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It has been prepared at the request of the Institution, and printed by authority of the honorable Secretary of the Interior.

SPENCER F. BAIRD,

Secretary of the Smithsonian Institution.

SMITHSONIAN INSTITUTION,

Washington, December, 1880.

NOMENCLATURE

OF

NORTH AMERICAN BIRDS

CHIEFLY CONTAINED IN THE

UNITED STATES NATIONAL MUSEUM.

BY

ROBERT RIDGWAY.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1881.

CONTENTS.

	Page.
Introduction	5
<i>a.</i> Generic names changed	5
<i>b.</i> Specific names changed	6
<i>c.</i> Corrections of authorities	6
<i>d.</i> English names changed	6
Catalogue	11
Appendix	59
<i>a.</i> Species eliminated from the catalogue of 1859	59
<i>b.</i> Species and races described or added to the North American fauna since 1859	60
<i>c.</i> List of North American genera which have been described or added to the fauna since 1859, together with those whose names or orthography have been more or less changed since that date	69
<i>d.</i> Species included in the catalogue which have not yet (according to the records) been actually taken within the prescribed limits	74
<i>e.</i> Species (chiefly Palearctic) which occur only as stragglers or visitants in eastern North America, or which occur regularly only in Greenland and adjacent portions of the continent.	75
<i>f.</i> Palearctic and oceanic species occurring only in Alaska and other parts of the Pacific coast	76
<i>g.</i> Palearctic species occurring both in Greenland and Alaska, but not yet recorded from any intermediate point in North America	77
<i>h.</i> Tropical species, occurring only in southern portions of the United States.	77
Eastern province, including Florida and coast of Texas	77
Southwestern border, Texas to California	78
Entire southern border	79
<i>i.</i> Supposed valid species described by Audubon and Wilson which have not since been met with, and of which no specimens are known to exist in collections	80
<i>j.</i> List of untenable species and races of North American birds described since 1858	80
<i>k.</i> List of exotic species which have been attributed to North America by various authors, but apparently without sufficient evidence of their occurrence	82
<i>l.</i> Partial list of foreign birds which have been introduced to the United States, and those which have been captured after escape from confinement	84
Addenda	85
Table of families of North American birds, showing number of genera and species	86
Concordance	87
Index to the genera	91

INTRODUCTION.

Since the publication, in 1859, of the last Smithsonian catalogue of North American birds,* so many important changes have been made in

* Three catalogues of North American birds have been issued by the Smithsonian Institution to date, as follows :

(1) Catalogue of North American Birds, chiefly in the Museum of the Smithsonian Institution. By Spencer F. Baird, Assistant Secretary of the Smithsonian Institution. Washington: Smithsonian Institution. October, 1858. 4to, paper. 1 p. l., pp. xvii-lvi. [Reissue, with new title page, of pp. xvii-lvi of vol. ix, Pacific R. R. Reports ("Birds of North America"). Includes, besides the list of 738 species, with habitats, tables of the higher groups, and lists of extralimital species (23 in number) treated in the general report, and of others (31) claimed, on apparently insufficient grounds, as North American; also a summary of the number of species given in the works of Wilson, Bonaparte, and Audubon.]

(2) Catalogue of North American Birds, chiefly in the Museum of the Smithsonian Institution. By Spencer F. Baird. First octavo edition. Washington: Smithsonian Institution. [Smithsonian Miscellaneous Collections, No. 108.] 1859. 8vo. 2 p. ll., pp. 19 + 2. [Based upon the quarto list of 1858, but without habitats, and the matter relating to classification, etc. The two additional pages are an alphabetical index of the North American genera. As in the quarto list, there are, ostensibly, 738 species, but there are 22 interpolations, making a total of 760 names in the list.]

(3) A Catalogue of the Birds of North America. By Robert Ridgway. <Proc. U. S. Nat. Mus. iii. Aug. 24-Sept. 4, 1880, pp. 163-246. This catalogue is really the basis of the present one, which is essentially a revised edition, very materially modified, however, by numerous alterations and corrections, involving not only the change of a considerable number of names, but also the writing of a new introduction, etc. The edition the title of which has just been quoted *has not been published separately*, although a number of extras were struck off for private use.

The more important changes which have been made in the present edition consist, as stated above, in (1) a new introduction and (2) change of several names, both generic and specific, as follows :

a. Generic names changed.

- No. 77. "Helmitherus" changed to *Helminthotherus*.
- No. 124-127. "Wilsonia" changed to *Myiodioctes*.
- No. 310. "Myiodinastes" changed to *Myiodynastes*.
- No. 460-461. "Zenædura" changed to *Zenaidura*.
- No. 462. "Zenæda" changed to *Zenaida*.
- No. 517-521. "Ægialitis" changed to *Ægialites*.
- No. 599-600. "Dendrocygna" changed to *Dendrocygna*.
- No. 617-618. "Aythya" changed to *Æthya*.
- No. 755. "Brachyrampus" changed to *Brachyrhamphus*.

the nomenclature of the species, and so numerous have been the accessions to the fauna, that the wants of ornithologists require a new list which shall bring the subject fully up to date. It also appears desirable that an analysis should be given of the principal points of variance, numerical and otherwise, between the list which is herewith presented and that which has for so many years been the standard of reference; while, in order to further increase the utility of the list, a brief review of the revisions of nomenclature which have been adopted, the species added to the fauna, and other matters of like interest, is given under appropriate headings on pages 59-84.

b. Specific names changed.

- No. 5-5 *b.* "unalashkæ" changed to *unalascæ*.
 No. 29. "melanura Lawr." changed to *californica* Brewst.
 No. 137. "caridris" (a purely typographical error) changed to *calidris*.
 No. 235 *a.* "unalashkensis" changed to *unalascensis*.
 No. 346. "yucatanensis (Cabot) Gould" changed to *cerriiventris* Gould.
 No. 351. "pelagica" changed to *pelasgica*.
 No. 377. "fornicivorus (Sw.) Bp." changed to *fornicivorus bairdi* Ridgw.
 No. 543. "fedoa" changed to *fæda*.
 No. 698. "parasiticus (Linn.) Schaeff." changed to *crepidatus* (Banks) Vieill.
 No. 699. "buffoni (Boie) Coues" changed to *parasiticus* (Linn.) Saunders.
 No. 724. "melanai" changed to *melæna*.
 No. 732. "cornutus (Gm.) Kaup" changed to *auritus* (Linn.) Ridgw.
 No. [733]. "auritus (Linn.)" changed to *nigricollis* (Sund.).
 No. 733 *a.* "auritus" changed to *nigricollis*.

c. Corrections of authorities.

- No. 77. "(Gmel.) Bp." changed to Salv. & Godm.
 No. 124. "Bp." changed to Aud.
 No. 126. "Ridgw." changed to Baird.
 No. 127. "Coues" changed to Aud.
 No. 183. "Bp." changed to Coues.
 No. 230 *a.* "B. B. & R." changed to Ridgw.
 No. 231. "Forst." changed to Gmel.
 No. 354. "Bp." and parentheses canceled.
 No. 406. "Linn." changed to (Linn.) Newt.
 No. 517. "(Bonap.) Caban." changed to Bonap.
 No. 594 *a.* "Woodh." changed to Ridgw.
 No. 644. "Ridgw." changed to Sel. & Salv.
 No. 733 *a.* "Lawr." changed to Heerm.

d. English names changed.

- No. 17. *Red-vented Thrasher* changed to *Rufous-vented Thrasher*.
 No. 29. "*Black-capped Gnatcatcher*" changed to *Black-tailed Gnatcatcher*.
 No. 133. *Brasier's Warbler* changed to *Brasher's Warbler*.
 No. 175 *a.* *Gray-headed Rosy Finch* changed to *Hepburn's Rosy Finch*.
 No. 602. *Black Duck* changed to *Black Mallard*.
 No. 603. *Florida Black Duck* changed to *Florida Dusky Duck*.
 No. 626. *Fischer's Eider* changed to *Spectacled Eider*.

Other corrections are chiefly of typographical errors. Those made in the appendix correspond in the main with those of the catalogue, but some important alterations have been made on pages 222, 224, 229, 233, 235, 237, and 238.

The following enumeration contains 226 valid species and recognized races which have either been first described or added to the North American fauna since 1859, while, on the other hand, no less than 42 names of the old catalogue have been relegated to the ranks of synonymy, and 20 more removed as extralimital. Furthermore, of the remaining 698 names over 300 have been more or less emended, so that only 395 of the 769 names as given in the old catalogue are retained in the current nomenclature!

In the present list only those forms which are assumed to be specifically distinct have separate numbers, the subspecies or races being distinguished by a letter of the alphabet (*a, et seq.*, according to the number of subordinate forms) affixed to the species-number. There being 160 names thus subordinated, it therefore follows that the total of this list is 924, an apparent increase of only 164 over the catalogue of 1859, but an actual increase of 226. Briefly summarized, the points of numerical difference between the two lists are as follows:*

	Catalogue of 1859.	Catalogue of 1881.	Apparent increase.
Ostensible number of names.....	738	764	26
Actual number of names.....	764	924	164
Eliminated from catalogue of 1859.....	<i>Synonyms</i> 42	<i>Extralimital</i> 20	<i>Total</i> 62
New forms given in catalogue of 1881.....	<i>Species</i> 127	<i>Subspecies</i> 99	<i>Total</i> 226
Names of the old catalogue, or their equivalents, retained in the new.....	<i>Species</i> 637	<i>Subspecies</i> 61	<i>Total</i> 698

Names in the old catalogue reduced to the rank of races.....	61
Generic names changed (including subsequent subdivisions of genera).....	100
Specific names changed.....	89
Names of the old catalogue retained in nearly or quite their original form.....	395

The geographical limits assigned to this catalogue include the entire continent of North America down to the southern border of the United States; besides Greenland, the peninsula of Lower California, and the outlying islands of Guadalupe and Socorro, the latter in latitude 18° 35', and about 240 miles off the coast of northwestern Mexico, the former in latitude 29°, and 230 miles southwest from San Diego.† Guadalupe and Socorro, like Lower California, are included for the reason that their zoölogical relationships are much closer to North America, as usually (but arbitrarily) restricted, than to the tropical coast-region of western Mexico, their avian fauna in partienlar being decidedly of "Nearetic" affinity, with the exception, so far as known, of only two species—a

* A list of the names which have been changed is given on pages 69-74.

† The longitude of Guadalupe is 118° 20' W., the distance from the nearest point on the mainland being between 90 and 100 miles.

Polyborus peculiar to Guadalupe and a *Conurus* found both in Socorro and in western Mexico. Indeed, the greater part of Mexico itself (all, in fact, except the narrow coast-region, or *tierra caliente*, and the lowlands of the southern portion) belongs, ornithologically as well as geographically, to North America, as might easily be demonstrated did space permit; but the enlargement of our field to its proper limits would be quite impracticable at the present time. For the surrender of this our rightful territory, however, we have compensation in the fact that the arbitrary line which we have drawn (*i. e.*, the United States and Mexican boundary from the Gulf of Mexico to the mouth of the Colorado) gives a comparative stability to the list which a greater southward extension of the area, with indefinite limits, would render impossible. After having thus defined the southern limits of our field, however, we are constrained, by important and carefully considered circumstances, to retain in the list some seven or eight species of Mexican birds treated by Professor Baird in volume ix, Pacific Railroad Reports ("Birds of North America"), and included in the catalogue of 1859. They were all obtained just across the Rio Grande, and therefore it may be deemed perfectly safe to assume that their occasional occurrence on our side of the river is certain, and their capture there merely a question of time. Ten species published by J. P. Giraud* as having been obtained in Texas, but which have not been subsequently recorded from within our limits, are also included, there being every probability of their occurrence there, while Mr. Giraud strenuously maintained, to the day of his death, that they were really collected in that State. Neither are we prepared to relinquish certain Audubonian species which at present are known only from the works of their describer (*e. g.*, *Regulus curvieri*, *Perissoglossa* [?] *carbonata*, *Dendroica* [?] *montana*, and *Myiodiocetes* [?] *minutus*), as well as two well-known species given by Audubon on his own authority* (*Chrysomitris* "*magellanica*" = *C. notata*, and *Eudocimus ruber*), having full confidence, as we do, in his veracity.†

* A Description of Sixteen New Species of North American Birds. By Jacob P. Giraud, jr. New York, George F. Nesbitt printer, Tontine Building, corner of Wall and Water streets. 1841. Folio. Not paged, 8 plates. [For species given in this work which have not since been obtained within the limits of the United States, see p. 75.]

† In several instances where Audubon received his specimens and the particulars relating to them at second hand he was evidently imposed upon—" *Carduelis stanleyi*" (= *Chrysomitris barbata*), *C. yarrelli*, and *Trochilus mango* (= *Lampornis violicauda*), all well-known South American birds, being cases in point. But the birds which we have called special attention to above are all so clearly described and accurately figured that we must either regard them as valid species or, as the only alternative, view

The adoption of trinomials for the designation of nascent species—a direct result of the synthetic method of study which has supplanted the former analytic treatment of the subject—has caused perhaps the greatest difficulty encountered in the compilation of this catalogue, it being in many cases very difficult to decide whether a given form should be treated as having passed the “varietal stage”, and therefore to be designated by a binomial, or whether it is yet incompletely differentiated, and to be subordinated in rank by a trinomial appellation.*

The greatest care has been taken, however, in all doubtful cases of this kind, and previous conclusions (published in “History of North American Birds”† and elsewhere) carefully reconsidered, with the aid of all the material accessible, including many specimens not previously in hand. This reconsideration of the subject has, in not a few cases, resulted in a reversal of former opinion, specimens from important localities not before represented often deciding the point one way or the other. Every form whose characteristics bear unmistakably the im-

them as merely the creation of Audubon's brain and pencil. To do the latter, however, on the purely negative ground that no one else has met with them, seems to us not only a gross injustice to his memory, but, laying aside personal considerations altogether, also a most insecure position to take. The type of *Emberiza* [*Spiza*] *townsendi*, described by Audubon forty-six years ago, remains unique to this day; but since it fortunately exists in an excellent state of preservation, we have, in this case at least, positive evidence of Audubon's good faith. The species may now be extinct, and so may “Cuvier's Kinglet”, the “Carbonated” and “Blue Mountain” Warblers, and the “Small-headed Flycatcher”; but we have very strong faith that these “lost” species will eventually repeat the history of several others which for a long time evaded the closest search, like *Coturniculus lecontei* (Aud.), the type specimen of which was lost, and a second example not obtained until 1869, or twenty-six years after the species was first described and figured, while now it is represented by a greater or less number of specimens in all the principal collections in this country; or *Centronyx bairdi* (Aud.), which passed through even a worse experience, an eminent ornithologist having the good fortune to obtain more than 75 of this species in less than a year after he had “ventured to foretell” that “a second specimen would never be found”! A case among plants is equally suggestive. We refer to the yellow water-lily (*Nymphaea flava*, Leitm.), figured for the first time on one of Audubon's bird-plates. Though a conspicuous and easily recognized species, it remained otherwise unknown to botanists, and even snubbed by some, until within a very few years past, when it was rediscovered in Florida (its original station) by the well-known lady botanist Mrs. Mary Treat, who published her discovery, and thus effectually vindicated the great naturalist, in Harper's Magazine (vol. v, p. 335).

* It should not be inferred from our remarks in this connection that we find the use of trinomials inconvenient in practical application. On the contrary, no other method seems at all adequate to the proper discrimination between isolated and intergrading forms, and the difficulty in the cases above alluded to arises wholly from the want of sufficient material to decide the question of intergradation or the contrary.

† A History of North American Birds. By S. F. Baird, T. M. Brewer, and R. Ridgway. Land Birds. Illustrated by 64 colored plates and 593 woodcuts. 3 vols., royal 4to. Boston, Little, Brown, & Co. 1874.

press of climatic or local influences, gradually less marked toward the habitat of another form, with which it thus intergrades, and all forms which certainly intergrade, no matter how widely distinct the opposite extremes may appear (*e. g.*, *Colaptes auratus*, and *C. mexicanus*, and the different races of *Passerella*), together with intergrading forms whose peculiarities are not explained by any known "law" of variation, have been reduced to subspecific rank. On the other hand, where the difference between allied forms is slight, but at the same time apparently constant, and not necessarily coincident with a difference of habitat (*e. g.*, certain of the small Thrushes and the various forms of *Junco*), specific rank is upheld. There are some forms which future investigation, based upon adequate material, may decide to be of different rank from that accorded them here. We cheerfully acknowledge our fallibility, but at the same time would say that we have endeavored to be as consistent as possible, giving the rank of each form as it appears in the light of our present knowledge, independent of previous conclusions.

CATALOGUE.

[The numbers in brackets are those used in the Smithsonian Catalogue of 1859.]

1. **HYLOCICHLA MUSTELINA** (GMEL.) BAIRD.
Wood Thrush. [148.]
2. **HYLOCICHLA FUSCESCENS** (STEPH.) BAIRD.
Wilson's Thrush. [151.]
3. **HYLOCICHLA ALICIEÆ** BAIRD.
Gray-cheeked Thrush. [154.]
4. **HYLOCICHLA USTULATA** (NUTT.) BAIRD.
Russet-backed Thrush. [152.]
- 4a. **HYLOCICHLA USTULATA SWAINSONI** (CABAN.) RIDGW.
Olive-backed Thrush. [153.]
5. **HYLOCICHLA UNALASCÆ** (GMEL.) RIDGW.
Dwarf Thrush. [150.]
- 5a. **HYLOCICHLA UNALASCÆ AUDUBONI** (BAIRD) RIDGW.
Rocky Mountain Hermit Thrush. [149a.]
- 5b. **HYLOCICHLA UNALASCÆ PALLASI** (CABAN.) RIDGW.
Hermit Thrush. [149.]
- [6.] **TURDUS ILIACUS** LINN.
Red-wing Thrush.
7. **MERULA MIGRATORIA** (LINN.) SW. & RICH.
American Robin. [155.]
- 7a. **MERULA MIGRATORIA PROPINQUA** RIDGW.
Western Robin.
8. **MERULA CONFINIS** (BAIRD) RIDGW.
Saint Lucas Robin.
9. **HESPEROCICHLA NÆVIA** (GMEL.) BAIRD.
Varied Robin. [156.]
10. **OREOSCOPTES MONTANUS** (TOWNS.) BAIRD.
Sage Thrasher. [255.]
11. **MIMUS POLYGLOTTUS** (LINN.) BOIE.
Mockingbird. [253, 253a.]

12. **GALEOSOPTES CAROLINENSIS** (LINN.) CABAN.
Catbird. [254.]
13. **HARPORHYNCHUS RUFUS** (LINN.) CABAN.
Brown Thrasher. [261, 261 a.]
- 13 a. **HARPORHYNCHUS RUFUS LONGIROSTRIS** (LAFR.) COUES.
Mexican Brown Thrasher. [260.]
14. **HARPORHYNCHUS CINEREUS** XANTUS.
Saint Lucas Thrasher.
- 14 a. **HARPORHYNCHUS CINEREUS BENDIREI** (COUES) HENSH.
Bendire's Thrasher.
15. **HARPORHYNCHUS CURVIROSTRIS** (SW.) CABAN.
Curve-billed Thrasher. [259, 259 a.]
- 15 a. **HARPORHYNCHUS CURVIROSTRIS PALMERI** RIDGW.
Palmer's Thrasher.
16. **HARPORHYNCHUS REDIVIVUS** (GAMB.) CABAN.
Californian Thrasher. [256.]
- 16 a. **HARPORHYNCHUS REDIVIVUS LECONTEI** (LAWR.) COUES.
Leconte's Thrasher. [257.]
17. **HARPORHYNCHUS CRISSALIS** HENRY.
Rufous-vented Thrasher. [258.]
18. **HARPORHYNCHUS GRAYSONI** BAIRD.
Socorro Thrasher.
19. **CINCLUS MEXICANUS** SWAINS.
American Water Ouzel. [164.]
- [20.] **CYANECULA SUECICA** (LINN.) BREHM.
Blue-throated Warbler.
- [21.] **SAXICOLA CENANTHE** (LINN.) BECHST.
Stone Chat. [157.]
22. **SIALIA SIALIS** (LINN.) HALDEM.
Bluebird. [158.]
23. **SIALIA MEXICANA** SWAINS.
Californian Bluebird. [159.]
24. **SIALIA ARCTICA** SWAINS.
Rocky Mountain Bluebird. [160.]
25. **MYIADESTES TOWNSENDI** (AUD.) CABAN.
Townsend's Solitaire. [235.]
26. **PHAINOPEPLA NITENS** (SW.) SCL.
Black-crested Flycatcher. [234.]
27. **POLIOPTILA CÆRULEA** (LINN.) SCL.
Blue-gray Gnatcatcher. [232.]

28. **POLIOPTILA PLUMBEA** BAIRD.
Plumbeous Gnatcatcher. [283.]
29. **POLIOPTILA CALIFORNICA** BREWST.
Black-tailed Gnatcatcher. [284.]
30. **REGULUS CALENDULA** (LINN.) LIGHT.
Ruby-crowned Kinglet. [161.]
31. **REGULUS OBSCURUS** RIDGW.
Dusky Kinglet.
32. **REGULUS CUVIERI** AUD.
Cuvier's Kinglet. [163.]
33. **REGULUS SATRAPA** LIGHT.
Golden-crowned Kinglet. [162.]
- 33a. **REGULUS SATRAPA OLIVACEUS** BAIRD.
Western Golden-crowned Kinglet.
- [34.] **PHYLLOSCOPUS BOREALIS** (BLAS.) DRESSER.
Kennicott's Warbler.
35. **CHAMÆA FASCIATA** GAMB.
Ground Tit. [274.]
36. **LOPHOPHANES BICOLOR** (LINN.) BP.
Tufted Titmouse. [285.]
37. **LOPHOPHANES ATROCRISTATUS** CASS.
Black-crested Titmouse. [286.]
38. **LOPHOPHANES INORNATUS** (GAMB.) CASS.
Plain Titmouse. [287.]
39. **LOPHOPHANES WOLLWEBERI** BONAP.
Wollweber's Titmouse. [288.]
40. **PARUS MONTANUS** GAMB.
Mountain Chickadee. [294.]
41. **PARUS ATRICAPILLUS** LINN.
Black-capped Chickadee. [290.]
- 41a. **PARUS ATRICAPILLUS SEPTENTRIONALIS** (HARRIS) ALLEN.
Long-tailed Chickadee. [289, 289a.]
- 41b. **PARUS ATRICAPILLUS OCCIDENTALIS** (BAIRD) COUES.
Oregon Chickadee. [291.]
42. **PARUS CAROLINENSIS** AUD.
Carolina Chickadee. [293.]
43. **PARUS MERIDIONALIS** SCL.
Mexican Chickadee. [292.]
- [44.] **PARUS CINCTUS** BODD.
Siberian Chickadee.

45. **PARUS HUDSONICUS** FORST.
Hudsonian Chickadee. [296.]
46. **PARUS RUFESCENS** TOWNS.
Chestnut-backed Chickadee. [295.]
- 46a. **PARUS RUFESCENS NEGLECTUS** RIDGW.
Californian Chickadee.
47. **PSALTRIPARUS MINIMUS** (TOWNS.) BP.
Least Tit. [298.]
48. **PSALTRIPARUS PLUMBEUS** BAIRD.
Lead-colored Tit. [299.]
49. **PSALTRIPARUS MELANOTIS** (HARTL.) BP.
Black-eared Tit. [297.]
50. **AURIPARUS FLAVICEPS** (SUNDEV.) BAIRD.
Yellow-headed Tit. [300.]
51. **SITTA CAROLINENSIS** GMEL.
White-bellied Nuthatch. [277.]
- 51a. **SITTA CAROLINENSIS ACULEATA** (CASS.) ALLEN.
Slender-billed Nuthatch. [278.]
52. **SITTA CANADENSIS** LINN.
Red-bellied Nuthatch. [279.]
53. **SITTA PUSILLA** LATH.
Brown-headed Nuthatch. [280.]
54. **SITTA PYGMÆA** VIG.
Pigmy Nuthatch. [281.]
55. **CERTHIA FAMILIARIS RUF A** (BARTR.) RIDGW.
Brown Creeper. [275.]
- 55a. **CERTHIA FAMILIARIS MEXICANA** (GLOGER) RIDGW.
Mexican Creeper. [276.]
56. **CAMPYLORHYNCHUS BRUNNEICAPILLUS** (LAFR.) GRAY.
Cactus Wren. [262.]
57. **CAMPYLORHYNCHUS AFFINIS** XANTUS.
Saint Lucas Cactus Wren.
58. **SALPINCTES OBSOLETUS** (SAY) CABAN.
Rock Wren. [264.]
- 58a. **SALPINCTES OBSOLETUS GUADALUPENSIS** RIDGW.
Guadalupe Rock Wren.
59. **CATHERPES MEXICANUS** (SW.) BAIRD.
Mexican White-throated Wren. [263.]
- 59a. **CATHERPES MEXICANUS CONSPERSUS** RIDGW.
White-throated Wren.

60. **THRYOTHORUS LUDOVICIANUS** (GM.) BP.
Carolina Wren. [265.]
- 60 a. **THRYOTHORUS LUDOVICIANUS BERLANDIERI** (COUCH) COUES.
Berlandier's Wren. [266.]
- 60 b. **THRYOTHORUS LUDOVICIANUS MIAMENSIS** RIDGW.
Florida Wren.
61. **THRYOMANES BEWICKI** (AUD.) BAIRD.
Bewick's Wren. [267.]
- 61 a. **THRYOMANES BEWICKI SPILURUS** (VIG.) BAIRD.
Californian Bewick's Wren.
- 61 b. **THRYOMANES BEWICKI LEUCOGASTER** BAIRD.
Texan Bewick's Wren.
62. **THRYOMANES BREVICAUDA** RIDGW.
Guadalupe Wren.
63. **TROGLODYTES AEDON** VIEILL.
House Wren. [270, 272.]
- 63 a. **TROGLODYTES AEDON PARKMANNI** (AUD.) COUES.
Western House Wren. [271.]
64. **TROGLODYTES INSULARIS** BAIRD.
Socorro Wren.
65. **ANORTHURA TROGLODYTES HYEMALIS** (VIEILL.) COUES.
Winter Wren. [273.]
- 65 a. **ANORTHURA TROGLODYTES PACIFICUS** (BAIRD) RIDGW.
Western Winter Wren.
66. **ANORTHURA ALASCENSIS** (BAIRD) COUES.
Alaskan Wren.
67. **TELMATODYTES PALUSTRIS** (WILS.) BAIRD.
Long-billed Marsh Wren. [268.]
- 67 a. **TELMATODYTES PALUSTRIS PALUDICOLA** BAIRD
Tule Wren.
68. **CISTOTHORUS STELLARIS** (LICHT.) CABAN.
Short-billed Marsh Wren. [269.]
- [69.] **MOTACILLA ALBA** LINN.
White Wagtail.
- [70.] **BUDYTES FLAVA** (LINN.) GRAY.
Yellow Wagtail.
71. **ANTHUS LUDOVICIANUS** (GM.) LICHT.
American Titlark. [165.]
- [72.] **ANTHUS PRATENSIS** (LINN.) BECHST.
European Titlark.

