and then ran. He turned and ran into his burrow.

1882.

which opened in an horizon-
tal crevice in a ledge, some
three feet above the ground.

September 7th. H. F., N. Y.

- No. 60. Arctomys monax. ♂ juv.
To-day Ella and I went after
the Woodchuck. We found him,
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 Squirrel. 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 Mam-
mals 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. 1st 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. 1880.

1. Lynx canadensis (Deerm.) Raf.
[Merriam, p. 40] Canada Lynx.
2. Lynx rufus (Gmelin) Raf.
[Merriam, p. 41] 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. 55] Ermine; Stoat; Large Weasel; "White Weasel";
"Brown Weasel."
7. Putorius vison (Brisson) Gapper.
[Merriam, p. 64] Mink.
8. Mephitis mephitis (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 Linnæus.
[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 (Exl.) 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."
Allen.
23. Sciurus carolinensis leucotis (Gapper)
[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)^{Leucos.}
[Jordan, p. 30] Jumping Mouse.

27. Mus decumanus Pallas.
[Jordan, p. 31.] Brown or Norway Rat.

28. Mus musculus Linnaeus
[Jordan, p. 31.] Common House Mouse.

29. Hesperomys leucopus (Raf.) G. 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. 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.

69.

5.

- 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. juv.
Eastern Chickaree; "Red Squirrel."
Highland Falls, N.Y. May 7, 1877.
- Nos. 75-80. ? Arvicola riparius Ord. juv.
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
(Capped) Allegh. 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

Date, April 25, 1877. See *antea* p. 506.

- 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. Blarina brevicauda (Say) Baird.
Short-tailed Shrew. Highland Falls,
N.Y., Sept. 19, 1877. In alcohol.
- No. 83. Blarina brevicauda (Say) Baird.
Highland Falls, N.Y., Oct. 24, 1877.
Head (Skull & skin) in alcohol.
- No. 84. Sciurus hudsonius, F. ad.
Red Squirrel. Highland Falls, N.Y.
May 11, 1877. Female containing
young, she moved with difficulty
among the branches of a birch tree,
where she was shot. In alcohol.
- No. 85. Sciuropterus volucella (Pall.) Geoff.
American Flying Squirrel; Southern Flying
Squirrel. Highland Falls, N.Y. May 3, 1877.
See page 507. In alcohol.

February 17th, 1883.

To-day, I shot a large, very gray pelaged,
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 shak-
ing up above the snow; and then knew
she was unable to crawl away

from one 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 Fad.
February 17th, 1883. Faust'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 joints (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 hind-foot 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.
Ead. 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. 59, which see (p. 528 after measurements).

Although so late in the season, white hairs, few however, ~~were~~ were scattered through the entire pelage, and one foot was about one-half white.

My wife shot the above specimen. At

came out of some loose stones at the base of a big boulder, and approached us fearlessly, as we were crossing a high ledge through a swamp. 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 weasel'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 crevice 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 amongst 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 amongst 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 morboracensis.

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. juvenis

Ploughed up out of the ground. The date

and note concerning these specimens is on page of Journal, vol.

No. 90. Condylura cristata L. juvenis.
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 harrisi (Aud. & Bach.) Allen. Harris's
Chipmunk. ♂ ad. Fort Verde, Arizona. Apr. 8, 1884.

No. 94. Tamias harrisi (Aud. & Bach.) Allen. Harris's
Chipmunk. ♂ ad. Fort Verde, Arizona. April, 5, 1884.

No. 95. Tamias amoenus dorsalis. Sila chipmunk.
♀ ad. Whipple Barracks, Arizona. April 21, 1884.

No. 96. Geomys columbianus (Ord) Allen. Western
Berkley Squirrel. ♀ ad. Spaulding's, on the
Agua Fria, Yavapai 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.
Point of Rocks, 4 miles north of Whipple Bar-
racks, Arizona May 9.

No. 99. Spermophilus grammurus (Say) Bachman.
Rocky Mountain Line-tailed Spermophile. ♂ ad.
Copper Canon, 5 miles west of Fort Verde, Ar-
izona, 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. ♂ juv.
Fort Verde, Arizona. May 26, 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* (Aud. & 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. *Corynorhinus 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 longipennis*? Little Bat. ♀ ad. Fort Verde, Arizona, August 15, 1884.