73. **NEOCORYS SPRAGUEI** (AUD.) SCL.
Sprague's Titlark. [166.]
74. **MNIOTILTA VARIA** (LINN.) VIEILL.
Black-and-white Creeper. [167 a.]
- 74a. **MNIOTILTA VARIA BOREALIS** (NUTT.) RIDGW.
Small-billed Creeper. [167.]
75. **PROTONOTARIA CITREA** (BODD.) BAIRD.
Prothonotary Warbler. [169.]
76. **HELONÆA SWAINSONI** AUD.
Swainson's Warbler. [179.]
77. **HELMINTHOTHERUS VERMIVORUS** (GMEL.) SALV. & GODM.
Worm-eating Warbler. [178.]
78. **HELMINTHOPHAGA BACHMANI** (AUD.) CABAN.
Bachman's Warbler. [182.]
79. **HELMINTHOPHAGA PINUS** (LINN.) BAIRD.
Blue-winged Yellow Warbler. [180.]
80. **HELMINTHOPHAGA LAWRENCEI** HERRICK.
Lawrence's Warbler.
81. **HELMINTHOPHAGA CHRYSOPTERA** (LINN.) BAIRD.
Golden-winged Warbler. [181.]
82. **HELMINTHOPHAGA LEUCOBRONCHIALIS** BREWSTER.
White-throated Warbler.
83. **HELMINTHOPHAGA LUCIÆ** COOPER.
Lucy's Warbler.
84. **HELMINTHOPHAGA VIRGINIÆ** BAIRD.
Virginia's Warbler. [183a.]
85. **HELMINTHOPHAGA RUFICAPILLA** (WILS.) BAIRD.
Nashville Warbler. [183.]
86. **HELMINTHOPHAGA CELATA** (SAY) BAIRD.
Orange-crowned Warbler. [184.]
- 86a. **HELMINTHOPHAGA CELATA LUTESCENS** RIDGW.
Lutescent Warbler.
87. **HELMINTHOPHAGA PEREGRINA** (WILS.) BAIRD
Tennessee Warbler. [185.]
88. **PARULA AMERICANA** (LINN.) BP.
Blue Yellow-backed Warbler. [168.]
89. **PARULA PITIAYUMI INSULARIS** (LAWR.) RIDGW.
Socorro Warbler.
- 89a. **PARULA PITIAYUMI NIGRILORA** COUES.
Sennett's Warbler.

90. **PERISSOGLOSSA TIGRINA** (GMEL.) BAIRD.
Cape May Warbler. [206.]
91. **PERISSOGLOSSA CARBONATA** (AUD.) BAIRD.
Carbonated Warbler. [207.]
92. **PEUCEDRAMUS OLIVACEUS** (GIRAUD) COUES.
Olive-headed Warbler.
93. **DENDRÆCA ÆSTIVA** (GMEL.) BAIRD.
Summer Yellow Bird. [203.]
94. **DENDRÆCA CÆRULESCENS** (LINN.) BAIRD.
Black-throated Blue Warbler. [193.]
95. **DENDRÆCA CORONATA** (LINN.) GRAY.
Yellow-rump Warbler. [194.]
96. **DENDRÆCA AUDUBONI** (TOWNS.) BAIRD.
Audubon's Warbler. [195.]
97. **DENDRÆCA MACULOSA** (GMEL.) BAIRD.
Black-and-yellow Warbler. [204.]
98. **DENDRÆCA CÆRULEA** (WILS.) BAIRD.
Cerulean Warbler. [201.]
99. **DENDRÆCA PENNSYLVANICA** (LINN.) BAIRD.
Chestnut-sided Warbler. [200.]
100. **DENDRÆCA CASTANEA** (WILS.) BAIRD.
Bay-breasted Warbler. [197.]
101. **DENDRÆCA STRIATA** (FORST.) BAIRD.
Black-poll Warbler. [202.]
102. **DENDRÆCA BLACKBURNIÆ** (GM.) BAIRD.
Blackburnian Warbler. [196.]
103. **DENDRÆCA DOMINICA** (LINN.) BAIRD.
Yellow-throated Warbler. [209.]
- 103a. **DENDRÆCA DOMINICA ALBILORA** BAIRD.
White-browed Yellow-throated Warbler.
104. **DENDRÆCA GRACIÆ** COUES.
Grace's Warbler.
105. **DENDRÆCA NIGRESCENS** (TOWNS.) BAIRD.
Black-throated Gray Warbler. [192.]
106. **DENDRÆCA CHRYSOPARIA** SCL. & SALV.
Golden-cheeked Warbler.
107. **DENDRÆCA VIRENS** (GMEL.) BAIRD.
Black-throated Green Warbler. [189.]
108. **DENDRÆCA TOWNSENDI** (NUTT.) BAIRD.
Townsend's Warbler. [191.]

109. **DENDRÆCA OCCIDENTALIS** (TOWNS.) BAIRD.
Hermit Warbler. [190.]
110. **DENDRÆCA KIRTLANDI** BAIRD.
Kirtland's Warbler. [205.]
111. **DENDRÆCA PINUS** (WILS.) BAIRD.
Pine-creeping Warbler. [198.]
112. **DENDRÆCA MONTANA** (WILS.) BAIRD.
Blue Mountain Warbler. [199.]
113. **DENDRÆCA PALMARUM** (GMEL.) BAIRD.
Red-poll Warbler. [208.]
- 113*a*. **DENDRÆCA PALMARUM HYPOCHRYSEA** RIDGW.
Yellow Red-poll Warbler.
114. **DENDRÆCA DISCOLOR** (VIEILL.) BAIRD.
Prairie Warbler. [210.]
115. **SIURUS AURICAPILLUS** (LINN.) SWAINS.
Golden-crowned Thrush. [186.]
116. **SIURUS NÆVIUS** (BODD.) COUES.
Small-billed Water Thrush. [187.]
- 116*a*. **SIURUS NÆVIUS NOTABILIS** GRINNELL.
Grinnell's Water Thrush.
117. **SIURUS MOTACILLA** (VIEILL.) COUES.
Large-billed Water Thrush. [188.]
118. **OPORORNIS AGILIS** (WILS.) BAIRD.
Connecticut Warbler. [174.]
119. **OPORORNIS FORMOSA** (WILS.) BAIRD.
Kentucky Warbler. [175.]
120. **GEOThLYPIS PHILADELPHIA** (WILS.) BAIRD.
Mourning Warbler. [172.]
121. **GEOThLYPIS MACGILLIVRAYI** (AUD.) BAIRD.
Macgillivray's Warbler. [173.]
122. **GEOThLYPIS TRICHAS** (LINN.) CABAN.
Maryland Yellow-throat. [170.]
123. **ICTERIA VIRENS** (LINN.) BAIRD.
Yellow-breasted Chat. [176.]
- 123*a*. **ICTERIA VIRENS LONGICAUDA** (LAWR.) COUES.
Long-tailed Chat. [177.]
124. **MYIODIOCTES MITRATUS** (GMEL.) AUD.
Hooded Warbler. [211.]
125. **MYIODIOCTES PUSILLUS** (WILS.) BP.
Black-capped Yellow Warbler. [213.]

- 125a. **MYIODIOCTES PUSILLUS PILEOLATUS** (PALL.) RIDGW.
Pileolated Warbler.
126. **MYIODIOCTES MINUTUS** (WILS.) BAIRD.
Small-headed Flycatcher. [212.]
127. **MYIODIOCTES CANADENSIS** (LINN.) AUD.
Canadian Flycatching Warbler. [214, 215.]
128. **SETOPHAGA RUTICILLA** (LINN.) SWAINS.
American Redstart. [217.]
129. **SETOPHAGA PICTA** SWAINS.
Painted Redstart. [218.]
130. **SETOPHAGA MINIATA** SWAINS.
Red-bellied Redstart. [219]
131. **CARDELLINA RUBRIFRONS** (GIRAUD) SCL.
Red-faced Warbler.
132. **ERGATICUS RUBER** (SWAINS.) BAIRD.
Red Warbler. [216.]
133. **BASILEUTERUS CULICIVORUS** (LICHT.) BONAP.
Brasher's Warbler.
134. **BASILEUTERUS BELLI** (GIRAUD) SCL.
Bell's Warbler.
135. **VIREOSYLVA OLIVACEA** (LINN.) BONAP.
Red-eyed Vireo. [240.]
136. **VIREOSYLVA AGILIS FLAVO-VIRIDIS** (CASS.) RIDGW.
Yellow-green Vireo. [241.]
137. **VIREOSYLVA CALIDRIS BARBATULA** (CABAN.) RIDGW.
Black-whiskered Vireo. [243.]
138. **VIREOSYLVA PHILADELPHICA** CASS.
Philadelphia Vireo. [244.]
139. **VIREOSYLVA GILVA** (VIEILL.) CASS.
Warbling Vireo. [245.]
- 139a. **VIREOSYLVA GILVA SWAINSONI** BAIRD.
Western Warbling Vireo.
140. **LANIVIREO FLAVIFRONS** (VIEILL.) BAIRD.
Yellow-throated Vireo. [252.]
141. **LANIVIREO SOLITARIUS** (VIEILL.) BAIRD.
Blue-headed Vireo. [250.]
- 141a. **LANIVIREO SOLITARIUS CASSINI** (XANTUS) RIDGW.
Cassin's Vireo. [251.]
- 141b. **LANIVIREO SOLITARIUS PLUMBEUS** (COUES) ALL.
Plumbeous Vireo.

142. **VIREO ATRICAPILLUS** WOODH.
Black-capped Vireo. [247.]
143. **VIREO NOVEBORACENSIS** (GMEL.) BP.
White-eyed Vireo. [248.]
144. **VIREO HUTTONI** CASS.
Hutton's Vireo. [249.]
145. **VIREO BELLI** AUD.
Bell's Vireo. [246.]
146. **VIREO PUSILLUS** COUES.
Least Vireo.
147. **VIREO VICINIOR** COUES.
Gray Vireo.
148. **LANIUS BOREALIS** VIEILL.
Great Northern Shrike. [236.]
149. **LANIUS LUDOVICIANUS** LINN.
Loggerhead Shrike. [237.]
- 149a. **LANIUS LUDOVICIANUS EXCUBITORIDES** (SW.) COUES.
White-rumped Shrike. [238.]
- 149b. **LANIUS LUDOVICIANUS ROBUSTUS** BAIRD.
Large-billed Shrike.
150. **AMPELIS GARRULUS** LINN.
Northern Wax-wing. [232.]
151. **AMPELIS CEDRORUM** (VIEILL.) BAIRD.
Cedar Wax-wing. [233.]
152. **PROGNE SUBIS** (LINN.) BAIRD.
Purple Martin. [231.]
- 152a. **PROGNE SUBIS CRYPTOLEUCA** BAIRD.
Cuban Martin. [231 a.]
153. **PETROCHELIDON LUNIFRONS** (SAY) LAWR.
Cliff Swallow. [226.]
154. **HIRUNDO ERYTHROGASTRA** BODD.
Barn Swallow. [225.]
155. **TACHYCNETA BICOLOR** (VIEILL.) CABAN.
White-bellied Swallow. [227.]
156. **TACHYCNETA THALASSINA** (SWAINS.) CABAN.
Violet-green Swallow. [228.]
157. **COTILE RIPARIA** (LINN.) BOIE.
Bank Swallow. [229.]
158. **STELGIDOPTERYX SERRIPENNIS** (AUD.) BAIRD.
Rough-winged Swallow. [230.]

159. **CERTHIOLA BAHAMENSIS** REICHENB.
Bahaman Honey Creeper. [301.]
160. **EUPHONIA ELEGANTISSIMA** (BP.) GRAY.
Blue-headed Euphonia. [224.]
161. **PYRANGA RUBRA** (LINN.) VIEILL.
Scarlet Tanager. [220.]
162. **PYRANGA LUDOVICIANA** (WILS.) BP.
Western Tanager. [223.]
163. **PYRANGA HEPATICA** SWAINS.
Hepatic Tanager. [222.]
164. **PYRANGA ÆSTIVA** (LINN.) VIEILL.
Summer Redbird. [221.]
- 164a. **PYRANGA ÆSTIVA COOPERI** RIDGW.
Cooper's Tanager.
165. **HESPERIPHONA VESPERTINA** (COOPER) BP.
Evening Grosbeak. [303.]
166. **PINICOLA ENUCLEATOR** (LINN.) VIEILL.
Pine Grosbeak. [304.]
- [167.] **PYRRHULA CASSINI** BAIRD.
Alaskan Bullfinch.
168. **CARPODACUS PURPUREUS** (GM.) BAIRD.
Purple Finch. [305.]
- 168a. **CARPODACUS PURPUREUS CALIFORNICUS** BAIRD.
Californian Purple Finch. [306.]
169. **CARPODACUS CASSINI** BAIRD.
Cassin's Purple Finch. [307.]
170. **CARPODACUS FRONTALIS** (SAY) GRAY.
House Finch. [308.]
- 170a. **CARPODACUS FRONTALIS RHODOCOLPUS** (CABAN.) RIDGW.
Crimson House Finch.
171. **CARPODACUS AMPLUS** RIDGW.
Guadalupe House Finch.
172. **LOXIA CURVIROSTRA AMERICANA** (WILS.) COUES.
American Crossbill. [318.]
- 172a. **LOXIA CURVIROSTRA MEXICANA** (STRICKL.) BAIRD.
Mexican Crossbill. [318a.]
173. **LOXIA LEUCOPTERA** GM.
White-winged Crossbill. [319.]
174. **LEUCOSTICTE GRISEINUCHA** (BRANDT) BAIRD.
Aleutian Rosy Finch. [323.]

175. **LEUCOSTICTE TEPHROCOTIS** SWAINS.
Gray-crowned Rosy Finch. [322.]
- 175a. **LEUCOSTICTE TEPHROCOTIS LITTORALIS** (BAIRD) COUES.
Hepburn's Rosy Finch.
176. **LEUCOSTICTE ATRATA** RIDGW.
Black Rosy Finch.
177. **LEUCOSTICTE AUSTRALIS** ALLEN.
Brown-capped Rosy Finch.
178. **ÆGIOTHUS CANESCENS** GOULD.
Mealy Redpoll. [321.]
- 178a. **ÆGIOTHUS CANESCENS EXILIPES** (COUES) RIDGW.
White-rumped Redpoll.
179. **ÆGIOTHUS LINARIA** (LINN.) CABAN.
Common Redpoll. [320.]
- 179a. **ÆGIOTHUS LINARIA HOLBOLLI** (BREHM) RIDGW.
Greater Redpoll.
180. **ÆGIOTHUS BREWSTERI** RIDGW.
Brewster's Linnet.
181. **ASTRAGALINUS TRISTIS** (LINN.) CAB.
American Goldfinch. [313.]
182. **ASTRAGALINUS PSALTRIA** (SAY) COUES.
Green-backed Goldfinch. [314.]
- 182a. **ASTRAGALINUS PSALTRIA ARIZONÆ** COUES.
Arizona Goldfinch. [315.]
- 182b. **ASTRAGALINUS PSALTRIA MEXICANUS** (SW.) COUES.
Mexican Goldfinch.
183. **ASTRAGALINUS LAWRENCHI** (CASS.) COUES.
Lawrence's Goldfinch. [316.]
184. **CHRYSOMITRIS NOTATA** (DU BUS) BP.
Black-headed Goldfinch. [310.]
185. **CHRYSOMITRIS PINUS** (WILS.) BP.
Pine Goldfinch. [317.]
186. **PLECTROPHANES NIVALIS** (LINN.) MEYER.
Snow Bunting. [325.]
187. **CENTROPHANES LAPPONICUS** (LINN.) CABAN.
Lapland Longspur. [326.]
188. **CENTROPHANES PICTUS** (SWAINS.) CABAN.
Smith's Longspur. [327.]
189. **CENTROPHANES ORNATUS** (TOWNS.) CABAN.
Chestnut-collared Longspur. [328, 329.]

190. **REYNCHOPHANES MACCOWNI** (LAWR.) BAIRD
McCown's Longspur. [330.]
191. **CENTRONYX BAIRDI** (AUD.) BAIRD.
Baird's Bunting. [331.]
192. **PASSERCULUS PRINCEPS** MAYNARD.
Ipswich Sparrow.
193. **PASSERCULUS SANDWICHENSIS** (GMEL.) BAIRD.
Sandwich Sound Sparrow. [333.]
- 193a. **PASSERCULUS SANDWICHENSIS SAVANNA** (WILS.) RIDGW.
Savannah Sparrow. [332.]
- 193b. **PASSERCULUS SANDWICHENSIS ALAUDINUS** (BP.) RIDGW.
Western Savannah Sparrow. [335.]
194. **PASSERCULUS ANTHINUS** BONAP.
Titlark Sparrow. [334.]
195. **PASSERCULUS GUTTATUS** LAWR.
Saint Lucas Sparrow.
196. **PASSERCULUS ROSTRATUS** (CASS.) BAIRD.
Large-billed Sparrow. [336.]
197. **POECETES GRAMINEUS** (GM.) BAIRD.
Grass Finch. [337.]
- 197a. **POECETES GRAMINEUS CONFINIS** BAIRD.
Western Grass Finch.
198. **COTURNICULUS PASSERINUS** (WILS.) BP.
Yellow-winged Sparrow. [338.]
- 198a. **COTURNICULUS PASSERINUS PERPALLIDUS** RIDGW.
Western Yellow-winged Sparrow
199. **COTURNICULUS HENSLOWI** (AUD.) BP.
Henslow's Sparrow. [339.]
200. **COTURNICULUS LECONTEI** (AUD.) BP.
Leconte's Sparrow. [340.]
201. **AMMODROMUS CAUDACUTUS** (GM.) SWAINS.
Sharp-tailed Finch. [341.]
- 201a. **AMMODROMUS CAUDACUTUS NELSONI** ALLEN.
Nelson's Sharp-tailed Finch.
202. **AMMODROMUS MARITIMUS** (WILS.) SWAINS.
Sea-side Finch. [342.]
203. **AMMODROMUS NIGRESCENS** RIDGW.
Black-and-white Sea-side Finch.
204. **CHONDESTES GRAMMICA** (SAY) BP.
Lark Finch. [344.]

- 204a. **CHONDESTES GRAMMICA STRIGATA** (Sw.) RIDGW.
Western Lark Finch.
205. **ZONOTRICHIA QUERULA** (NUTT.) GAMB.
Harris's Sparrow. [348.]
206. **ZONOTRICHIA LEUCOPHRYS** (FORST.) SWAINS.
White-crowned Sparrow. [345.]
207. **ZONOTRICHIA GAMBELI** (NUTT.) GAMB.
Gambel's White-crowned Sparrow.
- 207a. **ZONOTRICHIA GAMBELI INTERMEDIA** RIDGW.
Intermediate White-crowned Sparrow. [346.]
208. **ZONOTRICHIA CORONATA** (PALL.) BAIRD.
Golden-crowned Sparrow. [347.]
209. **ZONOTRICHIA ALBICOLLIS** (GM.) BP.
White-throated Sparrow. [349.]
210. **SPIZELLA MONTANA** (FORST.) RIDGW.
Tree Sparrow. [357.]
211. **SPIZELLA DOMESTICA** (BARTR.) COUES.
Chipping Sparrow. [359.]
- 211a. **SPIZELLA DOMESTICA ARIZONÆ** (COUES) RIDGW.
Western Chipping Sparrow.
212. **SPIZELLA PALLIDA** (Sw.) BP.
Clay-colored Sparrow. [360.]
213. **SPIZELLA BREWERI** CASS.
Brewer's Sparrow. [361.]
214. **SPIZELLA PUSILLA** (WILS.) BP.
Field Sparrow. [358.]
215. **SPIZELLA ATRIGULARIS** (CABAN.) BD.
Black-chinned Sparrow. [362.]
216. **JUNCO AIKENI** RIDGW.
White-winged Snowbird.
217. **JUNCO HYEMALIS** (LINN.) SCL.
Black Snowbird. [354.]
218. **JUNCO OREGONUS** (TOWNS.) SCL.
Oregon Snowbird. [352.]
219. **JUNCO ANNECTENS** BAIRD.
Pink-sided Snowbird.
220. **JUNCO CANICEPS** (WOODH.) BAIRD.
Gray-headed Snowbird. [353.]
221. **JUNCO DORSALIS** HENRY.
Red-backed Snowbird. [351.]

222. **JUNCO CINEREUS** (SWAINS.) CABAN.
Mexican Snowbird. [350.]
223. **JUNCO INSULARIS** RIDGW.
Guadalupe Snowbird.
224. **AMPHISPIZA BILINEATA** (CASS.) COUES.
Black-throated Sparrow. [355.]
225. **AMPHISPIZA BELLI** (CASS.) COUES.
Bell's Sparrow. [356.]
- 225a. **AMPHISPIZA BELLI NEVADENSIS** RIDGW.
Sagebrush Sparrow.
226. **PEUCÆA ÆSTIVALIS** (LICHT.) CABAN.
Bachman's Finch. [370.]
- 226a. **PEUCÆA ÆSTIVALIS ILLINOENSIS** RIDGW.
Oak-woods Sparrow.
227. **PEUCÆA ARIZONÆ** RIDGW.
Arizona Sparrow.
228. **PEUCÆA CASSINI** (WOODH.) BAIRD.
Cassin's Sparrow. [371.]
229. **PEUCÆA CARPALIS** COUES.
Rufous-winged Sparrow.
230. **PEUCÆA RUFICEPS** (CASS.) BAIRD.
Rufous-crowned Sparrow. [372.]
- 230a. **PEUCÆA RUFICEPS BOUCARDI** (SCL.) RIDGW.
Boucard's Sparrow.
231. **MELOSPIZA FASCIATA** (GMEL.) SCOTT.
Song Sparrow. [363.]
- 231a. **MELOSPIZA FASCIATA FALLAX** BAIRD.
Mountain Song Sparrow. [367.]
- 231b. **MELOSPIZA FASCIATA HEERMANNI** BAIRD.
Heermann's Song Sparrow. [364.]
- 231c. **MELOSPIZA FASCIATA SAMUELIS** BAIRD.
Californian Song Sparrow. [343, 365.]
- 231d. **MELOSPIZA FASCIATA GUTTATA** (NUTT.) BAIRD.
Rusty Song Sparrow. [366.]
- 231e. **MELOSPIZA FASCIATA RUFINA** (BRANDT) BAIRD.
Sooty Song Sparrow.
232. **MELOSPIZA CINEREA** (GM.) RIDGW.
Aleutian Song Sparrow.
233. **MELOSPIZA PALUSTRIS** (WILS.) BAIRD.
Swamp Sparrow. [369.]

234. **MELOSPIZA LINCOLNI** (AUD.) BAIRD.
Lincoln's Finch. [368.]
235. **PASSERELLA ILIACA** (MERREM) SW.
Fox-colored Sparrow. [374.]
- 235 a. **PASSERELLA ILIACA UNALASCENSIS** (GM.) RIDGW.
Townsend's Sparrow. [375.]
- 235 b. **PASSERELLA ILIACA MEGARHYNCHA** (BAIRD) RIDGW.
Thick-billed Sparrow. [376 a.]
- 235 c. **PASSERELLA ILIACA SCHISTACEA** (BAIRD) ALLEN.
Slate-colored Sparrow. [376.]
236. **EMBERNAGRA RUFIVIRGATA** LAWR.
Texas Sparrow. [373.]
237. **PIPILO ERYTHROPHthalmus** (LINN.) VIEILL.
Chewink; Towhee. [391.]
- 237 a. **PIPILO ERYTHROPHthalmus ALLENI** COUES.
Florida Towhee.
238. **PIPILO MACULATUS ARCTICUS** (SWAINS.) COUES.
Northern Towhee. [393.]
- 238 a. **PIPILO MACULATUS MEGALONYX** (BAIRD) COUES.
Spurred Towhee. [394.]
- 238 b. **PIPILO MACULATUS OREGONUS** (BELL) COUES.
Oregon Towhee. [392.]
- 238 c. **PIPILO MACULATUS CONSOBRINUS** RIDGW.
Guadalupe Towhee.
- 238 d. **PIPILO MACULATUS CARMANI** BAIRD.
Socorro Towhee.
239. **PIPILO CHLORURUS** (TOWNS.) BAIRD.
Green-tailed Towhee. [398.]
240. **PIPILO FUSCUS MESOLEUCUS** (BAIRD) RIDGW.
Cañon Towhee. [397.]
- 240 a. **PIPILO FUSCUS ALBIGULA** (BAIRD) COUES.
Saint Lucas Brown Towhee.
- 240 b. **PIPILO FUSCUS CRISSALIS** (VIG.) COUES.
Californian Brown Towhee. [396.]
241. **PIPILO ABERTI** BAIRD.
Abert's Towhee. [395.]
242. **CARDINALIS VIRGINIANUS** (BRISS.) BP.
Cardinal Grosbeak. [390.]
- 242 a. **CARDINALIS VIRGINIANUS IGNEUS** (BAIRD) COUES.
Saint Lucas Cardinal.

243. **PYRRHULOXIA SINUATA** BONAP.
Texan Cardinal. [389.]
244. **ZAMELODIA LUDOVICIANA** (LINN.) COUES.
Rose-breasted Grosbeak. [380.]
245. **ZAMELODIA MELANOCEPHALA** (SWAINS.) COUES.
Black-headed Grosbeak. [381.]
246. **GUIRACA CÆRULEA** (LINN.) SWAINS.
Blue Grosbeak. [382.]
247. **PASSERINA PARELLINA** (BP.) RIDGW.
Blue Bunting. [383.]
248. **PASSERINA CYANEA** (LINN.) GRAY.
Indigo Bunting. [387.]
249. **PASSERINA AMCENA** (SAY) GRAY.
Lazuli Bunting. [386.]
250. **PASSERINA VERSICOLOR** (BONAP.) GRAY.
Varied Bunting. [385.]
251. **PASSERINA CIRIS** (LINN.) GRAY.
Painted Bunting; Nonpareil. [384.]
252. **SPERMOPHILA MORELETI** PUCHERAN.
Morelet's Seedeater. [388.]
253. **PHONIPARA ZENA** (LINN.) BRYANT.
Black-faced Seedeater.
254. **SPIZA AMERICANA** (GM.) BONAP.
Black-throated Bunting. [378.]
255. **SPIZA TOWNSENDI** (AUD.) RIDGW.
Townsend's Bunting. [379.]
256. **CALAMOSPIZA BICOLOR** (TOWNS.) BONAP.
Lark Bunting. [377.]
257. **DOLICHONYX ORYZIVORUS** (LINN.) SWAINS.
Bobolink. [399.]
258. **MOLOTHRUS ATER** (BODD.) GRAY.
Cowbird. [400.]
- 258a. **MOLOTHRUS ATER OBSCURUS** (GMEL.) COUES.
Dwarf Cowbird.
259. **MOLOTHRUS ÆNEUS** (WAGL.) CABAN.
Bronzed Cowbird.
260. **XANTHOCEPHALUS ICTEROCEPHALUS** (BONAP.) BD.
Yellow-headed Blackbird. [404.]
261. **AGELÆUS PHCENICEUS** (LINN.) VIEILL.
Red-and-buff-shouldered Blackbird. [401.]

- 261a. **AGELÆUS PHŒNICEUS GUBERNATOR** (WAGL.) COUES.
Red-and-black-shouldered Blackbird. [402.]
262. **AGELÆUS TRICOLOR** (NUTT.) BP.
Red-and-white-shouldered Blackbird. [403.]
263. **STURNELLA MAGNA** (LINN.) SWAINS.
Meadow Lark. [406.]
- 263a. **STURNELLA MAGNA MEXICANA** (SCL.) RIDGW.
Mexican Meadow Lark.
264. **STURNELLA NEGLECTA** AUD.
Western Meadow Lark. [407.]
265. **ICTERUS VULGARIS** DAUD.
Troupial. [408.]
266. **ICTERUS AUDUBONI** GIRAUD.
Audubon's Oriole. [409.]
267. **ICTERUS WAGLERI** SCL.
Wagler's Oriole. [412.]
268. **ICTERUS PARISORUM** BONAP.
Scott's Oriole. [411.]
269. **ICTERUS CUCULLATUS** SWAINS.
Hooded Oriole. [413.]
270. **ICTERUS SPURIUS** (LINN.) BP.
Orchard Oriole. [414.]
271. **ICTERUS GALBULA** (LINN.) COUES.
Baltimore Oriole. [415.]
272. **ICTERUS BULLOCKI** (SWAINS.) BP.
Bullock's Oriole. [416.]
273. **SCOLECOPHAGUS FERRUGINEUS** (GM.) SWAINS.
Rusty Blackbird. [417.]
274. **SCOLECOPHAGUS CYANOCEPHALUS** (WAGL.) CABAN.
Brewer's Blackbird. [418.]
275. **QUISCALUS MACRURUS** SWAINS.
Great-tailed Grackle. [419.]
276. **QUISCALUS PALUSTRIS** SWAINS.
Mexican Boat-tailed Grackle.
277. **QUISCALUS MAJOR** VIEILL.
Boat-tailed Grackle. [420.]
278. **QUISCALUS PURPUREUS** (BARTR.) LIGHT.
Purple Grackle. [421.]
- 278a. **QUISCALUS PURPUREUS AGLÆUS** (BAIRD) COUES.
Florida Grackle. [422.]

- 278 b. **QUISCALUS PURPUREUS ÆNEUS** RIDGW.
Bronzed Grackle.
- [279.] **STURNUS VULGARIS** LINN.
European Starling.
280. **CORVUS CORAX CARNIVORUS** (BARTR.) RIDGW.
American Raven. [423, 424.]
281. **CORVUS CRYPTOLEUCUS** COUCH.
White-necked Raven. [425.]
282. **CORVUS FRUGIVORUS** BARTR.
Common Crow. [426.]
- 282 a. **CORVUS FRUGIVORUS FLORIDANUS** (BAIRD) RIDGW.
Florida Crow. [427.]
- 282 b. **CORVUS FRUGIVORUS CAURINUS** (BAIRD) RIDGW.
Northwestern Fish Crow. [428.]
283. **CORVUS OSSIFRAGUS** WILS.
Fish Crow. [429.]
284. **PICICORVUS COLUMBIANUS** (WILS.) BP.
Clarke's Nutcracker. [430.]
285. **GYMNOCITTA CYANOCEPHALA** MAX.
Maximilian's Nutcracker; Piñon Jay. [431.]
286. **PICA RUSTICA HUDSONICA** (SCOP.) BAIRD.
Black-billed Magpie. [432.]
287. **PICA NUTTALLI** AUD.
Yellow-billed Magpie. [433.]
288. **PSILORHINUS MORIO** (WAGL.) GRAY.
Brown Jay. [444.]
289. **CYANOCITTA CRISTATA** (LINN.) STRICKL.
Blue Jay. [434.]
290. **CYANOCITTA STELLERI** (GM.) CABAN.
Steller's Jay. [435.]
- 290 a. **CYANOCITTA STELLERI FRONTALIS** RIDGW.
Blue-fronted Jay.
- 290 b. **CYANOCITTA STELLERI ANNECTENS** (BAIRD) RIDGW.
Black-headed Jay.
- 290 c. **CYANOCITTA STELLERI MACROLOPHA** (BAIRD) RIDGW.
Long-crested Jay. [436.]
291. **APHELOCOMA FLORIDANA** (BARTR.) CABAN.
Florida Jay. [439.]
292. **APHELOCOMA WOODHOUSEI** (BAIRD) RIDGW.
Woodhouse's Jay. [438.]

293. **APHELOCOMA CALIFORNICA** (VIG.) CABAN.
California Jay. [437.]
294. **APHELOCOMA ULTRAMARINA COUCHI** BAIRD.
Couch's Jay. [441.]
295. **APHELOCOMA SORDIDA ARIZONÆ** RIDGW.
Arizona Jay. [440.]
296. **XANTHURA LUXUOSA** (LESS.) BP.
Green Jay. [442.]
297. **PERISOREUS CANADENSIS** (LINN.) BP.
Canada Jay. [443.]
- 297 *a*. **PERISOREUS CANADENSIS CAPITALIS** BAIRD.
White-headed Jay.
- 297 *b*. **PERISOREUS CANADENSIS FUMIFRONS** RIDGW.
Smoky-fronted Jay.
298. **PERISOREUS OBSCURUS** RIDGW.
Oregon Jay.
- [299.] **ALAUDA ARVENSIS** LINN.
Sky Lark.
300. **BREMOPHILA ALPESTRIS** (FORST.) BOIE.
Shore Lark. [302.]
- 300 *a*. **BREMOPHILA ALPESTRIS LEUCOLÆMA** COUES.
White-throated Shore Lark.
- 300 *b*. **BREMOPHILA ALPESTRIS CHRYSOLÆMA** (WAGL.) COUES.
Mexican Shore Lark.
301. **MILVULUS FORFICATUS** (GM.) SWAINS.
Scissor-tailed Flycatcher. [123.]
- [302.] **MILVULUS TYRANNUS** (LINN.) BP.
Fork-tailed Flycatcher. [122.]
303. **TYRANNUS DOMINICENSIS** (GM.) REICH.
Gray Kingbird. [125.]
304. **TYRANNUS CAROLINENSIS** (LINN.) TEMM.
Kingbird; Bee Martin. [124.]
305. **TYRANNUS MELANCHOLICUS COUCHI** BAIRD.
Couch's Kingbird. [128, 129.]
306. **TYRANNUS VERTICALIS** SAY.
Western Kingbird. [126.]
307. **TYRANNUS VOCIFERANS** SWAINS.
Cassin's Kingbird. [127.]
308. **PITANGUS DERBIANUS** (KAUP) SCL.
Mexican Pitangus.

309. **MYIOZETETES TEXENSIS** (GIRAUD) SCL.
Giraud's Flycatcher.
310. **MYIODYNASTES LUTEIVENTRIS** BONAP.
Henshaw's Flycatcher.
311. **MYIARCHUS MEXICANUS** (KAUP) LAWR.
Mexican Great Crested Flycatcher. [132.]
312. **MYIARCHUS CRINITUS** (LINN.) CABAN.
Great Crested Flycatcher. [130.]
313. **MYIARCHUS CINERASCENS** LAWR.
Ash-throated Flycatcher. [131.]
314. **MYIARCHUS LAWRENCEI** (GIRAUD) BAIRD.
Lawrence's Flycatcher. [133.]
315. **SAYORNIS FUSCUS** (GMEL.) BAIRD.
Phoebe Bird; Pewee. [135.]
316. **SAYORNIS SAYI** (BONAP.) BAIRD.
Say's Pewee. [136.]
317. **SAYORNIS NIGRICANS** (SWAINS.) BP.
Black Pewee. [134.]
318. **CONTOPUS BOREALIS** (SWAINS.) BAIRD.
Olive-sided Flycatcher. [137.]
319. **CONTOPUS PERTINAX** CABAN.
Coues's Flycatcher.
320. **CONTOPUS VIRENS** (LINN.) CABAN.
Wood Pewee. [139.]
321. **CONTOPUS RICHARDSONI** (SW.) BAIRD.
Western Wood Pewee. [138.]
322. **EMPIDONAX FLAVIVENTRIS** BAIRD.
Yellow-bellied Flycatcher. [144.]
323. **EMPIDONAX DIFFICILIS** BAIRD.
Western Yellow-bellied Flycatcher. [144a.]
324. **EMPIDONAX ACADICUS** (GMEL.) BAIRD.
Acadian Flycatcher. [143.]
325. **EMPIDONAX PUSILLUS** (SWAINS.) BD.
Little Flycatcher. [141.]
- 325a. **EMPIDONAX PUSILLUS TRAILLI** (AUD.) BAIRD.
Traill's Flycatcher. [140.]
326. **EMPIDONAX MINIMUS** BAIRD.
Least Flycatcher. [142.]
327. **EMPIDONAX HAMMONDI** (XANTUS) BD.
Hammond's Flycatcher. [145.]

328. **EMPIDONAX OBSCURUS** (SWAINS.) BAIRD.
Wright's Flycatcher. [146.]
329. **EMPIDONAX FULVIFRONS** (GIRAUD) SCL.
Fulvous Flycatcher.
- 329_a. **EMPIDONAX FULVIFRONS PALLESCENS** COUES.
Buff-breasted Flycatcher.
330. **PYROCEPHALUS RUBINEUS MEXICANUS** (SCL.) COUES.
Vermilion Flycatcher. [147.]
331. **ORNITHION IMBERBE** (SCL.) COUES.
Small-billed Flycatcher.
332. **PACHYRHAMPHUS MAJOR** (BONAP.) SCL.
Thick-billed Flycatcher. [121.]
333. **HADROSTOMUS AGLAIÆ** (LAFR.) CAB.
Rose-throated Flycatcher. [120.]
334. **EUGENES FULGENS** (SWAINS.) GOULD.
Refulgent Hummingbird.
335. **TROCHILUS COLUBRIS** LINN.
Ruby-throated Hummingbird. [101.]
336. **TROCHILUS ALEXANDRI** BOURC. & MULS.
Black-chinned Hummingbird. [102.]
337. **CALYPTE COSTÆ** (BOURC.) GOULD.
Costa's Hummingbird. [106.]
338. **CALYPTE ANNÆ** (LESS.) GOULD.
Anna's Hummingbird. [105.]
339. **SELASPHORUS PLATYCERCUS** (SWAINS.) BP.
Broad-tailed Hummingbird. [104.]
340. **SELASPHORUS RUFUS** (GMEL.) AUD.
Rufous Hummingbird. [103.]
341. **SELASPHORUS ALLENI** HENSH.
Allen's Hummingbird.
342. **ATTHIS HELOISÆ** (LESS.) REICH.
Heloise's Hummingbird.
343. **STELLULA CALLIOPE** GOULD.
Calliope Hummingbird.
344. **CALOTHORAX LUCIFER** (SWAINS.) GRAY.
Lucifer Hummingbird.
345. **AMAZILIA FUSCICAUDATA** (FRASER) RIDGW.
Rieffer's Hummingbird.
346. **AMAZILIA CERVINIVENTRIS** GOULD.
Buff-bellied Hummingbird.

347. **BASILINNA XANTUSI** (LAWR.) ELLIOT.
Xantus's Hummingbird.
348. **IACHE LATIROSTRIS** (SWAINS.) ELLIOT.
Broad-billed Hummingbird.
349. **CYPSELUS SAXATILIS** WOODH.
White-throated Swift. [107.]
350. **CYPSELOIDES NIGER BOREALIS** (KENNERLY) RIDGW.
Black Swift. [108.]
351. **CHÆTURA PELASGICA** (LINN.) BAIRD.
Chimney Swift. [109.]
352. **CHÆTURA VAUXI** (TOWNS.) DE KAY.
Vaux's Swift. [110.]
353. **ANTROSTOMUS CAROLINENSIS** (GM.) GOULD.
Chuck-will's-widow. [111.]
354. **CAPRIMULGUS VOCIFERUS** WILS.
Whip-poor-will. [112.]
355. **PHALÆNOPTILUS NUTTALLI** (AUD.) RIDGW.
Poor-will. [113.]
356. **NYCTIDROMUS ALBICOLLIS** (GM.) BURM.
Parauque Goatsucker. [116a.]
357. **CHORDEILES POPETUE** (VIEILL.) BD.
Nighthawk. [114.]
- 357a. **CHORDEILES POPETUE HENRYI** (CASS.) ALLEN.
Western Nighthawk. [115.]
- 357b. **CHORDEILES POPETUE MINOR** (CABAN.) RIDGW.
Cuban Nighthawk.
358. **CHORDEILES ACUTIPENNIS TEXENSIS** (LAWR.) RIDGW.
Texan Nighthawk. [116.]
359. **CAMPEPHILUS PRINCIPALIS** (LINN.) GRAY.
Ivory-billed Woodpecker. [72.]
360. **PICUS VILLOSUS** LINN.
Hairy Woodpecker. [74.]
- 360a. **PICUS VILLOSUS LEUCOMELAS** (BODD.) RIDGW.
Great White-backed Sapsucker.
- 360b. **PICUS VILLOSUS HARRISI** (AUD.) ALLEN.
Harris's Woodpecker. [75.]
361. **PICUS PUBESCENS** LINN.
Downy Woodpecker. [76.]
- 361a. **PICUS PUBESCENS GAIRDNERI** (AUD.) COUES.
Gairdner's Woodpecker. [77.]

362. **PICUS QUERULUS** WILS.
Red-cockaded Woodpecker. [80.]
363. **PICUS SCALARIS** WAGL.
Texan Sapsucker. [79.]
- 363 a. **PICUS SCALARIS LUCASANUS** (XANT.) RIDGW.
Saint Lucas Sapsucker.
364. **PICUS NUTTALLI** GAMB.
Nuttall's Woodpecker. [78.]
365. **PICUS STRICKLANDI** MALH.
Strickland's Woodpecker.
366. **XENOPICUS ALBOLARVATUS** (CASS.) BAIRD.
White-headed Woodpecker. [81.]
367. **PICOIDES ARCTICUS** (SWAINS.) GRAY.
Black-backed Three-toed Woodpecker. [82.]
368. **PICOIDES TRIDACTYLUS AMERICANUS** (BREHM) RIDGW.
Banded-backed Three-toed Woodpecker. [83.]
- 368 a. **PICOIDES TRIDACTYLUS DORSALIS** (BAIRD) RIDGW.
Striped-backed Three-toed Woodpecker. [84.]
369. **SPHYRAPICUS VARIUS** (LINN.) BAIRD.
Yellow-bellied Woodpecker. [85.]
- 369 a. **SPHYRAPICUS VARIUS NUCHALIS** BAIRD.
Red-naped Woodpecker. [86.]
- 369 b. **SPHYRAPICUS VARIUS RUBER** (GM.) RIDGW.
Red-breasted Woodpecker. [87.]
370. **SPHYRAPICUS THYROIDEUS** (CASS.) BAIRD.
Black-breasted Woodpecker. [88, 89.]
371. **HYLOTOMUS PILEATUS** (LINN.) BAIRD.
Pileated Woodpecker; Logcock. [90.]
372. **CENTURUS CAROLINUS** (L.) BP.
Red-bellied Woodpecker. [91.]
373. **CENTURUS AURIFRONS** WAGL.
Golden-fronted Woodpecker. [92.]
374. **CENTURUS UROPYGIALIS** BAIRD.
Gila Woodpecker. [93.]
375. **MELANERPES ERYTHROCEPHALUS** (LINN.) SW.
Red-headed Woodpecker. [94.]
376. **MELANERPES TORQUATUS** (WILS.) BONAP.
Lewis's Woodpecker. [96.]
377. **MELANERPES FORMICIVORUS BAIRDI** RIDGW.
Californian Woodpecker. [95.]

- 377a. **MELANERPES FORMICIVORUS ANGUSTIFRONS** BAIRD.
Narrow-fronted Woodpecker.
378. **COLAPTES AURATUS** (LINN.) SW.
Yellow-shafted Flicker. [97.]
- 378a. **COLAPTES AURATUS HYBRIDUS** (BAIRD) RIDGW.
"Hybrid" Flicker. [98a.]
- 378b. **COLAPTES AURATUS MEXICANUS** (SW.) RIDGW.
Red-shafted Flicker. [98.]
379. **COLAPTES CHRYSOIDES** (MALH.) BAIRD.
Malherbe's Flicker. [99.]
380. **COLAPTES RUFIPILEUS** RIDGW.
Guadalupe Flicker.
381. **MOMOTUS CÆRULEICEPS** GOULD.
Blue-capped Motmot. [119.]
382. **CERYLE ALCYON** (LINN.) BOIE.
Belted Kingfisher. [117.]
383. **CERYLE AMERICANA CABANISI** (TSCHUDI) COUES.
Texan Kingfisher. [118.]
384. **TROGON AMBIGUUS** GOULD.
Coppery-tailed Trogon. [65.]
385. **GEOCOCCYX CALIFORNIANUS** (LESS.) BAIRD.
Road-runner; Chaparral Cock. [68.]
386. **COCCYZUS SENICULUS** (LATH.) VIEILL.
Mangrove Cuckoo. [71.]
387. **COCCYZUS AMERICANUS** (LINN.) BP.
Yellow-billed Cuckoo. [69.]
388. **COCCYZUS ERYTHROPHthalmus** (WILS.) BAIRD.
Black-billed Cuckoo. [70.]
389. **CROTOPHAGA ANI** LINN.
Savannah Blackbird. [66, 67.]
390. **CROTOPHAGA SULCIROSTRIS** SWAINS.
Groove-billed Crotophaga.
391. **RHYNCHOPSITTA PACHYRHYNCHA** (SWAINS.) BP.
Thick-billed Parrot. [64.]
392. **CONURUS CAROLINENSIS** (LINN.) KUHLE.
Carolina Parakeet. [63.]
393. **CONURUS HOLOCHLORUS BREVIPES** BAIRD.
Socorro Parakeet.
394. **ALUCO FLAMMEUS AMERICANUS** (AUD.) RIDGW.
American Barn Owl. [47.]

395. **ASIO AMERICANUS** (STEPH.) SHARPE.
American Long-eared Owl. [51.]
396. **ASIO ACCIPITRINUS** (PALL.) NEWTON.
Short-eared Owl. [52.]
397. **STRIX NEBULOSA** FORST.
Barred Owl. [54.]
- 397 a. **STRIX NEBULOSA ALLENI** RIDGW.
Florida Barred Owl.
398. **STRIX OCCIDENTALIS** (XANT.) RIDGW.
Spotted Owl.
399. **ULULA CINEREA** (GMEL.) BP.
Great Gray Owl. [53.]
- [399 a.] **ULULA CINEREA LAPPONICA** (RETZ.) RIDGW.
Lapland Owl.
400. **NYCTALE TENGMALMI RICHARDSONI** (BP.) RIDGW.
Richardson's Owl. [55.]
401. **NYCTALE ACADICA** (GMEL.) BP.
Saw-whet Owl. [56, 57.]
402. **SCOPS ASIO** (LINN.) BP.
Little Screech Owl. [49.]
- 402 a. **SCOPS ASIO FLORIDANUS** RIDGW.
Florida Screech Owl.
- 402 b. **SCOPS ASIO MACCALLI** (CASS.) RIDGW.
Texan Screech Owl. [50.]
- 402 c. **SCOPS ASIO MAXWELLIÆ** RIDGW.
Rocky Mountain Screech Owl.
- 402 d. **SCOPS ASIO KENNICOTTI** (ELLIOT) RIDGW.
Northwestern Screech Owl.
403. **SCOPS TRICHOPSIS** WAGL.
Mexican Screech Owl.
404. **SCOPS FLAMMEOLUS** (LICHT.) SCL.
Flammulated Screech Owl.
405. **BUBO VIRGINIANUS** (GM.) BP.
Great Horned Owl. [48.]
- 405 a. **BUBO VIRGINIANUS SUBARCTICUS** (HOY) RIDGW.
Western Horned Owl.
- 405 b. **BUBO VIRGINIANUS ARCTICUS** (SWAINS.) CASS.
Arctic Horned Owl.
- 405 c. **BUBO VIRGINIANUS SATURATUS** RIDGW.
Dusky Horned Owl.

406. **NYCTEA SCANDIACA** (LINN.) NEWT.
Snowy Owl. [61.]
407. **SURNIA FUNEREA** (LINN.) RICH & SW.
American Hawk Owl. [62.]
- [407 a.] **SURNIA FUNEREA ULULA** (LINN.) RIDGW.
European Hawk Owl.
408. **SPEOTYTO CUNICULARIA HYPOGÆA** (BONAP.) RIDGW.
Burrowing Owl. [58, 59.]
- 408 a. **SPEOTYTO CUNICULARIA FLORIDANA** RIDGW.
Florida Burrowing Owl.
409. **GLAUCIDIUM GNOMA** WAGL.
California Pigmy Owl. [60.]
410. **GLAUCIDIUM PHALÆNOIDES** (DAUD.) SCL. & SALV.
Ferruginous Pigmy Owl.
411. **MICRATHENE WHITNEYI** (COOPER) COUES.
Whitney's Pigmy Owl.
412. **HIEROFALCO GYRFALCO CANDICANS** (GM.) RIDGW.
White Gyrfalcon. [11.]
- 412 a. **HIEROFALCO GYRFALCO ISLANDUS** (GM.) RIDGW.
Iceland Gyrfalcon. [12.]
- 412 b. **HIEROFALCO GYRFALCO SACER** (FORST.) RIDGW.
McFarlane's Gyrfalcon.
- 412 c. **HIEROFALCO GYRFALCO OBSOLETUS** (GM.) RIDGW.
Labrador Gyrfalcon.
413. **HIEROFALCO MEXICANUS POLYAGRUS** (CASS.) RIDGW.
Prairie Falcon. [10.]
414. **FALCO PEREGRINUS NÆVIUS** (GM.) RIDGW.
American Peregrine Falcon; Duck Hawk. [5, 6.]
- 414 a. **FALCO PEREGRINUS PEALEI** RIDGW.
Peale's Falcon.
415. **FALCO ALBIGULARIS** DAUD.
Chestnut-thighed Falcon. [8.]
- [416.] **ÆSALON REGULUS** (PALL.) BLYTH.
European Merlin.
417. **ÆSALON COLUMBARIUS** (LINN.) KAUP.
Pigeon Hawk. [7.]
- 417 a. **ÆSALON COLUMBARIUS SUCKLEYI** RIDGW.
Black Merlin.
418. **ÆSALON RICHARDSONI** RIDGW.
Richardson's Merlin.

419. **RHYNCHOFALCO FUSCO-CÆRULESCENS** (VIEILL.) RIDGW.
Aplomado Falcon. [9.]
420. **TINNUNCULUS SPARVERIUS** (LINN.) VIEILL.
Sparrow Hawk. [13.]
- 420_a. **TINNUNCULUS SPARVERIUS ISABELLINUS** (SWAINS.) RIDGW.
Isabelline Sparrow Hawk.
421. **TINNUNCULUS SPARVERIOIDES** (VIG.) GRAY.
Cuban Sparrow Hawk.
- [422.] **TINNUNCULUS ALAUDARIUS** (GM.) GRAY.
European Kestrel.
423. **POLYBORUS CHERIWAY** (JACQ.) CABAN.
Caracara Eagle. [45.]
424. **POLYBORUS LOTOSUS** RIDGW.
Guadalupe Caracara.
425. **PANDION HALIAETUS CAROLINENSIS** (GM.) RIDGW.
American Osprey; Fish Hawk. [44.]
426. **ELANOIDES FORFICATUS** (LINN.) RIDGW.
Swallow-tailed Kite. [34.]
427. **ELANUS GLAUCUS** (BARTR.) COUES.
White-tailed Kite. [35.]
428. **ICTINIA SUBCÆRULEA** (BARTR.) COUES.
Mississippi Kite. [36.]
429. **ROSTRHAMUS SOCIABILIS PLUMBEUS** RIDGW.
Everglade Kite. [37.]
430. **CIRCUS HUDSONIUS** (LINN.) VIEILL.
Marsh Hawk. [38.]
431. **ACCIPITER COOPERI** BONAP.
Cooper's Hawk. [15, 16.]
432. **ACCIPITER FUSCUS** (GMEL.) BP.
Sharp-shinned Hawk. [17.]
433. **ASTUR ATRICAPILLUS** (WILS.) BP.
American Goshawk. [14.]
- 433_a. **ASTUR ATRICAPILLUS STRIATULUS** RIDGW.
Western Goshawk.
434. **ANTENOR UNICINCTUS HARRISI** (AUD.) RIDGW.
Harris's Hawk. [46.]
- [435.] **BUTEO VULGARIS** LEACH.
European Buzzard.
436. **BUTEO BOREALIS** (GM.) VIEILL.
Red-tailed Hawk. [23.]

- 436 a. **BUTEO BOREALIS KRIDERI** HOOPES.
Krider's Hawk.
- 436 b. **BUTEO BOREALIS CALURUS** (CASS.) RIDGW.
Western Red-tail. [20, 24.]
- 436 c. **BUTEO BOREALIS LUCASANUS** RIDGW.
Saint Lucas Red-tail.
- 436 d. **BUTEO BOREALIS SOCORROENSIS** RIDGW.
Socorro Red-tail.
437. **BUTEO COOPERI** CASS.
Cooper's Henhawk. [29.]
438. **BUTEO HARLANI** AUD.
Harlan's Hawk. [22.]
439. **BUTEO LINEATUS** (GM.) JARD.
Red-shouldered Hawk. [25.]
- 439 a. **BUTEO LINEATUS ELEGANS** (CASS.) RIDGW.
Red-bellied Hawk. [26.]
440. **BUTEO ABBREVIATUS** CABAN.
Zone-tailed Hawk.
441. **BUTEO ALBICAUDATUS** VIEILL.
White-tailed Hawk.
442. **BUTEO SWAINSONI** BONAP.
Swainson's Hawk. [18, 19, 21, 28.]
443. **BUTEO PENNSYLVANICUS** (WILS.) BP.
Broad-winged Hawk. [27.]
444. **URUBITINGA ANTHRACINA** (LICHT.) LAFR.
Mexican Black Hawk.
445. **ASTURINA NITIDA FLAGIATA** (LICHT.) RIDGW.
Mexican Goshawk. [33.]
446. **ONYCHOTES GRUBERI** RIDGW.
Gruber's Hawk.
447. **ARCHIBUTEO LAGOPUS SANCTI-JOHANNIS** (GMEL.) RIDGW.
American Rough-legged Hawk. [30, 31.]
448. **ARCHIBUTEO FERRUGINEUS** (LICHT.) GRAY.
Ferruginous Rough-leg. [32.]
449. **AQUILA CHRYSÆTUS CANADENSIS** (LINN.) RIDGW.
Golden Eagle. [39.]
450. **THRASAETUS HARPYIA** (LINN.) GRAY.
Harpy Eagle.
451. **HALIÆTUS LEUCOCEPHALUS** (LINN.) SAVIG.
Bald Eagle; Gray Eagle. [41, 43.]