- No. 119. *Spermophilus grammurus* (Say) Bachman. Rocky Mountain Line-tailed Spermophile ♀ ad. Fort Verde, Arizona. August 16, 1884.
- No. 120. *Castor fiber canadensis*. American Beaver. ♂ ad. Verde River, near Fort Verde, Arizona. August 16, 1884. Weight, 57 lbs. avoird.
- 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. 10, 1884.
- No. 125. *Tamias harrisi* (Aud. & Bach.) Allen. Harris's Chipmunk. ♂ ad. Fort Verde, Arizona. Sept. 10, 1884.
- No. 126. *Lepus sylvaticus arizonae*. Desert Hare. ♀ ad. Fort Verde, Arizona. September 11, 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* (Aud. & Bach.) Allen. Harris's Chipmunk. ♂ ad. Fort Verde, Arizona. Sept. 19, 1884.
- No. 130. *Tamias harrisi* (Aud. & Bach.) Allen. Harris's Chipmunk. ♀ juv. Fort Verde, Arizona. Sept. 19, 1884.
- No. 131. *Dipodomys microps ordii* ~~penicillatus~~, Woodhouse. Fox-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, Fonto Basin, Arizona. October 7, 1884.
- No. 141. *Sciurus aberti* Woodhouse. Abert's Pine Squirrel. ♂ ad. Between the Left Fork of Cañon Creek and Cibicu Creek, Arizona. October 8, 1884.
- No. 142. *Hesperomys leucopus eremicus* (Baird) Coues. Desert Mouse. ♂ ad. Fonto Creek, Gila Basin, Arizona. October 22nd, 1884.
- No. 143. *Hesperomys leucopus eremicus* (Baird) Coues. Desert Mouse. ♀ juv. Fonto 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. Cañon of Cataract Creek, near the Supai Indian Settlement, Arizona. November 11, 1884.
- No. 147. *Thomomys cinereo-argenteus* (Schub.) ^{Gray} ~~Schub.~~ ♂ ad. Supai Indian Settlement in Cataract 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. 2 miles east of Peach Springs, Mojave County, Arizona. Nov. 23, 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} ~~(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) ^{Merriam} ~~Coues~~. ^{Arizona mole mouse} ~~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 arizonae. Desert Hare. ♂ ad.
Fort Verde, Arizona. December 27, 1884.
- No. 157. Lepus sylvaticus arizonae. Desert Hare. ♂ ad.
Fort Verde, Arizona. December 27, 1884.
- No. 158. Lepus sylvaticus arizonae. Desert Hare. ♂ ad.
Fort Verde, Arizona. December 30, 1884.
- No. 159. Lepus leucurus. White-tailed Deer. ♂ juv.
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 arizonae. Desert Hare. ♂ ad.
Fort Verde, Arizona. January 3, 1885.
- No. 161. Lepus macrotis, Say. Mule Deer ♂ ad.
Fort Verde, Arizona. Jan. 6, 1885.
- No. 162. Lepus 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 arizonae. Desert Hare. ♂ ad.
Fort Verde, Arizona. Jan. 8, 1885.
- No. 165. Lepus 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.* Lepus macrotis Say. Mule Deer. ♀ ad.
Fort Verde, Arizona. March 6th, 1885.
- No. ~~168~~²⁰¹ Castor fiber canadensis. American Beaver.
Adult. Hunter's skin. 930 x 800 mm.
- No. ~~169~~²⁰² Castor fiber canadensis. American Beaver.
Adult. Hunter's skin. 1090 x 700 mm.
- No. ~~170~~²⁰³ Castor fiber canadensis. American Beaver.
Adult. Hunter's skin. 1060 x 720 mm.
- No. ~~171~~²⁰⁴ Castor fiber canadensis. American Beaver.
Adult. Hunter's skin. 970 x 780 mm.
- No. ~~172~~²⁰⁵ Castor fiber canadensis. American Beaver.
Adult. Hunter's skin. 940 x 770 mm.

* List of specimens continued on page 552.