452. **HALIÆTUS ALBICILLA** (LINN.) LEACH.
Gray Sea Eagle. [42.]
453. **PSEUDOGRYPHUS CALIFORNIANUS** (SHAW) RIDGW.
Californian Condor. [2.]
454. **CATHARTES AURA** (LINN.) ILLIG.
Turkey Buzzard. [1.]
455. **CATHARISTA ATRATA** (WILS.) LESS.
Black Vulture; Carrion Crow. [3.]
456. **COLUMBA FASCIATA** SAY.
Band-tailed Pigeon. [445.]
457. **COLUMBA ERYTHRINA** LICHT.
Red-billed Pigeon. [446.]
458. **COLUMBA LEUCOCEPHALA** LINN.
White-crowned Pigeon. [447.]
459. **ECTOPISTES MIGRATORIA** (LINN.) SW.
Passenger Pigeon. [448.]
460. **ZENAIIDURA CAROLINENSIS** (LINN.) BP.
Mourning Dove. [451.]
461. **ZENAIIDURA GRAYSONI** BAIRD.
Socorro Dove.
462. **ZENAIIDA AMABILIS** BP.
Zenaida Dove. [449.]
463. **ENGYPTILA ALBIFRONS** (BP.) COUES.
White-fronted Dove.
464. **MELOPELIA LEUCOPTERA** (L.) BP.
White-winged Dove. [450.]
465. **CHAMÆPELIA PASSERINA** (L.) SWAINS.
Ground Dove. [453.]
466. **SCARDAPELLA INCA** (LESS.) BP.
Scaled Dove. [452.]
467. **GEOTRYGON MARTINICA** (GM.) BP.
Key West Dove. [454.]
468. **STARNENAS CYANOCEPHALA** (LINN.) BP.
Blue-headed Dove. [455.]
469. **ORTALIS VETULA MACCALLI** (BAIRD) RIDGW.
Chachalaca; Texan Guan. [456.]
470. **MELEAGRIS GALLOPAVO** LINN.
Mexican Turkey. [458.]
- 470a. **MELEAGRIS GALLOPAVO AMERICANA** (BARTR.) COUES.
Wild Turkey. [457.]

471. **CANACE OBSCURA** (SAY) BP.
Dusky Grouse. [459.]
- 471*a*. **CANACE OBSCURA FULIGINOSA** RIDGW.
Sooty Grouse.
- 471*b*. **CANACE OBSCURA RICHARDSONI** (DOUGL.) BAIRD.
Richardson's Grouse.
472. **CANACE CANADENSIS** (LINN.) BP.
Canada Grouse; Spruce Partridge. [460.]
- 472*a*. **CANACE CANADENSIS FRANKLINI** (DOUGL.) BAIRD.
Franklin's Grouse. [461.]
473. **BONASA UMBELLUS** (LINN.) STEPH.
Ruffed Grouse. [465.]
- 473*a*. **BONASA UMBELLUS UMBELLOIDES** (DOUGL.) BAIRD.
Gray Ruffed Grouse. [465*a*.]
- 473*b*. **BONASA UMBELLUS SABINEI** (DOUGL.) COUES.
Oregon Ruffed Grouse. [466.]
474. **LAGOPUS ALBUS** (GM.) AUD.
Willow Ptarmigan. [467, 470.]
475. **LAGOPUS RUPESTRIS** (GM.) LEACH.
Rock Ptarmigan. [468.]
476. **LAGOPUS LEUCURUS** SW.
White-tailed Ptarmigan. [469.]
477. **CUPIDONIA CUPIDO** (LINN.) BAIRD.
Prairie Hen. [464.]
- 477*a*. **CUPIDONIA CUPIDO PALLIDICINCTA** RIDGW.
Lesser Prairie Hen.
478. **PEDICECETES PHASIANELLUS** (L.) ELLIOT.
Northern Sharp-tailed Grouse.
- 478*a*. **PEDICECETES PHASIANELLUS COLUMBIANUS** (ORD) COUES.
Common Sharp-tailed Grouse. [463.]
479. **CENTROCERCUS UROPHASIANUS** (BP.) SWAINS.
Sage Cock. [462.]
480. **ORTYX VIRGINIANA** (L.) BP.
Bob-white; American Quail. [471.]
- 480*a*. **ORTYX VIRGINIANA FLORIDANA** COUES.
Florida Quail.
- 480*b*. **ORTYX VIRGINIANA TEXANA** (LAWR.) COUES.
Texan Quail. [472.]
481. **OREORTYX PICTA** (DOUGL.) BAIRD.
Mountain Quail. [473.]

- 481a. **OREORTYX PICTA PLUMIFERA** (GOULD) RIDGW.
Plumed Quail.
482. **LOPHORTYX CALIFORNICA** (SHAW) BP.
Californian Quail. [474.]
483. **LOPHORTYX GAMBELI** NUTT.
Gambel's Quail. [475.]
484. **CALLIPEPLA SQUAMATA** (VIG.) GRAY.
Scaled Quail. [476.]
485. **CYRTONYX MASSENA** (LESS.) GOULD.
Massena Quail. [477.]
486. **ARDEA OCCIDENTALIS** AUD.
Great White Heron; Würdemann's Heron. [488, 489.]
487. **ARDEA HERODIAS** LINN.
Great Blue Heron. [487.]
- [488.] **ARDEA CINEREA** LINN.
Common European Heron.
489. **HERODIAS ALBA EGRETTE** (GMEL.) RIDGW.
American Egret. [486, 486a.]
490. **GARZETTA CANDIDISSIMA** (GMEL.) BP.
Snowy Heron. [485.]
491. **DICHROMANASSA RUPA** (BODD.) RIDGW.
Reddish Egret; Peale's Egret. [482, 483.]
492. **HYDRANASSA TRICOLOR LUDOVICIANA** (WILS.) RIDGW.
Louisiana Heron. [484.]
493. **FLORIDA CÆRULEA** (LINN.) BAIRD.
Little Blue Heron. [490.]
494. **BUTORIDES VIRESCENS** (LINN.) BP.
Green Heron. [493.]
495. **NYCTIARDEA GRISEA NÆVIA** (BODD.) ALLEN.
Black-crowned Night Heron. [495.]
496. **NYCTHERODIUS VIOLACEUS** (LINN.) REICH.
White-crowned Night Heron. [496.]
497. **BOTAURUS LENTIGINOSUS** (MONTAG.) STEPH.
American Bittern. [492.]
498. **ARDETTA EXILIS** (GMEL.) GRAY.
Least Bittern. [491.]
499. **MYCTERIA AMERICANA** LINN.
Jabiru.
500. **TANTALUS LOCULATOR** LINN.
Wood Ibis. [497.]

501. **EUDOCIMUS ALBUS** (LINN.) WAGL.
White Ibis. [499.]
502. **EUDOCIMUS RUBER** (LINN.) WAGL.
Scarlet Ibis. [493.]
503. **PLEGADIS FALCINELLUS** (LINN.) KAUP.
Glossy Ibis. [500.]
504. **PLEGADIS GUARAUNA** (LINN.) RIDGW.
White-faced Glossy Ibis. [500a.]
505. **AJAJA ROSEA** (BRISS.) RIDGW.
Roseate Spoonbill. [501.]
- [506.] **HÆMATOPUS OSTRALEGUS** LINN.
European Oystercatcher.
507. **HÆMATOPUS PALLIATUS** TEMM.
American Oystercatcher. [512.]
508. **HÆMATOPUS NIGER** PALL.
Black Oystercatcher. [513.]
509. **STREPSILAS INTERPRES** (LINN.) ILLIG.
Turnstone. [515.]
510. **STREPSILAS MELANOCEPHALA** VIG.
Black Turnstone. [516.]
511. **APHRIZA VIRGATA** (GMEL.) GRAY.
Surf Bird. [511.]
- [512.] **VANELLUS CRISTATUS** MEYER.
Lapwing.
513. **SQUATAROLA HELVETICA** (LINN.) COV.
Black-bellied Plover. [510.]
- [514.] **CHARADRIUS PLUVIALIS** LINN.
Golden Plover.
515. **CHARADRIUS DOMINICUS** MÜLL.
American Golden Plover. [503.]
- [515a.] **CHARADRIUS DOMINICUS FULVUS** (GMEL.) RIDGW.
Pacific Golden Plover.
516. **OXYECHUS VOCIFERUS** (LINN.) REICH.
Killdeer. [504.]
517. **ÆGIALITES SEMIPALMATUS** BONAP.
Semipalmated Plover. [507.]
518. **ÆGIALITES HIATICULA** (LINN.) BOIE.
Ringed Plover.
- [519.] **ÆGIALITES CURONICUS** (GMEL.) GRAY.
Little Ringed Plover.

520. *ZEGIALITES MELODUS* (ORD) BP.
Piping Plover. [508.]
- 520*a*. *ZEGIALITES MELODUS CIRCUMCINCTUS* RIDGW.
Belted Piping Plover.
521. *ZEGIALITES CANTIANUS NIVOSUS* (CASS.) RIDGW.
Snowy Plover. [509.]
522. *OCHTHODROMUS WILSONIUS* (ORD) REICH.
Wilson's Plover. [506.]
523. *PODASOCYS MONTANUS* (TOWNS.) COUES.
Mountain Plover. [505.]
- [524.] *SCOLOPAX RUSTICULA* LINN.
European Woodcock.
525. *PHILOHELA MINOR* (GMEL.) GRAY.
American Woodcock. [522.]
- [526.] *GALLINAGO MEDIA* LEACH.
English Snipe.
- 526*a*. *GALLINAGO MEDIA WILSONI* (TEMM.) RIDGW.
Wilson's Snipe. [523.]
527. *MACRORHAMPHUS GRISEUS* (GMEL.) LEACH.
Red-breasted Snipe; Gray Snipe. [524.]
- 527*a*. *MACRORHAMPHUS GRISEUS SCOLOPACEUS* (SAY) COUES.
Red-bellied Snipe; Greater Gray-back. [525.]
528. *MICROPALAMA HIMANTOPUS* (BONAP.) BAIRD.
Stilt Sandpiper. [536.]
529. *TRINGA CANUTUS* LINN.
Knot; Robin Snipe. [526.]
530. *ARQUATELLA MARITIMA* (BRÜNN.) BAIRD.
Purple Sandpiper. [528.]
531. *ARQUATELLA COUESI* RIDGW.
Aleutian Sandpiper.
532. *ARQUATELLA PTILOCNEMIS* (COUES) RIDGW.
Prybilov Sandpiper.
- [533.] *ACTODROMAS ACUMINATA* (HORSF.) RIDGW.
Sharp-tailed Sandpiper.
534. *ACTODROMAS MACULATA* (VIEILL.) COUES.
Pectoral Sandpiper. [531.]
535. *ACTODROMAS COOPERI* (BAIRD) COUES.
Cooper's Sandpiper. [527.]
536. *ACTODROMAS FUSCICOLLIS* (VIEILL.) RIDGW.
Bonaparte's Sandpiper. [533.]

537. **ACTODROMAS BAIRDI** COUES.
Baird's Sandpiper.
538. **ACTODROMAS MINUTILLA** (VIEILL.) BP.
Least Sandpiper. [532.]
- [539.] **PELIDNA ALPINA** (LINN.) BOIE.
European Dunlin.
- 539*a*. **PELIDNA ALPINA AMERICANA** CASS.
Red-backed Sandpiper. [530.]
- [540.] **PELIDNA SUBARQUATA** (GULD.) CUV.
Curlew Sandpiper. [529.]
541. **EREUNETES PUSILLUS** (LINN.) CASS.
Semipalmated Sandpiper. [535.]
- 541*a*. **EREUNETES PUSILLUS OCCIDENTALIS** (LAWR.) COUES.
Western Sandpiper.
542. **CALIDRIS ARENARIA** (LINN.) ILLIG.
Sanderling. [534.]
543. **LIMOSA FCEDA** (LINN.) ORD.
Marbled Godwit. [547.]
544. **LIMOSA LAPPONICA NOVÆ-ZEALANDIÆ** GRAY.
Pacific Godwit.
545. **LIMOSA HÆMASTICA** (LINN.) COUES.
Hudsonian Godwit. [548.]
- [546.] **LIMOSA ÆGOCEPHALA** (LINN.) LEACH.
Black-tailed Godwit.
- [547.] **TOTANUS GLOTTIS** (LINN.) BECHST.
Green-shank. [533.]
548. **TOTANUS MELANOLEUCUS** (GMEL.) VIEILL.
Greater Yellow-legs; Tell-tale. [539.]
549. **TOTANUS FLAVIPES** (GMEL.) VIEILL.
Yellow-legs. [540.]
550. **RHYACOPHILUS SOLITARIUS** (WILS.) CASS.
Solitary Sandpiper. [541.]
- [551.] **RHYACOPHILUS OCHROPUS** (LINN.) RIDGW.
Green Sandpiper.
552. **SYMPHEMIA SEMIPALMATA** (GMEL.) HARTL.
Willet. [537.]
553. **HETEROSCELUS INCANUS** (GMEL.) COUES.
Wandering Tattler. [542.]
- [554.] **MACHETES PUGNAX** (LINN.) CUV.
Ruff. [544.]

555. **BARTRAMIA LONGICAUDA** (BECHST.) BP.
Bartram's Sandpiper; Field Plover. [545.]
556. **TRYNGITES RUFESCENS** (VIEILL.) CABAN.
Buff-breasted Sandpiper. [546.]
557. **TRINGOIDES MACULARIUS** (LINN.) GRAY.
Spotted Sandpiper. [543.]
558. **NUMENIUS LONGIROSTRIS** WILS.
Long-billed Curlew. [549.]
559. **NUMENIUS HUDSONICUS** LATH.
Hudsonian Curlew. [550.]
560. **NUMENIUS BOREALIS** (FORST.) LATH.
Eskimo Curlew. [551.]
- [561.] **NUMENIUS PHÆOPUS** (LINN.) LATH.
Whimbrel.
- [562.] **NUMENIUS TAHITIENSIS** (GMEL.) CASS.
Bristle-thighed Curlew.
563. **PHALAROPUS FULICARIUS** (LINN.) BP.
Red Phalarope. [521.]
564. **LOBIPES HYPERBOREUS** (LINN.) CUV.
Northern Phalarope. [520.]
565. **STEGANOPUS WILSONI** (SAB.) COUES.
Wilson's Phalarope. [519.]
566. **RECURVIROSTRA AMERICANA** GMEL.
American Avocet. [517.]
567. **HIMANTOPUS MEXICANUS** (MÜLL.) ORD.
Black-necked Stilt. [518.]
568. **PARRA GYMNOSTOMA** WAGL.
Mexican Jacana.
569. **RALLUS ELEGANS** AUD.
Red-breasted Rail. [542.]
570. **RALLUS OBSOLETUS** RIDGW.
Californian Clapper Rail.
571. **RALLUS LONGIROSTRIS CREPITANS** (GMEL.) RIDGW.
Clapper Rail. [553.]
- 571a. **RALLUS LONGIROSTRIS SATURATUS** HENSH.
Louisiana Clapper Rail.
572. **RALLUS VIRGINIANUS** LINN.
Virginian Rail. [554.]
- [573.] **PORZANA MARUETTA** (LEACH.) BP.
Spotted Crake.

574. **PORZANA CAROLINA** (LINN.) BAIRD.
Sora Rail. [555.]
575. **PORZANA NOVEBORACENSIS** (GMEL.) BAIRD.
Little Yellow Rail. [557.]
576. **PORZANA JAMAICENSIS** (GMEL.) BAIRD.
Little Black Rail. [556.]
- 576a. **PORZANA JAMAICENSIS COTURNICULUS** BAIRD.
Farallone Rail.
- [577.] **CREX PRATENSIS** BECHST.
Corn Crane. [558.]
578. **IONORNIS MARTINICA** (LINN.) REICH.
Purple Gallinule. [561.]
579. **GALLINULA GALEATA** (LICHT.) BP.
Florida Gallinule. [560.]
580. **FULICA AMERICANA** GMEL.
American Coot. [559.]
581. **ARAMUS PICTUS** (BARTR.) COUES.
The Limpkin. [481.]
582. **GRUS AMERICANA** (LINN.) TEMM.
Whooping Crane. [478.]
583. **GRUS CANADENSIS** (LINN.) TEMM.
Sandhill Crane. [479.]
584. **GRUS FRATERCULUS** CASS.
Little Crane. [480.]
585. **PHENICOPTERUS RUBER** LINN.
American Flamingo. [502.]
- [586.] **OLOR CYGNUS** (LINN.) BP.
European Swan.
- [587.] **OLOR MINOR** (PALL.) BP.
Bewick's Swan.
588. **OLOR AMERICANUS** (SHARPLESS) BP.
Whistling Swan. [561a.]
589. **OLOR BUCCINATOR** (RICH.) WAGL.
Trumpeter Swan. [562.]
590. **CHEN CÆRULESCENS** (LINN.) RIDGW.
Blue-winged Goose. [564.]
591. **CHEN HYPERBOREUS** (PALL.) BOIE.
Snow Goose. [563.]
- 591a. **CHEN HYPERBOREUS ALBATUS** (CASS.) RIDG.
Lesser Snow Goose [563a.]

592. **CHEN ROSSI** (BAIRD) RIDGW.
Ross's Snow Goose.
- [593.] **ANSER ALBIFRONS** GMEL.
European White-fronted Goose.
- 593a. **ANSER ALBIFRONS GAMBELI** (HARTL.) COUES.
American White-fronted Goose. [565, 566.]
594. **BERNICLA CANADENSIS** (LINN.) BOIE.
Canada Goose. [567.]
- 594a. **BERNICLA CANADENSIS HUTCHINSI** (SW. & RICH.) RIDGW.
Hutchins's Goose. [569.]
- 594b. **BERNICLA CANADENSIS LEUCOPARIA** (BRANDT) CASS.
White-cheeked Goose. [568.]
- 594c. **BERNICLA CANADENSIS OCCIDENTALIS** (BAIRD) DALL & BANN.
Larger White-cheeked Goose. [567 a.]
595. **BERNICLA BRENTA** (PALL.) STEPH.
Brant. [570.]
596. **BERNICLA NIGRICANS** (LAWR.) CASS.
Black Brant. [571.]
- [597.] **BERNICLA LEUCOPSIS** (TEMML.) BOIE.
Barnacle Goose. [572.]
598. **PHILACTE CANAGICA** (SEVAST.) BANNIST.
Emperor Goose. [573.]
599. **DENDROCYCNA AUTUMNALIS** (LINN.) EYT.
Black-bellied Tree Duck. [574.]
600. **DENDROCYCNA FULVA** (GMEL.) BURM.
Fulvous Tree Duck. [575.]
601. **ANAS BOSCAS** LINN.
Mallard. [576.]
602. **ANAS OBSCURA** GMEL.
Black Mallard. [577.]
603. **ANAS FULVIGULA** RIDGW.
Florida Dusky Duck.
604. **CHAULELASMUS STREPERUS** (LINN.) GRAY.
Gadwall. [584.]
605. **DAFILA ACUTA** (LINN.) BONAP.
Pintail. [578.]
- [606.] **MARECA PENELOPE** (LINN.) SELBY.
Widgeon. [586.]
607. **MARECA AMERICANA** (GMEL.) STEPH.
Baldpate. [585.]

608. **SPATULA CLYPEATA** (LINN.) BOIE.
Shoveller. [583.]
609. **QUERQUEDULA DISCORS** (LINN.) STEPH.
Blue-winged Teal. [581.]
610. **QUERQUEDULA CYANOPTERA** (VIEILL.) CASS.
Cinnamon Teal. [582.]
- [611.] **NETTION CRECCA** (LINN.) KAUP.
English Teal. [580.]
612. **NETTION CAROLINENSIS** (GMEL.) BAIRD.
Green-winged Teal. [579.]
613. **AIX SPONSA** (LINN.) BOIE.
Wood Duck; Summer Duck. [587.]
614. **FULIX MARILA** (LINN.) BAIRD.
Scaup Duck. [588.]
615. **FULIX AFFINIS** (EYT.) BAIRD.
Little Blackhead. [589.]
616. **FULIX COLLARIS** (DONOV.) BAIRD.
Ring-billed Blackhead. [590.]
617. **ÆTHYIA VALLISNERIA** (WILS.) BOIE.
Canvas-back. [592.]
618. **ÆTHYIA AMERICANA** (EYT.) BP.
Redhead. [591.]
619. **CLANGULA ISLANDICA** (GMEL.) BP.
Barrow's Golden-eye. [594.]
620. **CLANGULA GLAUCIUM AMERICANA** (BP.) RIDGW.
American Golden-eye. [593.]
621. **CLANGULA ALBEOLA** (LINN.) STEPH.
Butterball; Bufflehead. [595.]
622. **HISTRIONICUS MINUTUS** (LINN.) DRESSER.
Harlequin Duck. [596.]
623. **HARELDA GLACIALIS** (LINN.) LEACH.
Long-tailed Duck; Old Squaw. [597.]
624. **CAMPTOLÆMUS LABRADORIUS** (GMEL.) GRAY.
Labrador Duck. [600.]
625. **POLYSTICTA STELLERI** (PALL.) BRANDT.
Steller's Duck. [598.]
626. **LAMPRONETTA FISCHERI** BRANDT.
Spectacled Eider. [599.]
627. **SOMATERIA MOLLISSIMA** (LINN.) BOIE.
Common Eider.

- 627 a. **SOMATERIA MOLLISSIMA DRESSERI** (SHARPE) COUES.
American Eider. [606.]
628. **SOMATERIA V-NIGRA** GRAY.
Pacific Eider. [607.]
629. **SOMATERIA SPECTABILIS** (LINN.) BOIE.
King Eider. [608.]
630. **CEDEMIA AMERICANA** SW. & RICH.
American Scoter. [604.]
- [631.] **MELANETTA FUSCA** (LINN.) BOIE.
Velvet Scoter.
632. **MELANETTA VELVETINA** (CASS.) BAIRD.
American Velvet Scoter. [601.]
633. **FELIONETTA PERSPICILLATA** (LINN.) KAUP.
Surf Duck. [602.]
634. **ERISMATURA RUBIDA** (WILS.) BP.
Ruddy Duck. [609.]
635. **NOMONYX DOMINICUS** (LINN.) RIDGW.
Black Masked Duck. [610.]
636. **MERGUS MERGANSER AMERICANUS** (CASS.) RIDGW.
American Sheldrake. [611.]
637. **MERGUS SERRATOR** LINN.
Red-breasted Sheldrake. [612.]
638. **LOPHODYTES CUCULLATUS** (LINN.) REICH.
Hooded Sheldrake. [613.]
639. **TACHYPETES AQUILA** (LINN.) VIEILL.
Frigate Pelican. [619.]
640. **PELECANUS ERYTHORHYNCHUS** GMEL.
American White Pelican. [615.]
641. **PELECANUS FUSCUS** LINN.
Brown Pelican. [616.]
642. **PHALACROCORAX CARBO** (LINN.) BP.
Common Cormorant. [620.]
643. **PHALACROCORAX DILOPHUS** (SW. & RICH.) NUTT.
Double-crested Cormorant. [623.]
- 643 a. **PHALACROCORAX DILOPHUS FLORIDANUS** (AUD.) RIDGW.
Florida Cormorant. [624.]
- 643 b. **PHALACROCORAX DILOPHUS CINCINNATUS** (BRANDT) RIDGW.
White-crested Cormorant. [622.]
644. **PHALACROCORAX MEXICANUS** (BRANDT) SCL. & SALV.
Mexican Cormorant. [625.]

645. **PHALACROCORAX PENICILLATUS** (BRANDT) HEERM.
Brandt's Cormorant. [626.]
646. **PHALACROCORAX VIOLACEUS** (GMEL.) RIDGW.
Violet-green Cormorant. [627.]
- 646a. **PHALACROCORAX VIOLACEUS RESPLENDENS** (AUD.) RIDGW.
Baird's Cormorant.
647. **PHALACROCORAX BICRISTATUS** PALL.
Red-faced Cormorant.
648. **PHALACROCORAX PERSPICILLATUS** PALL.
Pallas's Cormorant. [621.]
649. **FLOTUS ANHINGA** LINN.
American Anhinga; Snake Bird. [628.]
650. **SULA BASSANA** (LINN.) BRISS.
Gannet. [617.]
651. **SULA CYANOPS** SUNDEV.
Blue-faced Gannet.
652. **SULA LEUCOGASTRA** (BODD.) SALV.
Booby Gannet. [618.]
653. **SULA PISCATOR** (LINN.) BP.
Red-footed Booby.
654. **PHAETHON FLAVIROSTRIS** BRANDT.
Yellow-billed Tropic Bird. [629.]
655. **PHAETHON ÆTHEREUS** LINN.
Red-billed Tropic Bird.
656. **RHYNCHOPS NIGRA** LINN.
Black Skimmer. [697.]
657. **PAGOPHILA EBURNEA** (PHIPPS) KAUP.
Ivory Gull. [676, 677.]
658. **RISSA TRIDACTYLA** (LINN.) BP.
Kittiwake Gull. [672.]
- 658a. **RISSA TRIDACTYLA KOTZBUEI** (BP.) COUES.
Pacific Kittiwake.
659. **RISSA BREVIROSTRIS** BRANDT.
Red-legged Kittiwake. [674, 675.]
660. **LARUS GLAUCUS** BRÜNN.
Glaucous Gull; Burgomaster. [656.]
661. **LARUS LEUCOPTERUS** FABER.
White-winged Gull. [658.]
662. **LARUS GLAUDESCENS** LICHT.
Glaucous-winged Gull. [657, 659.]

663. **LARUS MARINUS** LINN.
Great Black-backed Gull. [660.]
664. **LARUS OCCIDENTALIS** AUD.
Western Gull. [662.]
- [665.] **LARUS AFFINIS** REINH.
Siberian Gull.
666. **LARUS ARGENTATUS** BRÜNN.
Herring Gull.
- 666a. **LARUS ARGENTATUS SMITHSONIANUS** COUES.
American Herring Gull. [661.]
667. **LARUS CACHINNANS** PALL.
Pallas's Herring Gull.
668. **LARUS CALIFORNICUS** LAWR.
Californian Gull. [663.]
669. **LARUS DELAWARENSIS** ORD.
Ring-billed Gull. [664.]
670. **LARUS BRACHYRHYNCHUS** RICH.
Short-billed Gull. [664a, 665, 673.]
- [671.] **LARUS CANUS** LINN.
Mew Gull.
672. **LARUS HEERMANNI** CASS.
Heermann's Gull. [666.]
673. **LARUS ATRICILLA** LINN.
Laughing Gull. [667.]
674. **LARUS FRANKLINI** SW. & RICH.
Franklin's Gull. [663, 669.]
675. **LARUS PHILADELPHIÆ** (ORD) GRAY.
Bonaparte's Gull. [670.]
676. **RHODOSTETHIA ROSEA** (MACGILL.) BRUCH.
Ross's Gull. [678.]
677. **XEMA SABINEI** (J. SABINE) LEACH.
Sabine's Gull. [680.]
678. **CREAGRUS FURCATUS** (NEB.) BP.
Swallow-tailed Gull. [679.]
679. **STERNA ANGLICA** MONTAG.
Gull-billed Tern. [681.]
680. **STERNA CASPIA** PALL.
Caspian Tern. [682.]
681. **STERNA REGIA** GAMB.
Royal Tern. [683.]

682. **STERNA ELEGANS** GAMB.
Elegant Tern. [684.]
683. **STERNA CANTIACA ACUFLAVIDA** (CABOT) RIDGW.
Cabot's Tern. [685.]
684. **STERNA TRUDEAUI** AUD.
Trudeau's Tern. [687.]
685. **STERNA FORSTERI** NUTT.
Forster's Tern. [691, 686.]
686. **STERNA FLUVIATILIS** NAUM.
Common Tern. [689.]
687. **STERNA MACRURA** NAUM.
Arctic Tern. [690, 693.]
688. **STERNA DOUGALLI** MONTAG.
Roseate Tern. [692.]
689. **STERNA ALEUTICA** BAIRD.
Aleutian Tern.
690. **STERNA ANTILLARUM** (LESS.) COUES.
Least Tern. [694.]
691. **STERNA FULIGINOSA** GMEL.
Sooty Tern. [688.]
692. **STERNA ANÆSTHETA** SCOP.
Bridled Tern.
693. **HYDROCHELIDON LARIFORMIS SURINAMENSIS** (GMEL.) RIDGW.
Black Tern. [695.]
- [694.] **HYDROCHELIDON LEUCOPTERA** (WEISN. & SCHINZ) BOIE.
White-winged Black Tern.
695. **ANOUS STOLIDUS** LINN.
Noddy Tern. [696.]
696. **MEGALESTRIS SKUA** (BRÜNN.) RIDGW.
Skua Gull. [652.]
697. **STERCORARIUS POMATORHINUS** (TEMM.) VIEILL.
Pomarine Jaeger. [653.]
698. **STERCORARIUS CREPIDATUS** (BANKS) VIEILL.
Richardson's Jaeger. [654.]
699. **STERCORARIUS PARASITICUS** (LINN.) SAUNDERS.
Long-tailed Jaeger. [655.]
700. **DIOMEDEA NIGRIPES** AUD.
Black-footed Albatross.
701. **DIOMEDEA BRACHYURA** TEMM.
Short-tailed Albatross. [631.]

- [702.] **DIOMEDEA CULMINATA** GOULD.
Yellow-nosed Albatross. [632.]
703. **PHŒBETRIA FULIGINOSA** (GMEL.) BP.
Sooty Albatross. [633.]
704. **OSSIFRAGA GIGANTEA** (GM.) REICH.
Giant Fulmar. [634.]
705. **FULMAREUS GLACIALIS** (LINN.) STEPH.
Fulmar Petrel. [635.]
- 705*a*. **FULMAREUS GLACIALIS PACIFICUS** (AUD.) BP.
Pacific Fulmar. [636.]
- 705*b*. **FULMAREUS GLACIALIS RODGERSI** (CASS.) COUES.
Rodger's Fulmar.
706. **PRIOCELLA TENUIROSTRIS** (AUD.) RIDGW.
Slender-billed Fulmar. [637.]
707. **PRIOFINUS MELANURUS** (BONN.) RIDGW.
Black-tailed Shearwater.
- [708.] **PUFFINUS KUHLI** (BOIE) BP.
Cinereous Shearwater. [651.]
709. **PUFFINUS MAJOR** FABER.
Greater Shearwater. [647.]
710. **PUFFINUS CREATOPUS** COOPER.
Pink-footed Shearwater.
- [711.] **PUFFINUS ANGLORUM** TEMM.
Manx Shearwater. [649.]
712. **PUFFINUS AUDUBONI** FINSCH.
Dusky Shearwater. [650.]
713. **PUFFINUS GAVIA** (FORST.) FINSCH.
Black-vented Shearwater.
714. **PUFFINUS FULIGINOSUS** STRICKL.
Sooty Shearwater. [648.]
715. **PUFFINUS GRISEUS** (GM.) FINSCH.
Dark-bodied Shearwater.
716. **PUFFINUS TENUIROSTRIS** TEMM.
Slender-billed Shearwater.
717. **CESTRELATA HÆSITATA** (TEMM.) COUES.
Black-capped Petrel. [638.]
- [718.] **CESTRELATA BULWERI** (JARD. & SELBY) COUES.
Bulwer's Petrel.
- [719.] **DAPTION CAPENSIS** (LINN.) STEPH.
Pintado Petrel; Cape Pigeon. [639.]

720. **HALOCYPTENA MICROSOMA** COUES.
Least Petrel.
721. **PROCELLARIA PELAGICA** LINN.
Stormy Petrel; Mother Carey's Chicken. [645.]
722. **OCEANITES OCEANICA** (KUHLE) COUES.
Wilson's Petrel. [644.]
723. **CYMOCHOREA LEUCORRHOA** (VIEILL.) COUES.
Leach's Petrel. [642.]
724. **CYMOCHOREA MELÆNA** (BP.) COUES.
Black Petrel. [643.]
725. **CYMOCHOREA HOMOCHROA** COUES.
Ashy Petrel.
726. **OCEANODROMA FURCATA** (GMEL.) BP.
Fork-tailed Petrel. [640.]
727. **OCEANODROMA HORNBYI** (GRAY) BP.
Hornby's Petrel. [641.]
728. **FREGETTA GRALLARIA** (VIEILL.) BP.
White-bellied Petrel. [646.]
729. **ÆCHMOPHORUS OCCIDENTALIS** (LAWR.) COUES.
Western Grebe. [704.]
730. **ÆCHMOPHORUS CLARKI** (LAWR.) COUES.
Clark's Grebe. [705.]
731. **PODICEPS HOLEÖLLI** REINH.
American Red-necked Grebe. [702, 703a.]
732. **DYTES AURITUS** (LINN.) RIDGW.
Horned Grebe. [706.]
- [733.] **DYTES NIGRICOLLIS** (SUND.) RIDGW.
Eared Grebe. [708.]
- 733a. **DYTES NIGRICOLLIS CALIFORNICUS** (HEERM.) RIDGW.
American Eared Grebe. [707.]
734. **TACHYBAPTES DOMINICUS** (LINN.) COUES.
St. Domingo Grebe. [708a.]
735. **PODILYMBUS PODICEPS** (LINN.) LAWRE.
Thick-billed Grebe. [709.]
736. **COLYMBUS TORQUATUS** BRÜNN.
Loon. [698.]
737. **COLYMBUS ADAMSI** GRAY.
Great White-billed Loon.
738. **COLYMBUS ARCTICUS** LINN.
Black-throated Diver. [699.]

739. **COLYMBUS PACIFICUS** LAWR.
Pacific Diver. [700.]
740. **COLYMBUS SEPTENTRIONALIS** LINN.
Red-throated Diver. [701.]
741. **ALCA IMPENNIS** LINN.
Great Auk. [710.]
742. **UTAMANIA TORDA** (LINN.) LEACH.
Razor-billed Auk. [711.]
743. **FRATERCULA ARCTICA** (LINN.) STEPH.
Common Puffin. [715, 716.]
- 743a. **FRATERCULA ARCTICA GLACIALIS** (LEACH) RIDGW.
Large-billed Puffin. [714.]
744. **FRATERCULA CORNICULATA** (NAUM.) GRAY.
Horned Puffin. [713.]
745. **LUNDA CIRRHATA** PALL.
Tufted Puffin. [712.]
746. **CERATORHINA MONOCERATA** (PALL.) CASS.
Horn-billed Puffin. [717, 718.]
747. **PHALERIS PSITTACULA** (PALL.) TEMM.
Parrot Auk. [725.]
748. **SIMORHYNCHUS CRISTATELLUS** (PALL.) MERREM.
Crested Auk. [719, 720.]
749. **SIMORHYNCHUS PYGMÆUS** (GMEL.) RIDGW.
Whiskered Auk. [721.]
750. **CICERONIA PUSILLA** (PALL.) RIDGW.
Least Auk. [722, 723.]
751. **PTYCORHAMPHUS ALEUTICUS** (PALL.) BRANDT.
Cassin's Auk. [724.]
752. **ALLE NIGRICANS** LINK.
Sea Dove; Dovekie. [738.]
753. **SYNTHLIBORHAMPHUS ANTIQUUS** (GM.) COUES.
Black-throated Guillemot. [736.]
754. **SYNTHLIBORHAMPHUS WURMIZUSUME** (TEMM.) COUES.
Temminck's Guillemot. [737.]
755. **BRACHYRHAMPHUS MARMORATUS** (GM.) BRANDT.
Marbled Guillemot. [732, 733.]
756. **BRACHYRHAMPHUS KITTLITZI** BRANDT.
Kittlitz's Guillemot. [735.]
757. **BRACHYRHAMPHUS HYPOLEUCUS** XANTUS.
Xantus's Guillemot.

758. **BRACHYRHAMPHUS CRAVERI** (SALVAD.) COUES.
Craver's Guillemot.
759. **BRACHYRHAMPHUS BRACHYPTERUS** BRANDT.
Short-winged Guillemot. [734.]
760. **URIA GRYLLE** (LINN.) BRÜNN.
Black Guillemot. [726.]
761. **URIA COLUMBA** (PALL.) CASS.
Pigeon Guillemot. [727.]
762. **URIA CARBO** (PALL.) GRAY.
Scoty Guillemot. [728.]
763. **LOMVIA TROILE** (LINN.) BRANDT.
Common Guillemot. [729, 730.]
- 763a. **LOMVIA TROILE CALIFORNICA** (BRYANT) COUES.
California Guillemot.
764. **LOMVIA ARRA** (PALL.) BP.
Thick-billed Guillemot.
- 764a. **LOMVIA ARRA BRUNNICHII** (SCH.) RIDGW.
Brunnich's Guillemot. [731.]

APPENDIX.

The following tables are intended as a condensed analysis of the changes which have taken place in North American ornithology since 1859, with other items of interest in the same connection.

a. Species eliminated from the catalogue of 1859.

Catalogue No.

4. CATIARTES BURROVIANUS, Cassin *Not North American?*
 6. FALCO NIGRICEPS, Cassin = No. 414.
 16. ACCIPITER MEXICANUS, Swains. = No. 431.
 19. BUTEO BAIRDII, Hoy = No. 442, *young*.
 21. BUTEO INSIGNATUS, Cassin = No. 442, *melanistic*.
 24. BUTEO MONTANUS, Nuttall = No. 435b, *lighter phase*.
 28. BUTEO OXYPTERUS, Cassin = No. 442, *young*.
 30. ARCHIBUTEO LAGOPUS, Gray = No. 447, *light phase*.
 40. HALIAETUS PELAGICUS, Siebold. *Not North American*.
 41. HALIAETUS WASHINGTONII, Jard. = No. 451, *young female*.
 56. NYCTALE ALBIFRONS, Cassin = No. 401, *young*.
 59. ATHENE CUNICULARIA, Bon. The true *cunicularia* is a South American form.*
 66. CROTOPHAGA RUGIROSTRIS, Sw. = No. 389.
 73. CAMPEPHILUS IMPERIALIS, Gray. *Not North American*.
 88. SPHYROPICUS WILLIAMSONII, Baird = No. 370, *adult male*.
 100. LAMPORNIS MANGO, Swains. *Not North American*. [= *L. violicauda* (Bodd.) Ell.]
 129. TYRANNUS MELANCHOLICUS, Vieill. *Not North American*.
 167a. Var. MNIOTILTA LONGIROSTRIS, Baird.†
 171. GEOTHYLPIS VELATUS, Cab. *Not North American*.
 215. MYIODICTES BONAPARTEI, Aud. = No. 127, *young*.
 239. COLLYRIO ELEGANS, Baird. An Asiatic species (*Lanius lahtora*, Sykes.).
 242. VIREO VIRESCENS, Vieill. = No. 135?
 253a. Var. MIMUS CAUDATUS, Baird. Not separable from *polyglottus*.
 259a. HARPORHYNCHUS VETULA, Baird = No. 15.
 261a. HARPORHYNCHUS LONGICAUDA, Baird. Scarcely separable from *rufus*.
 272. TROGLODYTES AMERICANUS, Aud. = No. 63.
 289a. Var. PARUS ALBESCENS, Baird = No. 41a.
 309. CARPODACUS HAEMORRHUIS, Wagl. *Not North American?*
 311. CHRYSOMITRIS STANLEYI, Bonap. *Not North American*. [= *C. BARBATA* (Mol.).]
 312. CHRYSOMITRIS YARRELLI, Bonap. *Not North American*.
 324. LEUCOSTICTE ARCTOUS, Bonap. No sufficient evidence of occurrence in North America.
 329. PLECTROPHANES MELANOMUS, Baird = No. 189.
 365. MELOSPIZA GOULDII, Baird = No. 231c.
 405. TRUPIALIS MILITARIS, Bonap. *Not North American*.

* There appears to be but a single race inhabiting North America.

† While there is undoubtedly a very appreciable difference between specimens of *M. varia* from the West Indies and those from the interior of Eastern North America in the length of the bill, it is the small-billed form which should receive a new name, since Linnæus's name *varia* was based upon the bird of the South Atlantic States and West Indies. If to be regarded as separable, the name *borealis*, Nutt., may be applied to the western birds.

Catalogue No.

424. *CORVUS CACALOTL*, Wagl. = No. 280.
 470. *LAGOPUS AMERICANUS*, Aud. = No. 475.
 482. *DEMIGRETTA PEALII*, Baird = No. 491, *white phase*.
 486a. *HERODIAS EGRETTA* v. *CALIFORNICA* = No. 489.
 488. *ARDEA WURDEMANNII*, Baird = No. 486, *colored phase*.
 494. *BUTORIDES BRUNNESCENS*, Baird. *Not North American*.
 514. *HAEMATOPUS ATER*, Vieillot. *Not North American*.
 566. *ANSER FRONTALIS*, Baird = No. 593a, *young*.
 603. *PELIONETTA TROWBRIDGII*, Baird = No. 633.
 605. *OIDEMIA BIMACULATA*, Baird = No. 632, *young*.
 630. *DIOMEDEA EXULANS*, Linn. *Not North American*.
 659. *LARUS CHALCOPHTERUS*, Lawr. = No. 662.
 665. *LARUS SUCKLEYI*, Lawr. = No. 670, *young*.
 669. *CHROICOCEPHALUS CUCULLATUS*, Br. = No. 674, *young, second year*.
 671. *CHROICOCEPHALUS MINUTUS*, Bruch. *Not North American*.
 673. *RISSA SEPTENTRIONALIS*, Lawr. = No. 670, *adult*.
 675. *RISSA NIVEA*, Bruch = No. 659.
 677. *PAGOPHILA BRACHYTARSI*, Hölb. = No. 657.
 686. *STERNA HAVELLI*, Aud. = No. 685, *winter plumage*.
 693. *STERNA PIKEI*, Lawr. = No. 687, *young*.
 703. *PODICEPS CRISTATUS*, Lath. *Not North American?*
 703a. *PODICEPS COOPERI*, Lawr. = No. 731, *young*.
 716. *SAGMATORHINA LABRADORIA*, Cas. = No. 745, *young*.
 718. *CERORHINA SUCKLEYI*, Cassin = No. 746, *young*.
 720. *PHALERIS TETRACULA*, Stephens = No. 748, *winter dress*.
 722. *PHALERIS MICROCEKOS*, Brandt = No. 750, *summer dress*.
 730. *URIA RINGVIA*, Brünnich = No. 763, *individual phase*.
 733. *BRACHYRHAMPHUS WRANGELII*, Br. = No. 755, *winter dress*.

Seven of the above are included in Coes's "Check List of North American Birds" (1873), viz. numbers 88, 100, 309, 488, 563a, 603, 693, and 703; the equivalent numbers of the "Check List" being, respectively, 305, 274, 141a, 450, 480a, 518a, 568, and 609—some of them bearing a different name from that given in the Smithsonian catalogue. Besides the foregoing, there are given in the "Check List" the following untenable names:

- 146a. *ÆGIOTHUS LINARIA* (L.) Cab. *var. FUSCESCENS*, Cs. = No. 179, *midsummer dress*
 157bis. *CENTRONYX OCHIROCEPHALUS*, Aiken = No. 191, *autumnal plumage*.
 [187.] *PASSER DOMESTICUS*, Linn. *An introduced species*.
 215a. *ICTERUS SPURIUS* (L.) Bp. *var. AFFINIS*, Lawr. Not separable from *I. spurius*.
 [283.] *AGYRTRIA LINNÆI* (Bp.) —. *Not North American*. [= *A. tobaci* (Gm.) Ell.]
 374a. *CHALCOPHILA PASSERINA* (L.) Sw. *var. PALLESCENS*, (Bd.) Cs. *Untenable race*.
 445ter [appendix]. *IBIS THALASSINUS*, Ridg. = No. 504, *young*.

*b. Species and races described or added to the North American fauna since 1859 **

6. *Turdus iliacus*, Linn.—*Cf. REINHARDT, Ibis, 1861, 6.* (Greenland; two examples.)
 7a. *MERULA MIGRATORIA PROPINQUA*, Ridgw.—*Turdus migratorius propinquus*, Bull. Nutt. Orn. Club, ii. Jan. 1877, 9. (Western U. S.)
 8. *MERULA CONFINIS*, Baird.—*Turdus confinis*, Review Am. B. i. 1864, 29. (Todos Santos, Cape St. Lucas.)
 14. *HARPORHYNCHUS CINEREUS*, Xantus.—*Proc. Philad. Acad. 1859, 293.* (Cape St. Lucas.)
 14a. *HARPORHYNCHUS CINEREUS BENDIREI*, Coues.—*Am. Nat. vii. June, 1873, 330, fig. 69.* (Tucson, Arizona; C. Bendire.)

* The new forms are in small capitals, the other additions in italics. In order to reduce the number of references to a minimum, only the original description, or the first North American record of a species is given. In some cases we have not been able to quote the first reference, but have done so whenever practicable.

Catalogue No.

- 15a. HARPORHYNCHUS CURVIROSTRIS PALMERI, Ridgw.—*H. curvirostris*, var. *palmeri*, Ridgw. in Cones's Key, 1872, 351. (Arizona.)
18. HARPORHYNCHUS GRAYSONI, Baird.—*Cf.* LAW. Ann. Lyc. N. Y. x. Feb. 1871, — (Socorro I.)
20. *Cyanocitta stelleri* (Linn.) Brehm.—*Cf.* ADAMS, Ibis, 1878, 422. (St. Michael's, Alaska; seven examples.)
31. REGULUS OBSCURUS, Ridgw.—*R. calendula obscurus*, Bull. U. S. Geol. & Geog. Surv. Terr. ii. No. 2, Apr. 1, 1876, 184. (Guadalupe I., Lower California.)
- 33a. REGULUS SATRAPA OLIVACEUS, Baird.—*R. satrapa*, var. *olivaceus*, Baird, Review Am. Birds, i. July, 1864, 65 (in text). (Western United States.)
34. *Phylloscopus borealis* (Blas.) Dress.—*Phyllopnuste kennicotti*, Baird, Trans. Chicago Acad. i. 1869, 313, pl. 30, fig. 2. (St. Michael's, Alaska.)
44. *Parus cinctus*, Bodd.—*P. sibiricus* (Gm.) Ridgw. Bull. Nutt. Orn. Club, ii. Jan. 1878, 37. (St. Michael's, Alaska; L. M. Turner.)
- 46a. PARUS RUFESCENS NEGLECTUS, Ridgw.—*P. rufescens*, β , *neglectus*, Proc. U. S. Nat. Mus. i. Apr. 25, 1879, 485. (Coast California.)
57. CAMPYLORHYNCHUS AFFINIS, Xantus.—Proc. Philad. Acad. 1859, 298. (Cape St. Lucas.)
- 58a. SALPINCTES OBSOLETUS GUADALUPENSIS, Ridgw.—Bull. U. S. Geol. & Geog. Surv. Terr. ii. No. 2, Apr. 1, 1876, 185. (Guadalupe I., Lower California.)
- 59a. CATHERPES MEXICANUS CONSPERSUS, Ridgw.—*C. mexicanus*, var. *conspersus*, Ridgw. Am. Nat. Oct. 1873, 602. (Middle Province of U. S.)
- 60b. THRYOTHORUS LUDOVICIANUS MIAMENSIS, Ridgw.—*T. ludovicianus* (Lath.) var. *miamensis*, Am. Nat. ix. Aug. 1875, 469. (Miami River, E. Florida.)
- 61a. THRYOMANES BEWICKI SPILURUS (Vig.) Baird.—Review Am. Birds, i. 1864, 126. (Pacific slope of United States.)
- 61b. THRYOMANES BEWICKI LEUCOGASTER, Baird.—Review Am. B. i. 1864, 127. (Southern border of U. S.)
62. THRYOMANES BREVICAUDA, Ridgw.—Bull. U. S. Geol. & Geog. Surv. Terr. ii. No. 2, Apr. 1, 1876, 186. (Guadalupe I., Lower California.)
64. TROGLODYTES INSULARIS, Baird.—*Cf.* LAW. Ann. Lyc. N. Y. x. Feb. 1871, 3, (Socorro I.)
- 65a. ANORTHURA TROGLODYTES PACIFICUS, Baird.—*T. hyemalis*, var. *pacificus*, Review Am. B. i. 1864, 145. (Pacific coast U. S.)
66. ANORTHURA ALASCENSIS, Baird.—*Troglodytes alascensis*, Trans. Chicago Acad. i. 1869, 315, pl. 30, fig. 3. (St. George's Island, Alaska; W. H. Dall.)
- 67a. TELMATODYTES PALUSTRIS PALUDICOLA, Baird.—*Cistothorus palustris*, var. *paludicola*, Review Am. B. i. 1864, 148. (Pacific coast U. S.)
69. *Motacilla alba*, Linn.—*Cf.* REINHARDT, Ibis, 1861, 6. (Greenland.)
70. *Budytes flava* (Linn.) Gray.—*Cf.* BAIRD, Trans. Chicago Ac. i. 1869, 3, pl. 30, fig. 1. (St. Michael's, Alaska; Pease & Bannister.)
72. *Anthus pratensis* (Linn.) Bechst.—*Cf.* PAULSEN, ed. Höllobl, Faun. Grönl. 1846, 24; REINH. Ibis, 1861, 6 (Greenland); B. B. & R. Hist. N. Am. B. i. 1874, 173. (St. Michael's, Alaska.)
- 74a. *Mniotilta varia borealis* (Nutt.) Ridgw. [See p. 213, foot-note.]
80. HELMINTHOPHAGA LAWRENCEI, Herrick.—Proc. Philad. Acad. 1874, 220, pl. xv. (New Jersey.)
82. HELMINTHOPHAGA LEUCOBRONCHIALIS, Brewster.—Am. Sportsman, v. Oct., 1874; Bull. Nutt. Orn. Club, i. 1876, 1, plate. (Massachusetts.)
83. HELMINTHOPHAGA LUCLE, Cooper.—Proc. Calif. Acad. Sci. July, 1861, 120. (Ft. Mojave, California.)
- 86a. HELMINTHOPHAGA CELATA LUTESCENS, Ridgw.—*H. celata*, var. *lutescens*, Ridgw. Am. Jour. Sci. & Arts, third ser. iv. Dec. 1872, 457. (Pacific coast U. S.)
89. PARULA PITIAYUMI INSULARIS (Lawr.) Ridgw.—*Parula insularis*, LAW. Ann. Lyc. N. Y. x. Feb. 1871. (Socorro I., N. W. Mexico.)

Catalogue No.

- 89a. PARULA PITIAYUMI NIGRILORA, Coues.—*P. nigrilora*, Bull. U. S. Geol. & Geog. Surv. Terr. iv. 1878, 11. (Hidalgo, Texas; G. B. Sennett.)
92. *Peucedramus olivaceus* (Giraud) Coues.—*Sylvia olivacea*, Giraud, Texan Birds, 1841, 14, pl. vii. fig. 2. ("Texas.")—*Dendroica olivacea*, HENSIL. Am. Sportsman, v. 328, Feb. 20, 1875; Orn. Wheeler's Exp. 1875, 202. (S. Arizona.)
- 103a. DENDROICA DOMINICA ALBILORA, Baird.—*D. Dominica*, var. *albilora*, Am. Nat. vii. Oct. 1873, 605. (Mississippi Valley, south to Guatemala and Honduras.)
104. DENDROICA GRACILE, Coues.—*Cf.* BAIRD, Review Am. B. i. 1864, 210. (Ft. Whipple, Arizona; Coues.)
106. DENDROICA CHRYSOPARIA, ScL. & Salv.—*Cf.* BAIRD, Review Am. B. i. 1864, 185, foot-note. (San Antonio, Texas; Heermann.)
- 113a. DENDROICA PALMARUM HYPOCHRYSEA, Ridgw.—Bull. Nutt. Orn. Club, Nov. 1876, 84, 85. (Atlantic States.)
- 116a. SIURUS NÆVIUS NOTABILIS, Grinnell.—*Cf.* RIDGW. Proc. U. S. Nat. Mus. iii. March 27, 1880, 12. (Black Hills, Wyoming.)
- 125a. MYIODIOCTES PUSILLUS PILEOLATUS (Pall.) Ridgw.—*Myiodiocytes pusillus*, var. *pileolata*, RIDGW. Am. Jour. Sci. & Arts, iv. Dec. 1872, 457; Am. Nat. vii. Oct. 1873, 607. (Pacific coast N. Am.)
131. *Cardellina rubrifrons* (Giraud) Sel.—*Muscicapa rubrifrons*, Giraud, Texan Birds, 1841, pl. vii. fig. 1. ("Texas.")—*Cardellina rubrifrons*, Henshaw, Orn. Wheeler's Exp. 1875, 211. (Arizona.)
133. *Basiluterus culicivorus* (Licht.) Bp.—*Muscicapa brasieri*, Giraud, Texan Birds, 1841, pl. vi. fig. 2.
134. *Basiluterus belli* (Giraud) ScL.—*Muscicapa belli*, Giraud, Texan Birds, 1841, pl. iv. fig. 1.
- 139a. VIREOSYLVA GILVA SWAINSONI, Baird.—*Vireo swainsoni*, Baird, B. N. Am. 1858, 336, in text. (Pacific coast U. S.)
- 141b. LANIVIREO SOLITARIUS PLUMBEUS (Coues) Allen.—*Vireosylva plumbea*, Coues, Proc. Philad. Acad. 1866, 73. (Ft. Whipple, Arizona.)
146. VIREO PUSILLUS, Coues.—Proc. Philad. Acad. 1866, 76. (Date Creek, Arizona.)
147. VIREO VICINIOR, Coues.—Proc. Philad. Acad. 1866, 75. (Ft. Whipple, Arizona.)
- 149b. LANIUS LUDOVICIANUS ROBUSTUS, Baird.—*Collurio Ludovicianus*, var. *robustus*, Am. Nat. vii. Oct. 1873, 608. (California?)
- 164a. PYRANGA ÆSTIVA COOPERI, Ridgw.—*Pyranga cooperi*, Proc. Philad. Acad. 1869, 130. (S. W. United States.)
167. PYRRIULA CASSINI, Baird.—*P. coccinea*, var. *cassini*, Trans. Chicago Acad. i. 1869, 316, pl. 29, fig. 1. (Nulato, Alaska; W. H. Dall.)
- 170a. *Carpodacus frontalis rhodocolpus* (Caban.) Ridgw.—*Cf.* RIDGW. Am. Jour. Sci. & Arts, v. Jan. 1873, 39. (Coast of California.)
171. CARPODACUS AMPLUS, Ridgw.—Bull. U. S. Geol. & Geog. Surv. Terr. ii. No. 2, Apr. 1, 1876, 187. (Guadalupe I., Lower Cal.; E. Palmer.)
- 175a. LEUCOSTICTE TEPHIROCOTIS LITTORALIS (Baird) Ridgw.—*L. littoralis*, Baird, Trans. Chicago Acad. i. 1869, 318, pl. 28, fig. 1. (Sitka, Alaska.)
176. LEUCOSTICTE ATRATA, Ridgw.—Am. Sportsman, July 18, 1874, 241. (Colorado; C. A. Aiken.)
177. LEUCOSTICTE AUSTRALIS, Allen.—*L. tephrocotis*, var. *australis*, Allen. *Cf.* RIDGW. Bull. Essex Inst. v. Nov. 1873, 189. (Mt. Lincoln, Colorado.)
- 178a. ÆGIOTHUS CANESCENS EXILIPES (Coues) Ridgw.—*Ægiothus exilipes*, COUES, Proc. Philad. Acad. Nov. 1861, 385. (Arctic America.)
- 179a. *Ægiothus linaria holbölli* (Brehm) Ridgw.—*Linaria holbölli*, BREHM, Vög. Deutschl.
180. ÆGIOTHUS BREWSTERI, Ridgw.—*Ægiothus (flavivestris var.) brewsterii*, Ridgw. Am. Nat. July, 1872, 433. (Waltham, Mass.)
- 182a. ASTRAGALINUS PSALTRIA ARIZONÆ (Coues) Ridgw.—*C. mexicana*, var. *arizonæ*, Coues, Proc. Philad. Acad. 1866, 82. (Ft. Whipple, Arizona.)