- No. ~~173~~²⁰⁶ Castor fiber canadensis. American Beaver.
Adult. Hunter's skin. 1010 x 840 mm.
- No. ~~174~~²⁰⁷ Castor fiber canadensis. American Beaver.
Adult. Hunter's skin. 900 x 770 mm.
- No. ~~175~~²⁰⁸ Castor fiber canadensis. American Beaver.
Adult. Hunter's skin. 950 x 650 mm.
- No. ~~176~~²⁰⁹ Castor fiber canadensis. American Beaver.
Adult. Hunter's skin. 930 x 700 mm.
- No. ~~177~~²¹⁰ Castor fiber canadensis. American Beaver.
Adult. Hunter's skin. 920 x 750 mm.
- No. ~~178~~²¹¹ Castor fiber canadensis. American Beaver.
Young of the year. (Dec. & Jan., 1884-85.)
- No. ~~179~~²¹² Castor fiber canadensis. American Beaver.
Young of the year. Hunter's skin. 760 x 600.
- No. ~~180~~²¹³ Castor fiber canadensis. American Beaver.
Young of the year. Hunter's skin. 670 x 580 mm.
- No. ~~181~~²¹⁴ Castor fiber canadensis. American Beaver.
Young of the year. Hunter's skin. 710 x 600 mm.
- No. ~~182~~²¹⁵ Castor fiber canadensis. American Beaver.
Young of 2nd & 3rd years. (Dec. & Jan., 1884-85.)
Immature. Young probably in second year.
Size of skin, 720 x 610 mm.
- No. ~~183~~²¹⁶ Castor fiber canadensis. American Beaver.
Immature. Young probably in third year.
Size of skin, 810 x 720 mm.
- No. ~~184~~²¹⁷ Castor fiber canadensis. American Beaver.
Immature. Young, probably in third year.
Size of skin, 820 x 680 mm.

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 condi-
tion, by the person who trapped them, for
thirty dollars (\$30⁰⁰/₁₀₀).

Castor ~~liver~~ 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 & 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 ⁰⁰/₁₀₀, or a trifle over \$1 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 on~~ 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 rufaceous 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, rufaceous 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 x 800 mm., and weighs 2 1/4 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 x 700 mm.

Between the above two specimens there are various gradations in color. 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 snout, 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 Huachuca Spermophile. ♀ ad. Fort Huachuca ranch on New River, Arizona, March 28, 1885.
- No. 169. Spermophilus tereticaudus Baird. Fort Huachuca Spermophile. ♂ ad. Between New River and Phoenix, Arizona, March 28, 1885.
- No. 170 Spermophilus tereticaudus Baird. Fort Huachuca Spermophile. ♀ ad. Between New River and Phoenix, Arizona. March 28, 1885.
- No. 171. Spermophilus tereticaudus Baird. Fort Huachuca Spermophile. ♂ ad. Between New River and Desert Station, Arizona Territory, March 28, 1885.

- No. 172. *Thomomys talpoides* Baird - Fort Yuma Spermophile. ♂ ad. Desert Station, Arizona. March 29, 1885.
- No. 173. *Tamias harrisi* (Aud. & Bach.) Allen. Harris's Chipmunk, ♀ ad. Desert Hill, A. S., 30 miles north of Phoenix. March 28, 1885.
- No. 174. *Thomomys talpoides* Baird. Fort Yuma Spermophile. ♀ ad. Near Mineral, Arizona. March 30th, 1885.
- No. 175. *Lepus callotis callotis*. Mexican Hare, Southern Jackass Hare. ♀ ad. Coachito Station, Arizona. April 2, 1885.
- No. 176. *Cynomys columbianus* (Ord) Allen. Western prairie squirrel; Western "Prairie Dog". ♂ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 177. *Cynomys columbianus* (Ord) Allen. ♂ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 178. *Cynomys columbianus* (Ord) Allen. ♂ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 179. *Cynomys columbianus* (Ord) Allen. ♂ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 180. *Cynomys columbianus* (Ord) Allen. ♂ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 181. *Cynomys columbianus* (Ord) Allen. ♂ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 182. *Cynomys columbianus* (Ord) Allen. ♀ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 183. *Cynomys columbianus* (Ord) Allen. ♀ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 184. *Cynomys columbianus* (Ord) Allen. ♀ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 185. *Cynomys columbianus* (Ord) Allen. ♀ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 186. *Cynomys columbianus* (Ord) Allen. ♀ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.
- No. 187. *Cynomys columbianus* (Ord) Allen. ♀ ad. Point of Mountain (near Wilcox), Arizona. April 9, 1885.