Catalogue No.

192. *PASSERCULUS PRINCEPS*, Maynard.—Am. Nat. vi. 1872, 637. (Ipswich, Mass.)
195. *PASSERCULUS GUTTATUS*, Lawr.—Am. Lyc. N. Y. viii. 1867, 473 (Cape St. Lucas).
Cf. COOPER, Orn. Cal. i. 1870, 185.
- 197a. *Poæctes gramineus confinis*, Baird.—*P. gramineus*, var. *confinis*, Baird, B. N. Am. 1858, 448, in text.. (Western U. S.)
- 198a. *COTURNICULUS PASSERINUS PERPALLIDUS*, Ridgw.—*C. passerinus*, var. *perpallidus*, Ridgw. in Cones's "Key", 1872, 137. (Western U. S.)
- 201a. *AMMODROMUS CAUDACUTUS NELSONI*, Allen.—Proc. Boston Soc. xvii. March, 1875, 93. (N. E. Illinois.)
203. *AMMODROMUS NIGRESCENS*, Ridgw.—*A. maritimus*, var. *nigrescens*, Ridgw. Bull. Essex Inst. Dec. 1873, 198. (Indian R., Florida.)
- 204a. *Chondestes grammica strigata* (Sw.) Ridgw.
- Mr. H. K. Coale, of Chicago, Ill., has lately called my attention to certain differences between eastern (typical) and western specimens of this species, which, upon examination of a large series, I find to be quite constant and sufficiently appreciable to warrant the recognition of a western race. Western birds being exactly like those from Mexico in those points in which they differ from eastern specimens, Swainson's name *strigatus* (*Chondestes strigatus*, Philos. Jour. i. 1827, 435), based upon the Mexican bird, is available for the western and southern race.
- 207a. *ZONOTRICHIA GAMBELI INTERMEDIA*, Ridgw.—*Z. leucophrys*, var. *intermedia*, RIDGW. Bull. Essex Inst. Dec. 1873, 198. (Middle Province of U. S., north to Alaska.)
- 211a. *SPIZELLA SOCIALIS ARIZONÆ*, Coes.—*S. socialis*, var. *arizonæ*, COUES, Key, 1872, 143. (Ft. Whipple, Arizona.)
216. *JUNCO AIKENI*, Ridgw.—*J. hymnalis*, var. *Aikeni*, RIDGW. Am. Nat. Oct. 1873, 612, 614. (Mts. of Colorado; C. E. Aiken.)
219. *JUNCO ANNECTENS*, Baird.—Orn. Cal. i. 1870, 564. (Rocky Mts., Ft. Bridger to Arizona and New Mexico.)
223. *JUNCO INSULARIS*, Ridgw.—Bull. U. S. Geol. & Geog. Surv. Terr. ii. No. 2, Apr. 1, 1876, 188. (Guadalupe I., Lower Cal.; E. Palmer.)
- 225a. *AMPHISPIZA BELLI NEVADENSIS*, Ridgw.—*Poospiza bellii*, var. *nevadensis*, Ridgw. Bull. Essex Inst. Nov. 1873, 191. (Middle Province of U. S.)
- 226a. *PEUCEA ÆSTIVALIS ILLINOENSIS*, Ridgw.—*P. illinoensis*, Bull. Nutt. Orn. Club, Oct. 1879, 219. (Texas to S. Illinois.)
227. *PEUCEA ARIZONÆ*, Ridgw.—*P. æstivalis*, var. *Arizona*, RIDGW. Am. Nat. Oct. 1873, 615. (S. Arizona.)
229. *PEUCEA CARPALIS*, Coes.—Am. Nat. vii. June, 1873, 322. (Tucson, Arizona; C. Beudire.)
- 230a. *PEUCEA RUFICEPS BOUCARDI* (Sel.) Ridgw.—Cf. HENSHAW, Orn. Wheeler's Exp. 1874, 117. (S. Arizona and S. New Mexico.)
- 231d. *Melospiza fasciata guttata* (Nutt.) Ridgw.
- This is the "*M. rufina*" of the old catalogue. The true *M. rufina* (Brandt) is a larger and darker form from Sitka, rediscovered since the publication of "Birds of North America" (1858).
- 231e. *Melospiza fasciata rufina* (Brandt) Ridgw.—Cf. B. B. & R. Hist. N. Am. B. ii. 1874, 29. (British Columbia to Sitka.)
232. *Melospiza cinerea* (Gmel.) Ridgw.—"*M. insignis*", BAIRD, Trans. Chicago Acad. i. 1869, 319, pl. 29, fig. 2. (Kadiak, Alaska; F. Bischoff.)
- 237a. *PIPILO ERYTHROPHIALMUS ALLENI*, Coes.—*P. alleni*, COUES, Am. Nat. v. Aug, 1871, 366. (Florida.)
- 238e. *PIPILO MACULATUS CONSOBRINUS*, Ridgw.—Bull. U. S. Geol. & Geog. Surv. Terr. ii. No. 2, Apr. 1, 1876, 189. (Guadalupe I., Lower Cal.)
- 238d. *PIPILO MACULATUS CARMANI* (Lawr.) Ridgw.—*Pipilo carmani*, LAW. Ann. Lyc. N. Y. x. 1871. 7. (Socorro I., N. W. Mexico.)

Catalogue No.

- 240a. PIPILO FUSCUS ALBIGULA (Baird) Ridgw.—*P. albigula*, BAIRD, Proc. Philad. Acad. Nov. 1859, 305. (Cape St. Lucas.)
- 242a. CARDINALIS VIRGINIANUS IGNEUS, Baird.—*C. igneus*, BAIRD, Proc. Philad. Acad. Nov. 1859, 305. (Cape St. Lucas.)
253. *Phonipara zena* (Linn.) Bryant.—*Cf.* B. B. & R. Hist. N. Am. B. ii. 1874, 93. (Key West, Florida; H. W. Henshaw.)
- 258a. *Molothrus ater obscurus* (Gmel.) Coues.—*M. obscurus*, CASS. Proc. Philad. 1866, 18. (Lower California.)
259. *Molothrus aeneus* (Wagl.) Cab.—*Cf.* MERRILL, Bull. Nutt. Orn. Club, i. July, 1876, 88. (Ft. Brown, Texas.)
- 263a. STURNELLA MAGNA MEXICANA (Sel.) Ridgw.—*Cf.* BREWER, Bull. Nutt. Orn. Club, iii. July, 1878, 152. (Ft. Brown, Texas; J. C. Merrill.)
276. *Quiscalus palustris* (Swains.) Cassin.—“*Q. major*”, GAMBEL, Jour. Philad. Acad. i. 1847, 47. (Gulf of California.)*
- 278b. QUISCALUS VERSICOLOR AENEUS, Ridgw.—*Q. aeneus*, Ridgw. Proc. Philad. Acad. 1869, 134. (Mississippi Valley, Hudson's Bay Terr., Maine, etc.)
- [279.] *Sturnus vulgaris*, Linn.—*Cf.* REINHARDT, Ibis, 1861, 7. (Greenland.)
- 290a. CYANOCITTA STELLERI FRONTALIS, Ridgw.—*Cyanura stelleri*, var. *frontalis*, RIDGW. Am. Jour. Sci. & Arts, third ser. v. Jan. 1873, 41, 43. (Sierra Nevada, California.)
- 290b. CYANOCITTA STELLERI ANNECTENS, Baird.—*Cyanura stelleri*, var. *annectens*, Baird, in B. B. & R. Hist. N. Am. Birds, ii. 1874, 281, in text. (Northern Rocky Mts.)
- 297a. PERISOREUS CANADENSIS CAPITALIS, Baird.—*P. canadensis*, var. *capitalis*, BAIRD, Bull. Essex Inst. v. Nov. 1873, 193. (Rocky Mountains.)
- 297b. PERISOREUS CANADENSIS FUMIFRONS, Ridgw.—Proc. U. S. Nat. Mus. iii. March 27, 1880, 5. (Coast of Alaska.)
298. PERISOREUS OBSCURUS, Ridgw.—*P. canadensis*, var. *obscurus*, RIDGW. Bull. Essex Inst. Nov. 1873, 194. (Northwest coast of U. S.)
- [299.] *Alauda arvensis*, Linn.—*Cf.* DRESSER & SHARPE, Birds Eur. pt. —, and B. B. & R. Hist. N. Am. B. ii. 1874, 136. (Greenland and Bermuda.)
- 300a. EREMOPHILA ALPESTRIS LEUCOLEMA, Coues.—Birds N. W. 1874, 38. (Interior plains N. Am.)
- 300b. *Eremophila alpestris chrysolama* (Wagl.) —.—*E. cornuta*, var. *chrysolama*, BAIRD, B. N. Am. 1858, 403, in text. (Southwestern U. S.)
308. *Pitangus derbianus* (Kaup) Sel.—*P. derbianus*, COUES, The Country, July 13, 1878, 184. (Lomita, Texas; G. B. Sennett.)
309. *Myiozetetes texensis* (Giraud) Sel.—*Muscicapa texensis*, GIRAUD, Texan Birds, 1841, pl. 1. (“Texas.”)
310. *Myiodynastes luteiventris*, Bonap.—*Cf.* HENSHAW, Orn. Wheeler's Exp. 1875, 346, pl. xiv. (S. Arizona.)
319. *Contopus pertinax*, Cab. & Hein.—*Cf.* COUES, Proc. Philad. Acad. 1866, 60. (Ft. Whipple, Arizona.)
329. *Empidonax fulvifrons* (Giraud) Sel.—*Muscicapa fulvifrons*, GIRAUD, Texan Birds, 1841, pl. ii. (“Texas.”)
- 329a. EMPIDONAX FULVIFRONS PALLESCENS (Coues) Ridgw.—*Mitrephorus pallescens*, COUES, Proc. Philad. Acad. 1866, 63. (Ft. Whipple, Arizona.)
331. *Ornithion imberbe* (Sel.) Coues.—“*O. incanescens*”, COUES, The Country, July 13, 1878, 184. (Lomita, Texas; G. B. Sennett.)
334. *Eugenes fulgens* (Sw.) Gould.—*Cf.* HENSHAW, Am. Nat. Apr. 1874, 241; Orn. Wheeler's Exp. 1875, 379. (Mt. Graham, Arizona.)
341. SELASPHORUS ALENI, Henshaw.—Bull. Nutt. Orn. Club, ii. 1877, 54. (Coast of California.)

* The National Museum possesses an example of what is apparently this species from the coast of Louisiana.

Catalogue No.

342. *Atthis heloisea* (Less. & Del.) Rich.—*Cf.* ELLIOT, Illustr. Am. B. i. 1869, xxi. xii. plate. (El Paso, Texas; J. H. Clarke.)
343. *Stellula calliope*, Gould.—*Calothorax calliope*, XANTUS, Proc. Philad. Acad. 1859, 190. (Ft. Tejon, Cal.)
344. *Calothorax lucifer* (Sw.) Gray.—“*Doricha enicura*”, HENSIL, Am. Sportsman, v. 328, Feb. 20, 1875; Orn. Wheeler's Exp. 1875, 381. *Cf.* LAWR. Bull. Nutt. Orn. Club, ii. Oct. 1877, 108. (Camp Bowie, Arizona.)
345. *Amazilia fuscicaudata* (Fras.) Ridgw.—“*Pyrophaua riefferi*”, MERRILL, Bull. Nutt. Orn. Club, i. Oct. 1876, 88. (Ft. Brown, Texas.) *Cf.* RIDGW. Proc. U. S. Nat. Mus. i. 1878, 147 (synonymy and diagnosis).
346. *Amazilia cervineicentris*, Gould.—“*A. cervineicentris*”, MERRILL, Bull. Nutt. Orn. Club, ii. Jan. 1877, 26. (Ft. Brown, Texas.) *Cf.* RIDGW. Proc. U. S. Nat. Mus. i. 1878, 148 (synonymy and diagnosis).
347. BASILINNA XANTUSI (Lawr.) Elliot.—*Amazilia xantusi*, LAWR. Ann. N. Y. Lyc. vii. April, 1860, 100 (= ♀).—*Heliopectica castaneocauda*, LAWR. t. c. 145 (= ♂). (Cape St. Lucas.)
348. *Iache latirostris* (Sw.) Elliot.—*Circe latirostris*, HENSIL, Am. Sportsman, v. Feb. 20, 1875; Orn. Wheeler's Exp. 1875, 380. (Chiricahua Mts., S. Arizona.)
- 357b. *Chordeiles popetue minor* (Cab.) Ridgw.—*Cf.* B. B. & R. Hist. N. Am. B. iii. 1874, 520. (Miami, Florida; C. J. Maynard.)
- 360a. *Picus villosus leucomelas* (Bodd.) Ridgw.—*Picus leucomelas*, Bodd. Tabl. P. E. 1783 (ex. Pl. Enlum. 345, fig. 1 = ♀ ad.).
- 363a. PICUS SCALARIS LUCASANUS (Xant.) Coues.—*P. lucasanus*, XANTUS, Proc. Philad. Acad. 1859, 203, 202. (Cape St. Lucas.)
365. *Picus stricklandi*, Mall.—*Cf.* HENSHAW, Am. Sportsman, v. 328, Feb. 20, 1875; Orn. Wheeler's Exp. 1875, 389. (S. Arizona.)
- 377a. MELANERPES FORMICIVORUS ANGUSTIFRONS, Baird.—*M. formicivorus*, var. *angustifrons*, BAIRD, Orn. Cal. i. 1870, 405. (Cape St. Lucas.)
380. COLAPTES RUFIPILEUS, Ridgw.—*C. mexicanus rufipileus*, Bull. Geog. & Geol. Surv. Terr. ii. No. 2, Apr. 1, 1876, 191. (Guadalupe I., Lower Cal.)
390. *Crotophaga sulcirostris*, Swains.—*Cf.* COUES, The Country, July 13, 1878, 184. (Lomita, Texas; G. B. Sennett.)
393. CONURUS HOLOCILORUS BREVIPES, Baird.—*Conurus holochlorus*, var. *brevipes*, “Baird, MS.”, LAWR. Ann. Lyc. N. Y. x. 1871, —. (Socorro I.)
- 397a. STRIX NEBULOSA ALLENI, Ridgw.—Proc. U. S. Nat. Mus. iii. March 27, 1880, —. (Clearwater, S. Florida.)
398. STRIX OCCIDENTALIS (Xant.) Ridgw.—*Syrnium occidentale*, XANTUS, Proc. Philad. Acad. 1859, 193. (Ft. Tejon, Cal.)
- 399a. *Ulula cinerea lapponica* (Retz.) Ridgw.—*Syrnium lapponicum*, RIDGW. Bull. Nutt. Orn. Club, iii. Jan. 1878, 37. (St. Michael's, Alaska; L. M. Turner.)
- 402a. SCOPS ASIO FLORIDANUS, Ridgw.—*S. asio*, var. *floridanus*, RIDGW. Bull. Essex Inst. Dec. 1873, 200. (Florida.)
- 402c. SCOPS ASIO MAXWELLÆ, Ridgw.—*S. asio*, ϵ , *maxwellia*, RIDGW. Field & Forest, June, 1877, 210, 213. (Boulder Co., Colorado.)
- 402d. SCOPS ASIO KENNICOTTI, (Elliot) Coues.—*S. Kennicottii*, ELLIOT, Proc. Philad. Acad. 1867, 69; Illustr. Am. B. 1869, pl. 11. (Sitka, Alaska; F. Bischoff.)
403. *Scops trichopsis*, Wagl.—“*S. asio*, var. *maccalli*”, B. B. & R. Hist. N. Am. B. iii. 1874, 52. (New Mexico.)
404. *Scops flammeolus* (Licht.) Sel.—*Cf.* COOPER, Orn. Cal. i. 1870, 422. (Ft. Crook, N. California.)
- 405a. *Bubo virginianus subarcticus* (Hoy) Ridgw.—*Bubo subarcticus*, Hoy, Proc. Philad. Acad. vi. 1852, 211. (Wisconsin.) [=“var. *arcticus*” of Hist. N. Am. B. iii. 1874, 64.]
- 405b. *Bubo virginianus arcticus* (Swains.) Cass.—*Bubo arcticus*, Swains. F. B. A. ii. 1831, 86, pl. 30. (Interior of fur countries.)

Catalogue No.

- 405c. *BUBO VIRGINIANUS SATURATUS*, Ridgw.—Orn. 40th Parallel, 1877, 572, foot-note.
(Northern coast N. Am.) [=“var. *pacificus*” of Hist. N. Am. B. iii. 65.]
- 407a. *Surnia funerca ulula* (Linn.) Ridgw.—*Cf.* RIDGW. Bull. Nutt. Orn. Club, iii. Jan. 1878, 38. (St. Michael's, Alaska; L. M. Turner.)
- 408a. *SPOTYTO CUNICULARIA FLORIDANA*, Ridgw.—*S. cunicularia*, var. *floridana*, RIDGW. Am. Sportsman, iv. No. 14, July 4, 1874, 216. (Sarasota Bay, Florida.)
410. *Glaucidium phalaenoides* (Daud.) ScL. & Salv.—*G. ferrugineum* (Max.) COUES, Am. Nat. vi. 1872, 370. (Tucson, Arizona; C. Bendire.)
411. *MICRATHENE WHITNEYI* (Cooper) Coues.—*Athene whitneyi*, COOPER, Proc. Cal. Acad. Sci. ii. 1863, 118. (Ft. Mojave, S. E. California.)
- 412b. *Hierofalco gyrfalco sacer* (Forst.) Ridgw.—*F. sacer*, FORSTER, Philos. Trans. lxii. 1772, 383, 423. (Hudson's Bay Terr.)
- 412c. *Hierofalco sacer obsoletus* (Gm.) Ridgw.—*Falco obsoletus*, Gmel. S. N. i. 1788, 268. (Hudson's Bay Terr.)
- 414a. *FALCO PEREGRINUS PEALEI*, Ridgw.—*F. communis*, var. *Pealei*, RIDGW. Bull. Essex Inst. Dec. 1873, 201. (Northwest coast N. Am.)
416. *Æsalon regulus* (Pall.) Blyth.—*Falco æsalon* NEWTON, Man. Nat. Hist. Greenl. 1875, p. 96. (At sea, near Greenland, lat. 57° 41' N., long. 35° 23' W.)
- 417a. *ÆSALON COLUMBARIUS SUCKLEYI*, Ridgw.—*Falco columbarius*, var. *Suckleyi*, RIDGW. Bull. Essex Inst. v. Dec. 1873, 201. (Northwest coast N. Am.)
418. *ÆSALON RICHARDSONI*, Ridgw.—*Falco (Hypotriorchis) richardsonii*, RIDGW. Proc. Philad. Acad. Dec. 1870, 145. (Interior of North America.)
421. *Tinnunculus sparrerioides* (Vig.) Gray. (Florida.)*
422. *Tinnunculus alaudarius* (Gm.) Gray.—*Cf.* NEWTON, Man. Nat. Hist. Greenl. 1875, 96. (Off Cape Farewell, Greenland.)
424. *POLYBORUS LUTOSUS*, Ridgw.—Bull. U. S. Geol. & Geog. Surv. Terr. No. 6, 2d ser. Feb. 8, 1876, 459. (Guadalupe I., Lower California.)
- 433a. *ASTUR ATRICAPILLUS STRIATULUS*, Ridgw.—*A. palumbarius*, var. *striatulus*, Ridgw. in Hist. N. Am. B. iii. 1874, 240. (Western N. Am.)
435. *Buteo vulgaris*, Leach.—*Cf.* MAYNARD, Bull. Nutt. Orn. Club, i. No. 1, April, 1876, 2-6. (Pawpaw, Mich.)
- 436a. *BUTEO BOREALIS KRIDERI*.—“*B. borealis*, variety *kriderii*,” Hoopes, Proc. Philad. Acad. 1873, 238, pl. v. (=juv.; Winnebago Co., Iowa.)
- 436c. *BUTEO BOREALIS LUCASANUS*, Ridgw.—*B. borealis*, var. *lucasanus*, Hist. N. Am. B. iii. 1874, 258, 285. (Cape St. Lucas.)
- 436d. *BUTEO BOREALIS SOCORROENSIS*.
In the “Proceedings” of the Boston Society of Natural History, 1871, p. 42, Mr. Lawrence refers to a “*Buteo borealis*, var. *montanus*, Nutt.” as being very abundant on the island of Socorro, where it is the only species of hawk to be found, and where it is a “constant resident, rearing its young, and subsisting entirely on land crabs”, etc. In the same paper, p. 10, Mr. Lawrence applies the same name to a hawk occurring abundantly on the Tres Marias Islands, and there subsisting “entirely upon the Iguana lizard and rabbits.” In “History of North American Birds”, vol. iii, p. 285 (1874), I referred the Tres Marias bird to *Buteo borealis* var. *costaricensis*, and described our only specimen from that locality as the young of that form, although I had not, from want of specimens, been able to compare it with the corresponding age of the Central American bird. I now have strong doubts as to its being the same as *B. costaricensis*, while as to the hawk found on Socorro I regard it quite certain that it is, like the Caracara of Guadalupe (*Polyborus lutosus*), a species or race peculiar to that remote island, the birds of which are for the most part entirely local. I therefore propose to name, provisionally, the Socorro Hawk *B. borealis socorroensis*.
440. *Buteo abbreviatus*, Cabanis, in Schomb. Guiana, iii. 1848, 739.—“*B. zonocercus*, ScL.”, COOPER, Orn. Cal. i. 1870, 479. (Coast of California, near San Diego.)

*There is a male of this species in my collection said to have been obtained in Florida. It was found with a collection of Florida birds, forming part of a dealer's stock, and was evidently the same “make” of skin as the rest of the lot.

Catalogue No.

441. *Buteo albicaudatus* (Vieill.)—*B. albicaudatus*, COUES, The Country, i. 184, July 13, 1878. (Lomita, Texas; G. B. Sennett). Cf. RIDGW. Proc. U. S. Nat. Mus. i. Oct. 2, 1878, 154 (synonymy and descriptions).
444. *Urubitinga anthracina* (Licht.) Nitzsch.—Cf. HENSHAW, Am. Sportsman. v. 328, Feb. 20, 1875; Orn. Wheeler's Exp. 1875, 420. (Arizona.)
446. ONYCHOTES GRUBERI, Ridgw.—Proc. Philad. Acad. Dec. 1870, 149. (California.)
450. *Thrasaetus harpyia*.
According to Dr. Felix L. Oswald, in the *American Naturalist*, 1878, p. 151, a specimen of the Harpy Eagle was shot at the "delta of the Rio Grande", in Texas, by Professor S. B. Buckley, State geologist of Texas. A full account of the circumstance is given in Dr. Oswald's interesting article. I have seen somewhere a record of the occurrence of this species in Louisiana, but cannot now lay hand on the reference. According to my recollection, the record may be found in an old number of the "Proceedings" of the Philadelphia Academy of Sciences, or else of the Zoölogical Society of London.
461. ZENAIDURA GRAYSONI, Baird.—Cf. LAWRENCE, Ann. Lye. N. Y. x. 1871, 17; Proc. Boston Soc. xiv. 1871, 299. (Socorro I.)
463. *Engyptila albifrons* (Bp.) Cones.—*Echmoptila albifrons*, Cones, Bull. U. S. Geol. & Geog. Surv. Terr. iv. No. 1. 1878, 48 (South Texas); Ridgw. Proc. U. S. Nat. Mus. i. Oct. 1878, 158 (synonymy).
- 471a. CANACE OBSCURA FULIGINOSA, Ridgw.—*C. obscura*, var. *fuliginosa*, Ridgw. Bull. Essex Inst. Dec. 1873, 199. (Northwest coast, Oregon to Sitka.)
- 471b. *Canace obscura richardsonii* (Dougl.) Ridgw.—*Tetrao richardsonii*, "SABINE, MSS.", DOUGL. Linn. Trans. xvi. 1829, 141.
- 477a. CUPIDONIA CUPIDO PALLIDICINCTA, Ridgw.—*C. cupido*, var. *pallidicincta*, Ridgw. Bull. Essex Inst. Dec. 1873, 199. (Southwestern prairies.)
- 478a. *Pediicetes phasianellus columbianus* (Ord) Ridgw.—*Phasianus columbianus*, Ord, Guthrie's Geog. 2d Am. ed. ii. 1815, 317.—*Pediicetes columbianus*, ELLIOT, Pr. Ac. Nat. Sci. Philad. 1862, 403.
- 480a. ORTYX VIRGINIANA FLORIDANA, Cones.—*O. virginianus*, var. *floridanus*, COUES, Key, 1872, 237. (Florida; J. A. Allen.)
- 481a. *Oreortyx picta plumifera* (Gould) Ridgw.—*Ortyx plumifera*, Gould, P. Z. S. 1837, 42.
488. *Ardea cinerea*, Linn.—Cf. REINH. Ibis, 1861, 9. (Greenland.)
499. *Mycteria americana*, Linn.—Cf. COUES, Check List, 1873, 135. (Austin, Texas.)
506. *Hematopus ostralegus*, Linn.—Cf. REINH. Ibis, 1861, 9. (Greenland.)
512. *Vanellus cristatus* (Linn.) Meyer.—Cf. REINH. Ibis, 1861, 9. (Greenland.)
514. *Charadrius pluralis*, Linn.—Cf. NEWTON, Man. Nat. Hist. Greenl. 1875, 101. (Greenland.)
- 515a. *Charadrius dominicus fulvus* (Gmel.) Ridgw.—*C. fulvus*, COUES, Elliott's Prybilov Islands, 1875, 179; Birds N. W. 1874, 450, foot-note. (Prybilov Islands, Alaska.)
518. *Ægialites hiaticula* (Linn.) Boie.—Cf. NEWTON, Man. Nat. Hist. Greenl. 1875, 101. (Greenland.)
519. *Ægialites curonicus* (Gmel.) Gray.—Introduced as *Æ. microrhynchus*, Ridgw., n. s., Am. Nat. viii. Feb. 1874, 109. ("San Francisco, Cal.")
- 520a. *ÆGIALITES MELODUS CIRCUMCINCTUS*, Ridgw.—*E. melodus*, var. *circumcinctus*, Am. Nat. viii. Feb. 1874, 109. ("Plains between Missouri River and Rocky Mountains.")
524. *Scelopax rusticula*, Linn.—Cf. BAIRD, Am. Jour. Arts & Sciences, xli. May, 1866, 25. (Newfoundland.)
526. *Gallinago media*, Leach.—Cf. REINH. Ibis, 1861, 11. (Greenland.)
531. ARQUATELLA COUESI, Ridgw.—Bull. Nutt. Orn. Club, July, 1880, 160. (Aleutian islands and contiguous coast of Alaska.)
532. ARQUATELLA PTILOCNEMIS (Cones) Ridgw.—"*Tringa crassirostris*", DALL, Am. Nat. viii. 1873, 635 (St. Paul's I., Alaska).—*Tringa ptilocnemis*, COUES, Elliott's Prybilov Islands, 1875, foot-note.