- No. 188. *Lepus callotis texianus*. Northern Jackass Hare. ♀ ad. Deming, New Mexico. April 29, 1885.
- No. 189. *Lepus sylvaticus arizonae*. Desert Hare. ♂ ad. Lordsburg, New Mexico. April 27, 1885.
- No. 190. *Cynomys columbianus* (Ord) Allen. ♂ ad. Gzagoon Summit, Arizona. May 3, 1885.
- No. 191. *Lepus callotis callotis*. Mexican Hare; Southern Jackass Hare. ♂ ad. Pilito Station, Arizona. May 8, 1885.
- No. 192. *Lepus callotis callotis*. Mexican Hare; Southern Jackass Hare. ♀ ad. Red Rock, Arizona. May 8, 1885.
- No. 193. ~~*Lepus californicus*~~ *Urocyon velox*. Prairie Wolf; Coyote. ♀ ad. Between Maricopa and Gila Indian Agency on the Gila River, Arizona. May 13, 1885.
- No. 194. ~~*Dipodomys phillipsi ordi*~~ *Dipodomys phillipsi ordi* Woodhouse. Long-tailed Pocket-mouse. ♂ ad. New River, Arizona. May 16, 1885.
- No. 195. *Spermophilus tereticaudus* Baird. Fort Yuma Spermophile. ♂ ad. Desert Station, Arizona. Kept alive until May 23, 1885, when it died at Fort Verde, Arizona. May 14, 1885.
- No. 196. *Felis concolor*. Panther; "Mountain Lion"; "Mexican Lion". ♂ ad. This animal killed a young cow near Squaw Peak, Arizona. The animal was baited with strychnine and it was found beside the carcass, dead. Mr. John Leance presented it to me - a hunter from Squaw Peak, A. T. Winter of 1884-5.
- No. 197. *Tamias usaticus dorsalis* (Aud.) Allen. Gila Chipmunk. ♀ ad. (Total length, 253.) Limestone cliff, on Beaver Creek, a few miles from Fort Verde, Arizona. June 4, 1885.
- No. 198. *Castor fiber canadensis*. American Beaver. ♂ juv. Ft. Verde, Arizona. June 13, 1885.
- No. 199. *Castor fiber canadensis*. American Beaver. ♂ juv. Fort Verde, Arizona. June 13, 1885. Both of the above were young of the year. Had not cut their incisors.

200. Fiber tibeticus. Muskrat. ♂ ad.
Fort Verde, Arizona (near mouth of Beaver Fork),
June 5 to 15, 1885. Skull.

201 to 217 are catalogued on pp. 546, 547.

18. Mephitis mephitis (Common Skunk. ♀ ad.)
Taken at Whipple Barracks, Arizona, by
General George Crook. Skull.

19. Mephitis (Spilogale) putorius (L.) Little
Striped Skunk. ♂ ad. Taken at Whipple Barracks
Prescott, Arizona by Gen. George Crook.
Skull. Febr. 28, 1885.

22. Lynx rufus maculatus. Lynx. ♂ ad. Cat.
♂ ad. Seen (or) near south of Fort Verde, Arizona
on the Rio Verde, February 11, 1885. Skull.

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 Linnaeus. Cougar; Panther;
Mountain Lion (of the West); Puma (of South America).
2. Lynx rufus maculatus Erad. & Bach.
Lynx. ♂ ad. Cat.
3. Canis lupus Linnaeus. Wolf.
"Timber Wolf."
4. Canis latrans Say. Coyote; Prairie Wolf.
5. Urocyon cinereo-argentatus (Schub.) Coar.
Gray Fox.
6. Mephitis mephitis (Shaw) Baird.
Common Skunk; Polecat; "Alaska Sable."
7. Mephitis (Spilogale) putorius (Linn.)
Little Striped Skunk.
8. Coniophanes macrurus (?) Coues.
White-backed Skunk.
9. Taxidea americana (Bodd.) Baird.
American Badger.

10. Lutra canadensis (Turton) DuRoi.
North American Otter.

11. Procyon hernandezii Nagel.
California Raccoon; Blue-footed Raccoon.

12. Ursus americanus Pallas.
Black Bear; Brown Bear.

13. Cervus canadensis Erxl.
American Elk; Wapiti.

14. Canis virginianus macrurus (Aud.) Allen.
White-tailed Deer.

15. Canis mexicanus Gmelin.
Sonora Deer.

16. Canis macrotis Say.
Mule Deer; "Black-tailed Deer."

17. Ontocarpa americana Erad.
Long-horn Antelope; Antelope.

18. Cervus montana Coues.
Bighorn; Mountain Sheep.

19. Myotis yumanensis (H. Allen).
Bat.

20 Long-eared Bats: Antrozous pallidus and
20a. Corynorhynchus macrotis pallescens Miller.

21. Sciurus hudsonius fremonti (Aud.) Bach. Allen.
Fremont's Chickaree.

22. Sciurus aberti Woodhouse.
Abert's Pine Squirrel.

23. Tamias asiaticus dorsalis (Aud.) Bach. Allen.
Tia chipmunk.

24. Tamias asiaticus macrotatus (Say) Allen.
Rocky Mountain Chipmunk.

25. Tamias harrisi (Aud.) (Bach.) Allen.
Harris's chipmunk.

26. Spermophilus grammurus grammurus (Say)
Allen. Rocky Mountain Line-tailed Spermophile.

27. Spermophilus tereticaudus Baird.
Fort Yuma Spermophile.

28. Spermophilus columbianus (Aud.) Allen.
Western Barking Squirrel; Western "Prairie Song."
29. Mus decumanus Pallas.
Rat.
30. Mus musculus Linnaeus.
House Mouse.
31. Neotoma floridana Say and Aud.
Wood Rat.
32. Hesperomys leucopus eremicus (Baird) Coles.
Desert Mouse.
33. Fiber zibethicus Linn. Currier.
Muskrat; Musquash.
34. Lepus sylvaticus nuttalli (Bach.) Allen.
Sage Hare.
35. Lepus sylvaticus arizonae Allen.
Desert Hare.
36. Lepus callotis callotis (Cragin) Allen.
Mexican Hare; Southern Jackass Hare.
37. Lepus callotis texianus (Waterhouse) Allen.
Northern Jackass Hare.
38. Erethizon dorsatus spixianus Grant, Allen.
Western Porcupine.
39. Dipodomys phillipsi ordi
~~prognathus~~ gambelii Woodhouse.
Light-tailed Pocket-mouse.
40. Thomomys talpoides umbrinus (Rich.) Coles.
Southern Pocket Gopher.
41. Castor fiber canadensis (Linn.) Allen.
American Beaver.
42. Hesperomys (Onychomys) leucogaster torridus
(Coles) 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. Spermophilus grammurus grammurus.
Rocky Mountain Line-tailed Spermophile.
♂ ad. Fort Verde, Arizona. July 7, 1885.
- No. 222. Mephitis mephitis ♂ juv. Skunk.
Fort Verde, Arizona. July 10, 1885.
- No. 223. Mephitis mephitis. Common Skunk.
♂ juv. Fort Verde, Arizona. July 11, 1885.
- No. 224. Tamias harrisi. Harris's Chipmunk. ♀ juv.
Fort Verde, Arizona. July 20, 1885.
- No. 225. Fiber zibethicus. Muskrat. ♂ ad.
Fort Verde, Arizona. July 22, 1885.
- No. 226. Mephitis mephitis. Common Skunk. ♀ juv.
Fort Verde, Arizona. July 25, 1885.
- No. 227. Spermophilus tereticaudus. Round-tailed
Spermophile. ♀ ad. Fort Lowell, Arizona.
April 6, 1885. Skull only preserved.
- No. 228. Spermophilus tereticaudus. Yuma
Spermophile; Round-tailed Spermophile. ♂ ad.
Desert Well, 20 m. north of Phoenix, Arizona.
May 15, 1885. Skull only preserved.
- No. 229. Tamias harrisi. Harris's Chipmunk. ♂.
Fort Verde, Arizona. August 17, 1885.
- No. 230. Tamias harrisi. Harris's Chipmunk. ♂.
Fort Verde, Arizona. August 17, 1885.
- No. 231. Tamias harrisi. Harris's Chipmunk. ♂.
Fort Verde, Arizona. August 17, 1885.
- No. 232. Fiber zibethicus. Muskrat. ♂ ad.
Fort Verde, Arizona. August 19, 1885.
- No. 233. Myotis gymnanensis (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. Taxidea americana berlandieri. Mexican
Badger. ♀ ad. Fort Verde, Arizona.
August 30, 1885.