Catalogue No.

533. *Actodromus acuminata* (Horsf.) Ridgw.—Obtained at St. Michael's, Alaska, by Mr. E. W. Nelson, U. S. Signal Service, and by Dr. T. H. Bean, of the National Museum, at Port Clarence, on the Arctic coast of Alaska.
- Numerous specimens of this Indian and Australian species, all in the autumnal plumage, have been obtained by Mr. Nelson. Dr. Bean's example was obtained September 9, 1880, at Port Clarence, on the Arctic coast. Mr. Nelson is entitled to the credit of being the first to discover this species in America, and the announcement should have been made in his name; but owing to the apparent miscarriage of a letter on the subject, I have been unable to get the data upon which to base such publication.
537. *ACTODROMAS BAIRDII*, Coues.—Proc. Philad. Acad. 1861, 194. (Arctic America.)
539. *Pelidna alpina* (Linn.) Boic.—*Tringa alpina*, NEWTON, Man. Nat. Hist. Greenl. 1875, 103. (Greenland.)
- 541a. *EREUNETES PUSILLUS OCCIDENTALIS* (LAWR.) Coues.—*E. occidentalis*, LAWR. Proc. Philad. Acad. 1864, 107. (Pacific coast U. S.)
544. *Limosa lapponica nova-zealandia*, Gray.—*L. uropygialis*, BAIRD, Trans. Chicago Acad. i. 1869, 320, pl. 32. (Alaska.)
546. *Limosa ægocephala* (Linn.) Leach.—*Cf.* REINH. Ibis, 1861, 11. (Greenland.)
551. *Rhyacophilus ochropus* (Linn.) Ridgw.—*Cf.* BREWER, Bull. Nutt. Orn. Club, iii. Jan. 1878, 49. (Nova Scotia.)
561. *Numenius phæopus* (Linn.) Lath.—*Cf.* REINH. Ibis, 1861, 10. (Greenland.)
562. *Numenius tahitiensis* (Gmel.) Cass.—“*Numenius femoralis*, PEALE”, RIDGW. Am. Nat. July, 1874, 435. (Kadiak, Alaska; F. Bisehoff.)
563. *Parra gymnostoma*, Wagl.—*Cf.* MERRILL, Bull. Nutt. Orn. Club, i. Nov. 1876, 88 (Ft. Brown, Texas); RIDGW. Proc. U. S. Nat. Mus. i. 1878, 167, pl. iii. (synonymy and descriptions).
570. *RALLUS OBSOLETUS*, Ridgw.—*R. elegans*, var. *obsoletus*, RIDGW. Am. Nat. viii. Feb. 1874, 111. (Coast California.)
- 571a. *RALLUS LONGIROSTRIS SATURATUS*, Hensh.—*Cf.* RIDGW. Bull. Nutt. Orn. Club, July, 1880, 140. (Louisiana.)
573. *Porzana maruetta* (Leach) Bp.—“*Ortygometra porzana* (Linn.)”, REINH. Ibis, 1861, 12. (Greenland.)
- 576a. *PORZANA JAMAICENSIS COTURNICULUS*, Baird.—*P. jamaicensis*, var. *coturniculus*, BAIRD, Am. Nat. viii. Feb. 1874, 111. (Farallone Islands, California.)
586. *Olor cygnus* (Linn.) Bp.—“*Cygnus ferus*, RAY”, REINH. Ibis, 1861, 13. (Greenland.)
587. *Olor minor* (Pall.) Bp.—“*Cygnus bewickii*”, Sw. & Rich. F. B. A. ii. 1831, 465. (“Igloodik [Arctic America], lat. 66°, June 19, 1823.” Said to breed “on the sea-coast within the Arctic circle.” The description, from specimens killed at locality quoted above, is of the true *O. minor*, or Bewick's Swan.)
592. *CHEN ROSSI* (Baird) Ridgw.—*Anser rossii*, “BAIRD, MSS.”, CASS. Proc. Philad. Acad. 1861, 73. (Arctic America.)
593. *Anser albifrons* (Gm.) Bechst.—*Cf.* REINH. Ibis, 1861, 12. (Greenland.)
603. *ANAS FULVIGULA*, Ridgw.—*A. obscura*, var. *fulvigula*, Am. Nat. viii. Feb. 1874, 111. (Florida.)
- 627a. *SOMATERIA MOLLISSIMA DRESSERI* (Sharpe) Coues.—*S. dresseri*, SHARPE, Ann. Mag. N. H. July, 1871, 51, figs. 1, 2.
- This bird has been called by all American writers *S. mollissima*. The true Eider, however, has only lately been detected in America, it being the form found by Mr. Kumlien breeding abundantly on the west side of Cumberland Gulf.
631. *Melanetta fusca* (Linn.)—*Cf.* REINHARDT, Vid. Medd. Nat. För. Kjöbenhavn, 1879, 1. (South Greenland.)
- 646a. *Phalacrocorax violaceus resplendens* (Aud.) Ridgw.—*Graculus bairdii*, “GRUBER, MSS.”, COOPER, Proc. Philad. Acad. Jan. 1865, 5. (Farallone Islands.)

Catalogue No.

647. *Phalacrocorax bicristatus*, Pallas.—“*Graculus bicristatus*, Pallas”, Baird, Trans. Chicago Acad. i. 1869, —, pl. 33. (St. George’s I., Alaska; W. H. Dall.)
651. *Sula cyanops*, Sundev.—*Cf.* LAW. Proc. Boston Soc. xiv. 1871, 302. (Socorro I.)
653. *Sula piscator* (Linn.) Cass.—*Cf.* LAW. Proc. Boston Soc. xiv. 1872, 303. (Socorro I.)
655. *Phaëthon athereus*, Linn.—*Cf.* FREKE, Sci. Proc. Roy. Dubl. Soc. 1879.* (Banks of Newfoundland, August, 1876.)
665. *Larus affinis*, Reinh.—Vid. Medd. Nat. För. Kjobenhavn, 1853, 78. (Greenland.)
- 666a. LARUS ARGENTATUS SMITHSONIANUS, Coues.—*L. smithsonianus*, COUES, Proc. Philad. Acad. 1862, 296. (North America.)
667. *Larus cachinnans*, Pall.—“*Larus borealis*, Brandt”, BAIRD, Trans. Chicago Acad. i. 1869, 305. (St. Michael’s, Alaska; Bischoff.)
671. *Larus canus*, Linn.—*Cf.* BREWER, Bull. Nutt. Orn. Club, iii. Jan. 1878, 50. (Labrador; Coues.)
689. STERNA ALEUTICA, Baird.—Trans. Chicago Acad. i. 1869, 321, pl. 31, fig. 1. (Kadiak, Alaska; Bischoff.)
692. *Sterna anæstha*, Scopoli.—*Sterna (Haliplana) anæstha*, COUES, Key, 1872, 322 (Florida.)
694. *Hydrochelidon leucoptera* (Meisn.) Boie.—*Cf.* BREWER, Am. Nat. March, 1874, 188. (Lake Koshkonong, Wisconsin; T. Kumlien.)
- 705b. FULMAREUS GLACIALIS RODGERSI (Cass.) Coues.—*F. rodgersii*, CASS. Proc. Philad. Acad. 1862, 290 (North Pacific); BAIRD, Trans. Chicago Acad. i. 1869, 323, pl. 34, fig. 1 (St. Georges I., Alaska).
710. PUFFINUS CREATOPUS, Cooper.—*Cf.* COUES, Proc. Philad. Acad. 1864, 131. (Coast California.)
713. *Puffinus gavia* (Forst.) Finsch.—*P. opisthomelas*, COUES, Proc. Philad. Acad. 1864, 139. (Coast California.)
715. *Puffinus griseus* (Gmel.) Finsch.—*Nectris amaurosoma*, COUES, Proc. Philad. Acad. 1864, 124.
716. *Puffinus tenuirostris*, Temm.—*Nectris tenuirostris*, DALL & BANNISTER, Trans. Chicago Acad. i. 1869, 303. (Kotzebue Sound.)
718. *Æstrelata bulweri* (Jard.) Gigl. & Salvad.—*Thalassidroma bulweri*, NEWTON, Man. Nat. Hist. Greenl. 1875, 108.
720. HALOCYPTENA MICROSOMA, Coues.—Proc. Philad. Acad. 1864, 78. (Coast of California.)
725. CYMOCHOREA HOMOCHROA, Coues.—Proc. Philad. Acad. 1864, 77. (Coast of California.)
737. *Colymbus adamsi*, Gray.—Proc. Zool. Soc. Lond. 1859, 167. (Alaska.)
- 763a. LOMVIA TROILE CALIFORNICA (Bryant) Coues.—*Catarractes californicus*, BRYANT, Proc. Boston Soc. N. H. (Farallone Islands.)
764. *Lomvia arra*, Pall.—*Cephus arra*, Pall. Zoög. Rosso-As. ii. 1811, 347. (Alaska.)

c. List of North American genera which have been described or added to the fauna since 1859, together with those whose names or orthography have been changed since that date.

1. HYLOCICHLA, Baird, Review Am. B. i. June 2, 1864, 12 (type, *Turdus mustelinus*, Gmel.).

The *Turdus musicus* of Europe is a strict congener of *T. mustelinus*, and it is possible that some generic name may have been based upon it previous to the imposition of *Hylocichla*.

6. *Turdus*, Linnæus, S. N. ed. 10. i. 1758, 168 (type, *T. viscivorus*, Linn.).

The *T. iliacus*, although not agreeing strictly with *T. viscivorus* in details of external structure, is still hardly different enough to entitle it to separation. It is much more like true *Turdus* than either of the other American genera (*Hylocichla* and *Merula*).

* We cannot cite the page of the “Proceedings”, but the record appears on p. 44 of separate pamphlet entitled “A Comparative List of Birds found in Europe and North America. By Percy Evans Freke.”

Catalogue No.

7. *Merula*, "Leach, 1816" (type, *Turdus merula*, Linn.).

The proper generic division of the typical thrushes is a matter of considerable difficulty. Of the North American generic groups, *Hyllocichla* and *Hesperocichla* of Baird are sufficiently isolated, the latter being represented by a single species, the former by all the smaller spotted species, besides the Song Thrush (*Turdus musicus*, Linn.) of Europe. I find no American species agreeing at all closely with *Turdus viscivorus* (the type of *Turdus*) in form; and a generic division based wholly or chiefly on coloration being out of the question, I find no other alternative than to adopt for the Robin and other American thrushes usually referred to "*Plencsticus*" of Bonaparte (1854) the name *Merula*, Leach (1816), there being no essential difference in form between the type of the latter, *Turdus merula*, Linn. (*Merula nigra*, Leach) and our Robin (*T. migratorius*, Linn.); while a number of the Neotropical species exhibit the same sexual difference in coloration as *T. merula*. I would also refer to *Merula* the following Old World forms: *Turdus pilaris*, Linn. (type of *Arcuthornis*, Kaup, 1829), *Turdus atrogularis*, Temm. (type of *Cichloides*, Kaup, 1829), *Turdus torquatus*, Linn. (type of *Thoracocincla*, Reich., 1850), with perhaps some others.

9. HESPEROCICHLA, Baird, Review Am. B. i. July, 1864, 32 (type, *Turdus naevius*, Gmel.).
12. *Galeoscoptes*, Cabanis, Mus. Hein. i. 1850, 82 (type, *Muscicapa carolinensis*, Linn.).
19. *Cinclus*, Bechstein, Gemein. Naturg. 1802 (type, *Sturnus cinclus*, Linn.). [Cf. BAIRD, Review Am. B. i. 1864, 59, foot-note.]
20. *Cyanocula*, Brehm, Vög. Deutschl. 1828 (type, *Motacilla suecica*, Linn.).
34. *Phylloscopus*, Boie, Isis, 1826, 792 (type ?)
50. AURIPARUS, Baird, Review Am. B. i. Aug. 1864, 85 (type, *Ægithalus flaviceps*, Sundev.).
61. THRYOMANES, Selater, Cat. Am. B. 1861, 22 (type, *Troglodytes bewicki*, Aud.).
65. *Anorthura*, Rennie, Montagu's Orn. Dict. 2d ed. 1831, 570 (type, *A. communis*, Rennie = *Motacilla troglodytes*, Linn.).
67. *Telmatorodytes*, Cabanis, Mus. Hein. i. 1850, 78 (type, *Certhia palustris*, Wils.).
69. *Motacilla*, Linnæus, S. N. 1735 (type, *M. alba*, Linn.).
70. *Budytes*, Cuvier, Règ. An. i. 1817, 371 (type, *Motacilla flava*, L.).
76. *Helonæa*.—*Helinaia*, Audubon, Synop. 1839, 66 (type, *Sylvia swainsoni*, Aud.). [Orthography emended by AGASSIZ, Nomencl. 1847. Cf. NEWTON, P. Z. S. 1879, 552.]
90. PERISSOGLOSSA, Baird, Review Am. B. i. 1864, 180 (type, *Motacilla tigrina*, Gm.).
92. PEUCEDRAMUS, Coles, in Henshaw's Orn. Wheeler's Survey, 1875, 201 (type, *Sylvia olivacea*, Giraud).
115. *Siurus*.—Cf. COUES, Bull. Nutt. Orn. Club.
124. *Wilsonia*, Bonaparte, Comp. List. 1838, 23 (type, *Sylvia mitrata*, Aud.?). [Cf. COUES, Bull. Nutt. Orn. Club, April, 1880, 95.*]
131. *Cardellina*, "Dubus", Bonap. Consp. i. 1850, 312 (type, *Cardellina amicta*, Dubus = *Muscicapa rubrifrons*, Giraud).
132. ERGATICUS, Baird, Review Am. B. i. May, 1865, 264 (type, *Setophaga rubra*, Swains.).
133. *Basileuterus*, Cabanis, in Schomb. Guiana, iii. 1848, 666 (type, *Sylvia vermivora*, Vieill.).
135. *Vireosylva*, Bonaparte, Comp. List. 1838, 26 (type, *Muscicapa olivacea*, Linn.).
140. LANIVIREO, Baird, Review Am. B. i. May 23, 1866, 345 (type, *Vireo flavifrons*, Vieill.?).

* It is exceedingly doubtful whether *Wilsonia*, Bp., should displace *Myiodioctes*, Aud. Bonaparte's name occurs first in a mere list, is used only as a heading for a subgeneric group, and is unaccompanied either by a diagnosis or an indication of type. Audubon, however, only a year later, in designating the same group of birds by the new generic term *Myiodioctes*, gave an excellent diagnosis of the generic characters. It appears to us that the slight difference of date in favor of Bonaparte's name is greatly overbalanced by the pains which Audubon took to duly characterize his genus, thus conforming to the requirements of nomenclatural laws, which Bonaparte failed to do.

[Note.—Upon reconsideration of all the facts bearing on the case, I see no reason why *Myiodioctes* should not be preferred, and accordingly restore it in this edition of the catalogue.]

Catalogue No.

148. *Lanius*, Linnæus, S. N. ed. 10, 1758, 93 (type, *L. excubitor*, Linn.). [Cf. COUES, Birds Colorado Val. i. 1878, 539.]
153. *Petrochelidon*, Cabanis, Mus. Hein. i. 1850, 47 (type, *Hirundo melanogaster*, Sw. = *P. swainsoni*, ScL.).
155. *Tachycineta*, Cabanis, Mus. Hein. i. 1850, 48 (type, *Hirundo thalassina*, Sw.).
157. *Cotile*, Boie.—Cf. WHARTON, The Ibis, Oct. 1879; COUES, Bull. Nutt. Orn. Club, April, 1880, 96.
158. *Stelgidopteryx*, Baird, B. N. Am. 1858, 312, in text (type, *Hirundo serripennis*, Aud.).
167. *Pyrrhula*, Brisson, Orn. 1760 (type, *Loxia pyrrhula*, Linn. = *Emberiza coccinea*, Sandb.).
172. *Loxia*, Linnæus, S. N. ed. 10, i. 1758, 171 (type, *L. curvirostra*, Linn.).
181. *Astragalinus*, Cabanis, Mus. Hein. i. 1851, 159 (type, *Friugilla tristis*, Linn.).
187. *Centrophanes*, Kaup, Ent. Gesch. Eur. Thierw. 1829 (type, *Emberiza lapponica*, Linn.).
190. *Rhyuchophanes*, Baird, B. N. Am. 1858, 432, in text (type, *Plectrophanes maccowi*, Lawr.).
224. *Amphispiza*, Coues, Birds N. W. 1874, 234 (type, *Emberiza bilineata*, Cass.).
244. ZAMELODIA, Coues, Bull. Nutt. Orn. Club, v. April, 1880, 98 (type, *Loxia ludoviciana*, Linn.).
247. *Passerina*, Vieillot, Analyse, 1816, 30 (type, *Tanagra cyanea*, Linn.). [Cf. COUES, l. c. 96.]
253. *Phonipara*, Bonaparte, Consp. i. 1850, 494 (type, *Loxia canora*, Gmel.).
254. *Spiza*, Bonaparte, Obs. Wils. Orn. 1825 (part); Specc. Comp. 1827, 47 (type, *Emberiza americana*, Gmel.!). [See anteâ, 3.]
279. *Sturnus*, Linnæus, S. N. ed. 10, i. 1758, 167 (type, *S. vulgaris*, Linn.).
285. *Gymnocitta*.—Cf. COUES, Bull. Nutt. Orn. Club, April, 1880, 98.
289. *Cyanocitta*, Strickland, Ann. Mag. N. H. xv. 1845, 260 (type, *Corvus cristatus*, Linn.). [Cf. COUES, Bull. Nutt. Orn. Club, April, 1880, 98.]
291. *Aphelocoma*, Cabanis, Mus. Hein. i. 1851, 221 (type, *Garrulus californicus*, Vig.).
299. *Alauda*, Linnæus, S. N. ed. 10, i. 1758, 165 (type, *A. arvensis*, Linn.).
308. *Pitangus*, Swainson, Zool. Jour. iii. 1827, 165 (type ?).
309. *Myiozetetes*, Selater, ex. Schiff.—*Myiozeta*, "Schiff.", Bp. Compt. Rend. xxxviii. 1854, — (type ?).—*Myiozetetes*, Sel. P. Z. S. 1859, 46.
310. *Myiodynastes*, Bonaparte, Compt. Rend. xxxviii. 1854, 657 (type ?).
331. *Ornithion*, Hartlaub, Jour. für Orn. 1853, 35 (type, *O. inerme*, Hartl.).
332. *Pachyrhamphus*, "Gray, 1838" (type, *Pachyrhynchus cavieri*, Spix = *Tityra viridis*, Vieill.).
333. HADROSTOMUS, Cabanis, Mus. Hein. ii. Oct. 24, 1859, 84 (type, *Tityra atricapilla*, Vieill.).
334. *Eugenes*, Gould, Mon. Troch. pt. xii. 1856 (type, *Trochilus fulgens*, Swains.).
337. CALYPTE, Gould, Introd. Troch. oct. ed. 1861, 87 (type, *Ornismya costæ*, Bourc.).
342. *Atthis*, Reichenbach, Aufz. der Colib. 1853, 12 (type, *Ornismya heloisæ*, Less. & Delattr.).
343. *Stellula*, Gould, Introd. Troch. oct. ed. 1861, 90 (type, *Trochilus calliope*, Gould).
344. *Calothorax*, Gray, Gen. B. 1840, 13 (type, *Cyananthus lucifer*, Swains.).
345. *Amazilia*, Lesson.—*Amazilis*, LESS. Ind. Gen. et Syn. du Gen. Troch. 1832, p. xxvii. (type, *Orthorhynchus amazili*, Less.).—*Amazilia*, Reich. Av. Syst. Nat. 1849, pl. 39.
347. *Basilinna*, Boie, Isis, 1831, 546 (type, *Trochilus leucotis*, Vieill.).
348. LACHE, Elliot, Synop. Troch. March, 1879, 234 (type, *Cyananthus latirostris*, Swains.).
349. *Cypselus*, Illiger, Prodr. 1811, 229 (type, *C. apus*, Linn.). [Cf. anteâ, 6.]
350. *Cypseloides*, Streubel, Isis, 1848, 366 (type, *Cypselus fumigatus*, Natt.). [Cf. Selater, P. Z. S. 1865, 614.]
354. *Caprimulgus*, Linnæus, S. N. ed. 10, i. 1858, 193 (type, *C. europæus*, Linn.). [Cf. Proc. U. S. Nat. Mus. i. 1878, 143; ib. iii. 1880, 5.]

Catalogue No.

355. PHALENOPTILUS, Ridgway, Proc. U. S. Nat. Mus. iii. March 27, 1880, 5 (type, *Caprimulgus nuttalli*, Aud.).
366. *Xenopicus*, Baird, B. N. Am. 1858, 83, in text (type, *Leuconerpes albolarvatus*, Cass.).
394. *Aluco*, Fleming, Phil. Zool. ii. 1828, 236 (type, *Strix flammea*, Linn.). [Cf. NEWTON, Yarrell's Brit. B. ed. 4, i. 150; Ibis, v. 94-105.]
395. *Asio*, Brisson, Orn. i. 1766, 28 (type, *Strix otus*, Linn.).
397. *Strix*, Linnaeus, S. N. ed. 10, i. 1758, 92 (type, *S. stridula*, Linn.). [Cf. NEWTON, Ibis, ser. iii vi. 94-105.]
399. *Ulula*, Cuvier, Règ. An. i. 1817, 329 (type, *Strix uralensis*, Pall.).
- In *History of North American Birds* (vol. iii, pp. 28-30) I adopted for the Great Gray Owl (*Strix cinerea*, Gmel.) the subgeneric name *Scotiapterx*, Swains., based upon this species, and on p. 8 of these Proceedings raised the same name to generic rank. A subsequent examination of *Strix uralensis*, Pallas, however, reveals the fact that the latter is strictly congeneric with *S. cinerea* and *S. lapponica*, and having been made the type of a genus *Ulula* by Cuvier, in 1817, the latter name must take precedence over *Scotiapterx*, which was not founded until 1831.
408. *Speotyto*, Gloger, Handb. Naturg. 1842, 226 (type, *Strix cucularia*, Mol.).
411. MICRATHENE, Coues, Proc. Philad. Acad. 1866, 51 (type, *Athene whitneyi*, Cooper.).
412. *Hierofalco*, Cuvier, Règ. An. i. 1817, 312 (type, *Falco candicans*, Gm.).
416. *Æsalon*, Kaup, Natürl. Syst. 1829, 40 (type, *Falco asalon*, Gmel. = *F. regulus*, Pall.)
419. RHYNCHOFALCO, Ridgway, Proc. Boston Soc. 1873, 46 (type, *Falco femoralis*, Temm. = *F. fusco-carulcescus*, Vieill.).
426. *Elanoides*, Vieillot, Nouv. Dict. xxiv. 1818, 101 (type, *Falco furcatus*, Linn.).
434. ANTENOR, Ridgway, Proc. Boston Soc. Nat. Hist. May, 1873, 63 (type, *Falco uicinctus*, Temm.).
444. *Urubitinga*, Lesson, Rev. Zool. 1839, 132 (no type!); Lafr. in d'Orb. Dict. Hist. Nat. ii. 1842, 786 (type, *Falco urubitinga*, Gm. = *F. zonurus*, Shaw).
446. ONYCHOTES, Ridgway, Proc. Philad. Acad. Dec. 1870, 142 (type, *O. gruberi*, Ridgw.).
450. *Thrasæctus*, Gray, Proc. Zool. Soc. Lond. 1837, 108 (type, *Falco harpyia*, Linn.).
451. *Haliæctus*, Savigny.—This is the original and correct orthography. [Cf. GRAY, Handb. i. 1869, 16; COUES, Bull. Nutt. Orn. Club, Apr. 1880, —.]
453. PSEUDOGRYPHUS, Ridgway, in B. B. & R. Hist. N. Am. B. iii. Jan. 1874, 337, 338 (type, *Fultur californianus*, Shaw).
455. *Catharista*, Vieillot, Analyse, 1816, 21 (type, *Fultur urubu*, Vieill. = *F. atrata*, Bartr. Cf. RIDGW. Bull. Nutt. Orn. Club, April, 1880, 80).
463. ENGYPTILA, Sundevall, Met. Nat. Av. Disp. Tent. 1872, 156 (type, *Columba rufaxilla*, Rich. & Bern.).
467. GEOTRYGON, Gosse, Birds Jam. 1847, 316, foot-note (type, *G. sylvatica*, Gosse = *Columba cristata*, Temm.).
469. *Ortalis*.—Cf. WHARTON, The Ibis, Oct. 1879, 450. [= *Ortaliola*, Merrem (false orthography).]
471. *Canace*, Reichenbach, Av. Syst. Nat. 1851 (type, *Tetrao canadensis*, Linn.).
491. DICHROMANASSA, Ridgway, Bull. U. S. Geol. & Geog. Surv. Terr. iv. No. 1, Feb. 5, 1878, 246 (type, *Ardea rufa*, Bodd.).
492. HYDRANASSA, Baird, B. N. Am. 1858, 660, in text (type, *Ardea isidoriana*, Gmel. = *A. tricolor*, Müll.).
499. *Mycteria*, Linnaeus, S. N. i. 1758, 140 (type, *M. americana*, Linn.).
501. *Eudociaus*, Wagler, Isis, 1832, 1232 (type, *Scelopax rubra*, Linn.). [Cf. ELLIOT, Ibis, 1877, 482.]
503. *Plegadis*, Kaup, Skizz. Ent. Gesch. 1829, 82 (type, *Tantalus falcinellus*, Linn.). [Cf. SCLATER & SALVIN, Ibis, 1878, 112.]
505. *Ajaja*, Reichenbach, Handb. 1851, p. xvi. (type, *Platalea ajaja*, Linn. = *P. rosea*, Briss.). [Cf. RIDGWAY, Proc. U. S. Nat. Mus. iii. 1880, 10.]

Catalogue No.