- No. 237. *Lynx rufus maculatus*. Texas Wild Cat.
♂ juv. Fort Verde, Arizona. August 30, 1885.
Shot near the Saw-Mill, in the Post.
- No. 238. *Eptesicus fuscus* (Beauvois). Large Brown Bat.
♀ ad. Fort Verde, Arizona. Sept. 15, 1885.
- No. 239. *Coonipatus mapurito*. White-backed Skunk.
♂ ad. Indian Garden, Oak Creek, 35 miles
north of Fort Verde, Arizona. Jan. 17, 1885.
Skull and one claw, only, preserved.
- No. 240. *Lamias asiaticus dorsalis*. ♂ ad. Gila Chipmunk.
Fort Verde, Arizona. September 17, 1885.
- No. 241. *Fiber zibethicus*. Muskrat. ♂ ad.
Fort Verde, Arizona. September 17, 1885.
- No. 242. *Sigmodon hispidus arizonae*. var. nov.
Arizona Cotton Rat. ♂ ad.
Fort Verde, Arizona. September 18, 1885.
- No. 243. *Sigmodon hispidus arizonae*. var. nov.
Arizona Cotton Rat. ♂ ad.
Fort Verde, Arizona. September 18, 1885.
- No. 244. *Hesperomys leucopus eremicus*. Desert
Mouse. ♂ ad. Fort Verde, Arizona. Sept. 23, 1885.
- No. 245. *Hesperomys leucopus eremicus*. Desert
Mouse. ♀ juv. Fort Verde, Arizona. September 23, 1885.
- No. 246. *Coonipatus mapurito*. White-backed Skunk.
♂ ad. West of Squaw Peak and 10 miles from
Fort Verde, Arizona. September 23, 1885.
- No. 247. *Hesperomys leucopus eremicus*. Desert Mouse.
♂ ad. Fort Verde, Arizona. September 26, 1885.
- No. 248. *Hesperomys leucopus eremicus*. Desert Mouse.
♀ ad. Fort Verde, Arizona. September 26, 1885.
- No. 249. *Mephitis mephitis*. Common Skunk.
♂ juv. Fort Verde, Arizona. September 26, 1885.
- No. 250. *Dipodomys philippei 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. *Coonipatus mapurito*. White-backed Skunk.
♀ juv. Fort Verde, Arizona. October 1, 1885.
- No. 253. *Sigmodon hispidus arizonae*. var. nov.
Arizona Cotton Rat. ♂ juv. Fort Verde,
Arizona. October 2, 1885.
- No. 254. *Neotoma floridana mexicana*. Mexican
Wood Rat. ♂ juv. Fort Verde, Arizona. Oct. 2, 1885.
- No. 255. *Hesperomys leucopus eremicus*. Desert Mouse.
♂ juv. Fort Verde, Arizona. October 3, 1885.
- No. 256. *Mephitis mephitis*. Common Skunk. ♂ juv.
October 3, 1885. Fort Verde, Arizona. Skull.
- No. 257. *Mephitis mephitis*. Common Skunk. ♂ juv.
Fort Verde, Arizona. October 8, 1885. Skull.
- No. 258. *Mephitis mephitis*. Common Skunk. ♀ juv.
Fort Verde, Arizona. October 10, 1885.
- No. 259. *Hesperomys leucopus sonoriensis* (not typical).
Sonora Mouse. ♂ ad. Fort Verde, Arizona.
- No. 260. *Taxidea americana berlandieri*. Mexican
Badger. ♂ ad. Fort Verde, Arizona. October 12, 1885.
- No. 261. *Hesperomys leucopus eremicus*. 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. *Coonipatus 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. 69
♂ juv. Fort Verde, Arizona. October 17, 1885.
- No. 266. *Hesperomys leucopus eremicus*. Desert Mouse.
♀ juv. October 18, 1885. Fort Verde, Arizona.
- No. 267. *Mephitis mephitis*. Common Skunk. ♂ ad.
Fort Verde, Arizona. October 18, 1885.
- No. 268. *Mephitis mephitis*. Common Skunk. ♂ ad.
Fort Verde, Arizona. October 19, 1885.
Skull only preserved. 5

- 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 imitrimus*. Southern Pocket Gopher. ♀ ad. Fort Verde, Arizona. Nov. 1, 1885.
- No. 276. *Antilocapra 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*. Lila Chipmunk. ♀ ad. Cherry Creek, Arizona. November 19, 1885.
- No. 281. *Lynx rufus maculatus*. Texas Wild Cat. ♀ juv. Fort Verde, Arizona. November 25, 1885.
- No. 282. *Cariacus macrotis*. Mule Deer. ♂ ad. Skin of head and skull. 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. S.W. of Squaw Peak, Arizona. December 8, 1885.
- No. 290. *Felis concolor*. Mountain Lion. ♂ ad. m. S.W. of Squaw Peak, Arizona. The desiccated 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 Pycamore 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. *Bassaris 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. Taxiades harrisi. Harris's Chipmunk. ♂ ad.
Fort Verde, Arizona. Jan. 30, 1886.
- No. 309. Felis concolor. Mountain Lion. ♀ ad.
Skin without scalp, and skull (emutilated).
- 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 hernandesi. 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. Cervulus macrotis. Mule Deer. ♂ ad. Skull
and horns without lower jaw. Baker's
Butte, Mogotton Mts, Arizona Dec. 14, 1884.
- No. 315. Cervulus macrotis. Mule Deer. ♂ ad.
Horns. Winter. Fort Verde, Arizona.
- No. 316. Cervulus macrotis. Mule Deer. ♂ ad. Horns.
Fort Verde, Arizona. Winter.
- No. 317. Felis domesticus. House cat. ♂ ad. Shot
on roof of my quarters, Fort Verde, Arizona.
January 16, 1886. Skull, atlas and axis.
- No. 318. Felis domesticus. House cat. ♂ ad. Skull
and axis. Shot on my quarters at Fort Verde,
Arizona, January 16, 1886.
- No. 319. Procyon cinereo-argentatus. Gray Fox.
♂ ad. Hunter's 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 upper cervical vertebrae.
15 miles south of Fort Verde, Arizona. Febr. 6, 1886.
- No. 322. Bassaris astuta. Civet cat. ♀ ad. Skull, atlas
and axis. 15 miles south of Ft. Verde, Arizona. Febr. 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. Procyon cinereo-argentatus. Gray Fox. Adult. Skull and 3 upper cervical vertebrae found near Fort Verde, Arizona in 1886.
- No. 326. Procyon cinereo-argentatus. Gray Fox. ♂ ad. Strawberry Valley Arizona. Hunter's skin without nose or feet.
- No. 327. Procyon cinereo-argentatus. Gray Fox. Adult. Arizona. Skull (found in 1885) without lower jaw.
- No. 328. Laniacus macrotis. 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 Ranch, 6 m. S. of Fort Verde, Arizona. March 12, 1886. Skin and skull.
- No. 336. Nephitis (Spilogale) interrupta. ♂ ad. Marksburg's Ranch, 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. Lepus sylvaticus arizonae. ♀ 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. Lepus sylvaticus arizonae ♀ 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. Lepus sylvaticus arizonae. ♀ ad. Fort Verde, Arizona. March 22, 1886. Skin and skull.
- No. 347. Lepus sylvaticus arizonae ♀ ad. Fort Verde, Arizona. March 22, 1886. Skin and skull.
- No. 348. Lepus sylvaticus arizonae. ♀ ad. Fort Verde, Arizona. March 22, 1886. Skin and skull.
- No. 349. Lynx rufus maculatus. ♂ ad. Davis's Ranch, 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. Cibola Creek, Arizona. October 9, 1884. Skull.
- No. 353. Lepus texianus ♂ ad. Pini Springs, Arizona, near Grand Cañon of Colorado. Nov. 15, 1884. Skull and piece of skin.

- No. 354. *Lepus texianus* ♀ ad. Fort Verde, Arizona
Nov. 12, 1886. 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 scalp.
- No. 357. *Sciurus "arizonensis."* ♂ ad. Fossil Creek,
Arizona. March 19, 1886. Skull and scalp.
- No. 358. *Lynx rufus maculatus* ♀ juv. Gila
River near Sub-Agency January 10, 1886.
Skull (broken).
- No. 359. *Lynx columbianus* ♂ ad. Sulphur Spring
Valley, at head of Arivapai Creek, Arizona.
Skull. January 30, 1886.
- No. 360. *Lynx columbianus* ♀ ad. Sulphur Spring
Valley at head of Arivapai Creek (near
Fort Grant), Arizona. January 30, 1886.
- No. 361. *Lepus texianus.* ♀ ad.
Sulphur Spring Valley at head of Arivapai
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 gram-*
urus. ♀ 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 hernandezii.* ♂ ad. Fossil Creek,
Arizona. Mar. 29, 1886.

- No. 369. *Lepus texianus.* ♂ ad. Fort Verde, Ariz.
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 2.*
♂ 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 of head,
skull, horns, 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
hair, 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 harrisi ♂ 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 Canon, 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. Hunter's
skin and skull.

- No. 397 Spermophilus grammurus grammurus.
♂ ad. Fossil Creek, Arizona April 7, 1886
Hunter's skin and skull.
- No. 398 Spermophilus grammurus grammurus.
♀ ad. Fossil Creek, Arizona. April 9, 1886
Hunter's skin and skull.
- No. 399 Spermophilus grammurus grammurus.
♀ ad. Fossil Creek, Arizona. April 9, 1886
Hunter's skin and skull.
- No. 400 Spermophilus grammurus grammurus.
♀ ad. Fossil Creek, Arizona. April 12, 1886.
Hunter's 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 Baker's 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. Casner
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.} juv. Flagstaff, Arizona,
June 21, 1886. Skin and skull.
- No. 422 *Sciurus aberti*. ♀ ad. Munns's Rancho, 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 *Putorius arizonensis*. ♀ ad. Hydraulic
works, near Flagstaff, Arizona. June 20, 1886.
- No. 429 *Sciurus aberti*. ♂ ad. Tanks 7 miles north of
Strawberry Valley, on the Louto 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 and axis.
- No. 433 *Ursus americanus*. Brown Bear. juv. (a
yearling). Near General Springs, Mogollon
Mts., A. T. June 1886. Skull, atlas and axis.
- No. 434 *Ursus americanus*. Brown Bear. juv.
(a yearling). Near General Springs, Mogollon
Mts., A. T. June, 1886. Skull, atlas and axis.
- No. 435 *Canis latrans*. ♂ ad. Fort Verde, Arizona.
July 15, 1886. Skin, skull, atlas and axis.

- No. 436. Canis latrans. ♂ ad. Fort Verde, Arizona.
July 20, 1886. Skin, skull, atlas & axis.
- No. 437. Tamias lateralis. ♀ ad. Woods's rancho, on
the road to Flagstaff, Mogollon Mountains,
Arizona. July 22, 1886. Skin & skull.
- No. 438. Procyon 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 mephitis ♂ 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. Large 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. Strother, 1st Infantry, U.S.A.
dated Fort M^c Dermitt, 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 moun-
-tains surrounding the place covered with
snow. The post inside of the fences green,
with the porches of the quarters nicely shaded
with trees and rose-bushes. The country is
barren and covered 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
issuing 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 gray-hounds.
The fishing is excellent; the shooting of
young sage hens good a short way
from the post; and the ducks summer
only eight miles down the river. Seventy miles
north the deer are plentiful."

Didelphys virginiana. - Mr. Benjamin P.
Keith informed me that he had killed
a possum in the Catskill Mountains,
New York, near the village of Catskill.

"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
Arm, 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, Avoin.	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 here 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	7.55
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 snout to end of claws	11.78
Total length, from snout to end of Tail	14.55

72,

69,

5,

* The
were the
copies

✓ Lepus

✓ Lepus

✓ Erith

✓ Casto

✓ Dipod

✓ Thomo

✓ Scur

✓ Scur

✓ Scur

✓ Tami

✓ Tami

✓ Tami

✓ Tami

✓ Speri

✓ Speri

✓ Gyn

✓ Mus

✓ Mus

✓ Dic

✓ Cer

✓ Car

✓ Car

✓ An

✓ Ov

✓ Ca

✓ Lo

✓ La

✓ L

8/2
10.00

- ✓ 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,
- ✓ Thomomys sp?
- ✓ Sciurus hudsonius fremonti 544, 555,
- ✓ Sciurus aberti 543, ⁵⁴⁴544, 545, 555, 570, 571,
- ✓ Sciurus arizonensis 566, 568,
- ✓ Tamias asiaticus quadrivittatus 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, 552, 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 556, 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, 665, 566, 572,

✓ Lynx canadensis?

✓ Bassaris astuta 556, 561, 562, 563,

✓ Canis lupus occidentalis 554,

✓ Canis latrans 554, 567, 571, 572,

✓ Vulpes velox 553,

✓ Urocyon cinereo-argentatus 545, 554, 563, 564,

Gulo luscus

✓ Putorius braziliensis frenatus 571,

✓ Mephitis mephitis 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 555, 563, 566, 572,

✓ Ursus horribilus

✓ Ursus americanus 555, 564, 571,

Neotoma mexicana 556, 559, 560, 562,

Neotoma cinerea 556

✓ Hesperomys leucopus sonoriensis 559,

✓ Hesperomys leucopus eremicus 544, 556, 558, 569, 560, 561, 562, 569,

✓ Hesperomys leucogaster torridus 545, 556, 568,

Arvicola ?

✓ Sigmodon hispidus arizonae 556, 558, 559,

✓ Fiber zibethicus 543, 554, 556, 557, 558, 569,

✓ Lepus sylvaticus nuttalli 545, 556,

✓ Lepus sylvaticus arizonae, 541, 542, 543, 545, 546, 553, 556, 565, 566, 572.