512. *Vanellus*, Meyer, Vög. Deutschl. i. 1810, 10 (ex. Linn. 1735; type, *Tringa vanellus* Linn.).
516. *Oxyechus*, Reichenbach, Av. Syst. 1853, Introd. p. xviii. (type, *Charadrius vociferus*, Linn.).
522. *Ochthodromus*, Reichenbach, l. c. (type, *Charadrius wilsonius*, Ord.).
523. PODASOCYS, Coues, Proc. Philad. Acad. 1866, 96 (type, *Charadrius montanus*, Towns.).
524. *Scolopax*, Linnæus, S. N. ed. 10, i. 1758, 145 (type, *S. rusticula*, Linn.).
530. *Arquatella*, Baird, B. N. Am. 1858, 717 (type, *Tringa maritima*, Brünn.).
533. *Actodromas*, Kaup, Sk. Ent. Eur. Thierw. 1829, 37 (type, *Tringa minuta*, Leisl.).
539. *Pelidna*, Cuvier, Règ. An. 1817, 490 (type, *Tringa alpina*, Linn.).
547. *Totanus*, Bechstein, Nat. Deutschl. 1803 (type, *Scolopax calidris*, Linn.).
554. *Machetes*, Cuvier, Règ. An. 1817 (type, *Tringa pugnax*, Linn.). [Cf. COUES, Bull. Nutt. Orn. Club, Apr. 1880, 100.]
555. *Bartramia*, Lesson, Traité Ois. 1831, 553 (type, *B. laticauda*, Less. = *Tringa longicauda*, Bechst.). [Cf. COUES, l. c.]
564. *Lobipes*, Cuvier, Règ. An. 1817 (type, *Tringa hyperborea*, Linn.).
565. *Steganopus*, Vieillot, Enc. Méth. 1823 (type, *S. tricolor*, Vieill. = *Phalaropus wilsoni*, Sab.).
568. *Parra*, Linnæus, S. N. i. ed. 12, 1766, 259 (type, *P. jacana*, Linn.). [For generic characters and illustrations, see these Proceedings, vol. i. pp. 165, 167, pl. iii.]
578. *Ionornis*, Reichenbach, Av. Syst. 1853, 21 (type, *Fulica martinica*, Linn.).
586. *Olor*, Wagler, Isis, 1832, 1234 (type, *Cygnus musicus*, Bechst. = *Anas cygnus*, Linn.).
590. *Chen*, Boie, Isis, 1822 (type, *Anas hyperborea*, Pall.).
598. PHILACTE, Bannister, Proc. Philad. Acad. Nov. 1870, 131 (type, *Anas canagicus*, Sewast.).
619. *Clangula*, Fleming, Philos. Jour. 1828 (type, *Anas clangula*, Linn.). [Cf. DRESSER, B. Eur. pt. xlvi. Dec. 1875; COUES, Bull. Nutt. Orn. Club, April, 1880, 101.]
635. NOMONYX, Ridgway, Proc. U. S. Nat. Mus. iii. March 27, 1880, 15 (type, *Anas dominica*, Linn.).
642. *Phalacrocorax*, Brisson, Orn. 1760 (type, *Pelecanus carbo*, Linn.). [Cf. SHARPE, Cat. B. Brit. Mus. iii. 1877, 146, foot-note.]
696. *Megalestris*, Bonaparte, Consp. ii. 1856, 206 (type, *Larus catarractes*, Linn. = *Catharacta skua*, Brünn.). [Cf. COUES, B. N. W. 1874, 603, 604, where, however, *Buphagus*, Mæhring, is adopted; but Mæhring's names being inadmissible,* *Megalestris*, Bp., "strictly its only synonym" seems the only one available.]
703. *Phæbetria*, Reichenbach, Av. Syst. Nat. 1853, pl. 26, fig. 348 (type, *Diomelea fuliginosa*, Gmel.).
704. *Ossifraga*, Hombrom & Jacquinet, Compt. Rend. xviii. 1844, 356 (type, *Procellaria gigantea*, Gmel.).
706. *Præocella*, Hombrom & Jacquinet, Compt. Rend. xviii. 1844, 357 (type, *Procellaria glacialisoides*, Smith = *P. tenuirostris*, Aud.).
707. *Præofinus*, Hombrom & Jacquinet, Compt. Rend. xviii. 1844, 355 (type, *Procellaria cinerea*, Gmel. (?) = *P. melanura*, Bonn.).
717. *Æstreclata*, Bonaparte, Consp. ii. 1855, 188 (type, *Procellaria hæsitata*, Temm.).
720. HALOCYPTENA, Coues, Proc. Philad. Acad. 1854, 78 (type, *H. microsoma*, Coues).
721. *Procellaria*, Linnæus, S. N. ed. 12, i. 1766, 212 (type, *P. pelagica*, Linn.).
722. *Oceanites*, Keyserling & Blasius, Wirb. Eur. 1840, 238 (type, *Procellaria oceanica*, Kuhl.).

*Cf. COUES, Bull. Nutt. Orn. Club, April, 1880, p. 100, sp. 437, *Machetes pugnax*.

Catalogue No.

723. *Cymochorea*, Coues, Proc. Philad. Acad. 1864, 75 (type, *Procellaria leucorrhoea*, Vieill.).
726. *Oceanodroma*, Reichenbach, Av. Syst. 1853, xviii. (type, *Procellaria furcata*, Gmel.).
730. *Aechmophorus*, Coues, Proc. Philad. Acad. 1862, 229 (type, *Podiceps occidentalis*, Lawr.).
732. *Dytes*, Kaup, Syst. Ent. Eur. Thierw. 1829 (type, *Colymbus cornutus*, Gmel.).
734. *Tachybaptus*, Reichenbach, Syst. Nat. Av. 1853, pl. 2 (type, *Colymbus minor*, Gmel.).
742. *Utamania*, Leach, Syst. Cat. 1816 (type, *Alca torda*, Linn.). [Cf. COUES, Proc. Philad. Acad. 1863, 18, 19.]
743. *Fratercula*, Brisson, Orn. 1760 (type, *Alca arctica*, Linn.). [Cf. COUES, Proc. Philad. Acad. 1868, 21.]
745. *Lunda*, Pallas, Zogr. Rosso-As. 1811, 363 (type, *Alca cirrhata*, Pall.). [Cf. COUES, Proc. Philad. Acad. 1868, 26.]
746. *Ceratorhinca*.—Cf. COUES, Key, 1872, 341. [= *Cerorhinca*, Bonap. Ann. Lyc. N. Y. ii. 1828, 428 (false orthography).]
748. *Simorhynchus*, "Merrem, —, 1819 (type, *Alca cristatella*, Pall. *vide* G. R. Gray)". [Cf. COUES, Proc. Philad. Acad. 1868, 35.]
750. *Ciceronia*, Reichenbach, Av. Syst. Nat. 1853, — (type, *Phalacrocorax microcoros*, Brandt = *Uria pusilla*, Pall.).
752. *Alle*, Link, Beschr. Natur.-Samml. Univ. Rostock, 1806, 17 (type, *A. nigricans*, Link = *Alca alle*, Linn.). [Cf. COUES, Bull. Nutt. Orn. Club, iv. Oct. 1879, 244.]
753. *Synthliboramphus*, BRANDT, Bull. Acad. St. Petersb. ii. 1837 (type, *Alca antiqua*, Gmel.).
763. *Lomvia*, Brandt, Bull. Acad. St. Petersb. ii. 1837, 345 (type, *Colymbus troille*, Linn.). [Cf. COUES, Proc. Philad. Acad. 1868, 75.]

d. *Species included in the catalogue which have not yet (according to the records) actually been taken within the prescribed limits.*

[The following species enumerated in the catalogue have not, to this date, been taken within the United States; but all are known to occur so near our southern border as to render it quite certain that their capture within our limits is but a question of time and investigation. There are also included in this category all the species which are peculiar to the islands of Socorro and Guadalupe and the peninsula of Lower California.]

8. MERULA CONFINIS. (Cape St. Lucas.)
14. HARPORHYNCHUS CINEREUS. (Cape St. Lucas.)
18. HARPORHYNCHUS GRAYSONI. (Socorro.)
31. REGULUS OBSCURUS. (Guadalupe.)
43. PARUS MERIDIONALIS. (Highlands of Mexico.)
49. PSALTRIPARUS MELANOTIS.* (Highlands of Mexico.)
- 55a. CERTHIA FAMILIARIS MEXICANA. (Highlands of Mexico.)
57. CAMPYLORHYNCHUS AFFINIS. (Cape St. Lucas.)
- 58a. SALPINCTES OBSOLETUS GUADALUPENSIS. (Guadalupe.)
62. THRYOMANES BREVICAUDA. (Guadalupe.)
89. PARULA PITIAYUMI INSULARIS. (Socorro.)
171. CARPODACUS AMPLUS. (Guadalupe.)
195. PASSERCULUS GUTTATUS. (Cape St. Lucas.)
223. JUNCO INSULARIS. (Guadalupe.)
- 233c. PIPILUS MACULATUS CONSOBRINUS. (Guadalupe.)
- 233d. PIPILUS MACULATUS CARMANI. (Socorro.)
- 240a. PIPILUS FUSCUS ALBIGULA. (Cape St. Lucas.)

*Probably seen by me in August, 1868, in the East Humboldt Mts., Nevada. (Cf. Orn. 40th Parallel Exp. 1877, p. 415.)

Catalogue No.

267. ICTERUS WAGLERI. (Mexico.)
 288. PSILORHINUS MORIO. (E. Mexico.)
 291. APHELOCOMA ULTRAMARINA COUCHI. (E. Mexico.)
 347. BASILINNA XANTUSI. (Cape St. Lucas.)
 363a. PICUS SCALARIS LUCASANUS. (Cape St. Lucas.)
 377a. MELANERPES FORMICIVORUS ANGUSTIFRONS. (Cape St. Lucas.)
 380. COLAPTES RUFIPILEUS. (Guadalupe.)
 381. MOMOTUS CERULEICEPS. (E. Mexico.)
 393. CONURUS HOLOCHLORUS BREVIPES. (Socorro.)
 415. FALCO ALBIGULARIS. (Whole of tropical America.)
 424. POLYBORUS LUTOSUS. (Guadalupe.)
 653. SULA PISCATOR. (Socorro.)
 655. PHÆTHON ÆTHEREUS. (Newfoundland banks; Socorro?)
 460. ZENAIDURA GRAYSONI. (Socorro.)

Of the following species given in the catalogue no specimens are known to have been taken within the limits of the United States, with the exception of those described and figured in Giraud's "Sixteen Species of Texan Birds" (1841).*

59. CATHERPES MEXICANUS (= *Certhia albifrons*, Giraud).
 130. SETOPHAGA MINIATA (= *Muscicapa derhami*, Giraud).
 132. ERGATICUS RUBER (= *Parus leucotis*, Giraud).
 133. BASILEUTERUS CULICIVORUS (= *Muscicapa brasieri*, Giraud).
 134. BASILEUTERUS BELLI (= *Muscicapa bellii*, Giraud).
 160. EUPHONIA ELEGANTISSIMA (= *Pipra galericulata*, Giraud).
 182b. ASTRAGALINUS PSALTRIA MEXICANUS (= *Fringilla texensis*, Giraud).
 309. MYIOZETES TEXENSIS (= *Muscicapa texensis*, Giraud).
 314. MYIARCHUS LAWRENCEI (= *Tyrannula lawrencii*, Giraud).
 329. EMPIDONAX FULVIFRONS (= *Muscicapa fulvifrons*, Giraud).

e. Species (chiefly Palæarctic) which occur only as stragglers or visitants in Eastern North America, or which occur regularly only in Greenland and adjacent portions of the continent.†

- [6.] TURDUS ILIACUS. Accidental in Greenland.
 [69.] MOTACILLA ALBA. Accidental in Greenland.
 [178.] ÆGIOTHUS CANESCENS. Resident in Greenland.
 [279.] STURNUS VULGARIS. Accidental in Greenland.
 [412a.] HIEROFALCO GYRFALCO ISLANDUS. Resident in South Greenland.
 [416.] ÆSALON REGULUS. Accidental in Greenland.
 [422.] TINNUNCULUS ALAUDARIUS. Accidental in Greenland.
 [435.] BUTEO VULGARIS. Accidental in Michigan? [Cf. MAYNARD, Bull. Nutt. Orn. Club, i. 18.]
 452. HALLEETUS ALBICILLA. Resident in Greenland.
 [488.] ARDEA CINEREA. Accidental in Greenland.
 [506.] HEMATOPUS OSTRALEGUS. Accidental in Greenland.
 [514.] CHARADRIUS PLUVIALIS. Accidental in Greenland.
 518. ÆGIALITES HIATICULA. Breeding in Greenland and west of Cumberland Gulf.
 [524.] SCOLOPAX RUSTICULA. Accidental in Newfoundland and Eastern United States.
 [526.] GALLINAGO MEDIA. Casual in Greenland and Bermudas.

* These specimens are now in the collection of the United States National Museum.

† Strictly pelagic birds, which are more or less numerous off the coast, are excluded from this and the following lists.

Catalogue No.

- [539.] PELIDNA ALPINA. Breeds in Greenland and Hudson's Bay Territory.
 [540.] PELIDNA SUBARQUATA. Casual in Eastern North America (several records).
 [546.] LIMOSA ÆGOCEPHALA. Accidental in Greenland.
 [547.] TOTANUS GLOTTIS. Accidental in Florida.
 [551.] RHYNACOPHILUS OCHROPUS. Accidental in Nova Scotia.
 [554.] MACHETES PUGNAX. Casual in Eastern North America (several records).
 [561.] NUMENIUS PHEOPUS. Accidental in Greenland.
 [573.] PORZANA MARUETTA. Accidental in Greenland.
 [577.] CREX PRATENSIS. Casual in Eastern North America, including Greenland.
 [586.] OLOR CYGNUS. Accidental in Greenland.
 [587.] OLOR MINOR. Casual (?) in fur countries.
 [593.] ANSER ALBIFRONS. Breeds in South Greenland.
 [597.] BERNICLA LEUCOPSIS. Casual in Eastern North America.
 [611.] NETTION CRECCA. Casual in Eastern North America.
 627. SOMATERIA MOLLISSIMA. Resident in Greenland and west side of Cumberland Gulf.
 [631.] MELANETTA FUSCA. Accidental in Greenland.
 [665.] LARUS AFFINIS. Accidental in Greenland.
 [694.] HYDROCHELIDON LEUCOPTERA. Accidental in Wisconsin.
 [711.] PUFFINUS ANGLORUM. Casual (?) off Atlantic coast.
 [717.] ŒSTRELATA HESITATA. Accidental off Atlantic coast of U. S.
 [718.] ŒSTRELATA BULWERI. Accidental near Greenland.
 728. FREGETTA GRALLARIA. Accidental off coast of Florida.
 [733.] DYTES AURITUS. Breeds in South Greenland.
 743a. FRATERCULA ARCTICA GLACIALIS. Resident in Greenland.

f. Palearctic and oceanic species occurring only in Alaska and other parts of the Pacific coast.

- [20.] CYANECULA SUECICA. St. Michael's, Alaska, June 5, 1850. (See p. 215.)
 [34.] PHYLLOSCOPUS BOREALIS. Breeds in Alaska.
 [44.] PARUS CINCTUS. Abundant resident in Alaska.
 [70.] BUDYTES FLAVA. Breeds abundantly in Alaska.
 [167.] PYRRHULA CASSINI. Resident (?) in Alaska.
 [399a.] ULULA CINEREA LAPPONICA. Casual (?) in Alaska (St. Michael's).
 [407a.] SURNIA FUNEREA ULULA. Casual (?) in Alaska (St. Michael's).
 511. APHRIZA VIRGATA. Casual along entire Pacific coast of America.
 [515a.] CHARADRIUS DOMINICUS FULVUS. Regular autumnal visitant to Alaska.
 [519.] ÆGIALITES CURONICUS. Accidental in California (?).
 [533.] ACTODROMAS ACUMINATA. Accidental on coast of Alaska.
 544. LIMOSA LAPPONICA NOVÆ-ZEALANDIÆ. Abundant visitant to Alaska.
 553. HETEROSCELUS INCANUS. Whole Pacific coast. (Breeds.)
 [562.] NUMENIUS TAHITIENSIS. Accidental in Alaska (Kadiak).
 [702.] DIOMEDEA CULMINATA. Accidental off mouth of Columbia River (Audubon).
 [703.] PHŒBETRIA FULIGINOSA. Casual off Pacific coast.
 [704.] OSSIFRAGA GIGANTEA. Accidental off Pacific coast of U. S.
 706. PRIOCELLA TENUIROSTRIS. Casual (?) off Pacific coast.
 707. PRIOFINUS MELANURUS. Accidental off coast of California.
 710. PUFFINUS CREATOPUS. Accidental (?) off coast of California.
 713. PUFFINUS GAVIA. Casual (?) off coast of Lower California.
 715. PUFFINUS GRISEUS. Casual (?) off coast of Lower California.
 716. PUFFINUS TENUIROSTRIS. North Pacific (casual?).
 [719.] DAPTION CAPENSIS. Accidental off coast of California.

g. Palaearctic species occurring both in Greenland and Alaska, but not recorded from any intermediate point in North America.

Catalogue No.

- [21.] SAXICOLA OENANTHE. Breeds in Greenland and on west side of Cumberland Gulf.
 [72.] ANTHUS PRATENSIS. Accidental (?) in Greenland and Alaska.
 [512.] VANELLUS CRISTATUS. Accidental in Greenland (and Alaska?).
 [606.] MARECA PENELOPE. Occurs in various parts of North America, south to North Carolina, and San Francisco.

h. Tropical American species occurring only in southern portions of United States.

EASTERN PROVINCE, INCLUDING FLORIDA AND COAST OF TEXAS.*

137. VIREOSYLVA CALIDRIS BARBATULA. (South Florida.) *Hab.* Cuba.
 159. CETHIOLA BAHAMENSIS. (Indian Key.) *Hab.* Bahamas.
 184. CHRYSOMITRIS NOTATA. (Accidental in Kentucky, *vide* AUDUBON.) *Hab.* high-lands of Mexico and Guatemala.
 253. PHONIPARA ZENA. (Key West.) *Hab.* West Indies in general.
 265. ICTERUS VULGARIS. (South Carolina, etc.) *Hab.* Jamaica and northern South America.
 302. *Milvulus tyrannus*. (Accidental in Mississippi, New Jersey, etc.) *Hab.* whole of tropical South America east of the Andes, Atlantic coast region of Central America (and Mexico?).
 303. TYRANNUS DOMINICENSIS. (Florida.) *Hab.* whole of West Indies.
 357*b*. CHORDEILES POPETUE MINOR. (Florida.) *Hab.* Cuba and Jamaica.
 386. COCCYZUS SENICULUS. (Florida, Louisiana?) *Hab.* West Indies and parts of northern South America.
 389. CROTOPHAGA ANI. (Tortugas; near Philadelphia!) *Hab.* West Indies and parts of northern South America.
 420*a*. TINNUNCULUS SPARVERIUS ISABELLINUS.
 421. TINNUNCULUS SPARVERIOIDES. (Florida.) *Hab.* Cuba.
 429. ROSTRHAMUS SOCIABILIS PLUMBEUS. (Florida.) *Hab.* Tropical America in general.
 458. COLUMBA LEUCOCEPHALA. (Florida Keys.) *Hab.* West Indies; Honduras.
 462. ZENaida AMABILIS. (Florida Keys.) *Hab.* Greater Antilles.
 467. GEOTRYGON MARTINICA. (Florida Keys.) *Hab.* West Indies.
 468. STARNENAS CYANOCEPHALA. (Florida Keys.) *Hab.* Cuba.
 502. EUDOCIMUS RUBER. (Louisiana?) *Hab.* Northern South America; Jamaica.
 503. PLEGADIS FALCINELLUS. (Florida, straggling northward.) *Hab.* Eastern Hemisphere chiefly.
 578. IONORNIS MARTINICA. (Southern portions in general, straggling northward.) *Hab.* whole of tropical America.
 581. ARAMUS PICTUS. (Florida.) *Hab.* West Indies and Atlantic coast of Central America.
 585. PHENICOPTERUS RUBER. (Florida Keys.) *Hab.* West Indies and shores of Gulf of Mexico and Caribbean Sea; Galapagos.
 635. NOMONYX DOMINICUS. (Accidental on Lake Champlain and in Wisconsin.) *Hab.* whole of tropical America.
 692. STERNA ANÆSTHETA. (Florida.) *Hab.* tropics generally.
 734. TACHYBAPTES DOMINICUS. (Lower Rio Grande, in Texas.) *Hab.* Tropical America in general.

* Excluding species peculiar to Florida.

SOUTHWESTERN BORDER—TEXAS TO CALIFORNIA.

[The species of this list which are *peculiar* to the more elevated portions of Mexico and Guatemala (including the contiguous southern border of the United States) are distinguished by an asterisk (*) prefixed to the number. The avi-fauna of temperate Mexico is decidedly more nearly related to that of the Western Province of North America than to the tropical fauna of the Mexican *tierra caliente* or hot coast-region. The genera of Neotropical affinities are printed in italics.]

Catalogue No.

- * 13a. *HARPORHYNCHUS RUFUS LONGIROSTRIS*. (Lower Rio Grande.)
- * 15. *HARPORHYNCHUS CURVIROSTRIS*. (Lower Rio Grande.)
- * 26. *PHAINOPEPLA NITENS*. (Texas to California.)
- * 37. *LOPHOPHANES ATROCRISTATUS*. (Lower Rio Grande.)
- * 39. *LOPHOPHANES WOLLWEBERI*. (New Mexico; Arizona.)
- * 49. *PSALTRIPARUS MELANOTIS*. (Nevada?)
- * 50. *AURIPARUS FLAVICEPS*. (Texas to Arizona.)
- * 56. *Campylorhynchus brunneicapillus*. (Texas to California.)
- * 59. *CATHERPES MEXICANUS*. (Lower Rio Grande?)
- * 60a. *THRYOTHORUS LUDOVICIANUS BERLANDIERI*. (Lower Rio Grande.)
- * 61b. *THRYOMANES BEWICKI LEUCOGASTER*. (Lower Rio Grande to Arizona.)
- * 83. *HELMINTHOPIHAGA LUCIÆ*. (Arizona.)
- * 89a. *PARULA INSULARIS NIGRILORA*. (Lower Rio Grande.)
- * 92. *PEUCEDRAMUS OLIVACEUS*. (Lower Rio Grande & Arizona.)
- * 104. *DENDRÆCA GRACIÆ*. (Arizona.)
- * 106. *DENDRÆCA CHRYSOPARIA*. (Texas.)
- * 129. *SETOPHAGA PICTA*. (Lower Rio Grande? Arizona.)
- * 130. *SETOPHAGA MINIATA*. (Lower Rio Grande?)
- * 131. *CARDELLINA RUBRIFRONS*. (Lower Rio Grande? Arizona.)
- * 132. *ERGATICUS RUBER*. (Lower Rio Grande?)
- 133. *Basileuterus culicivorus*. (Lower Rio Grande?)
- * 134. *Basileuterus belli*. (Lower Rio Grande?)
- * 136. *VIREOSYLVA AGILIS FLAVO-VIRIDIS*. (Lower Rio Grande?)
- * 142. *VIREO ATRICAPILLUS*. (Texas.)
- * 147. *VIREO VICINIOR*. (Arizona; Southern California.)
- 160. *Euphonia elegantissima*. (Lower Rio Grande?)
- * 163. *PYRANGA HEPATICA*. (New Mexico; Arizona.)
- * 164a. *PYRANGA ÆSIVA COOPERI*. (New Mexico; Arizona.)
- * 182a. *ASTRAGALINUS PSALTRIA ARIZONÆ*. (Upper Rio Grande to Arizona.)
- 182b. *ASTRAGALINUS PSALTRIA MEXICANUS*. (Lower Rio Grande?)
- * 215. *SPIZELLA ATRIGULARIS*. (Lower Rio Grande to Lower California.)
- * 222. *JUNCO CINEREUS*. (Arizona.)
- * 227. *PEUCEÆA ARIZONÆ*. (Lower Rio Grande to Arizona.)
- * 230a. *PEUCEÆA RUFICEPS BOUCARDI*. (Arizona.)
- * 236. *Embernagra rufivirgata*. (Lower Rio Grande.)
- * 241. *PIPILO ABERTI*. (Arizona.)
- * 242a. *CARDINALIS VIRGINIANUS IGNEUS*. (Arizona; Lower California.)
- * 243. *PYRRHOCLOXIA SINUATA*. (Lower Rio Grande to Lower California.)
- * 250. *PASSERINA VERSICOLOR*. (Lower Rio Grande.)*
- 252. *Spermophila moreletii*. (Lower Rio Grande.)
- * 258a. *MOLOTHRUS ATER OBSCURUS*. (Texas to Lower California.)
- 259. *MOLOTHRUS ÆNEUS*. (Lower Rio Grande.)
- 263a. *STURNELLA MAGNA MEXICANA*. (Lower Rio Grande.)

Catalogue No.

- *266. *ICTERUS AUDUBONI*. (Lower Rio Grande.)
 *268. *ICTERUS PARISORUM*. (Texas to Lower California.)
 *269. *ICTERUS CUCULLATUS*. (Texas to Lower California.)
 *275. *QUISCALUS MACRURUS*. (Lower Rio Grande.)
 *276. *QUISCALUS PALUSTRIS*. (Head of Gulf of California? coast of Louisiana.)
 *295. *APHELOCOMA SORDIDA ARIZONÆ*. (Arizona.)
 *296. *Xanthura luxuosa*. (Lower Rio Grande.)
 *334. *EUGENES FULGENS*. (Arizona.)
 *342. *ATTHIS HELOISÆ*. (Texas.)
 *344. *CALOTHORAX LUCIFER*. (Arizona.)
 345. *Amazilia fuscicaudata*. (Lower Rio Grande.)
 *346. *Amazilia yucatanensis*. (Lower Rio Grande.)
 *348. *IACHE LATIROSTRIS*. (Arizona.)
 356. *NYCTIDROMUS ALBICOLLIS*. (Lower Rio Grande.)
 *358. *CHORDEILES ACUTIPENNIS TEXENSIS*. (Texas to Lower California.)
 *363. *PICUS SCALARIS*. (Texas to Arizona.)
 *365. *PICUS STRICKLANDI*. (Arizona.)
 *373. *CENTURUS AURIFRONS*. (Lower Rio Grande.)
 *374. *CENTURUS UROPYGIALIS*. (Arizona.)
 383. *CERYLE AMERICANA CABANISI*. (Texas to Arizona.)
 384. *TROGON AMBIGUUS* Gould. (Lower Rio Grande.)
 390. *CROTAPHAGA SULCIROSTRIS*. (Lower Rio Grande.)
 *391. *RHYNCHOPSITTA PACHYRHYNCHA*. (Rio Grande Valley?)
 *402b. *SCOPS ASIO MACCALLI*. (Texas.)
 *403. *SCOPS TRICHOPSIS*. (New Mexico; Stockton, Cal.?)
 *404. *SCOPS FLAMMEOLUS*. (North to about 40° in higher western mountains.)
 410. *GLAUCIDIUM PHALENOIDES*. (Texas and Arizona.)
 *411. *MICRATHENE WHITNEYI*. (Arizona; S. E. California.)
 419. *RHYNCHOPHALCO FUSCO-CÆRULESCENS*. (Texas; New Mexico.)
 434. *ANTENOR UNICINCTUS HARRISI*. (Louisiana to Lower California.)
 440. *BUTEO ABBREVIATUS*. (Arizona; Southern California.)
 441. *BUTEO ALBICAUDATUS*. (S. Texas.)
 444. *Urbitinga anthracina*. (Arizona.)
 445. *ASTURINA NITIDA PLAGIATA*. (Arizona.)*
 450. *THRASAETUS HARPYIA*. (Lower Rio Grande; Louisiana?)
 457. *COLUMBA ERYTHRINA*. (S. Texas.)
 *463. *Egyptia albifrons*. (S. Texas.)
 464. *MELOPELIA LEUCOPTERA*. (Texas to Lower California.)
 *466. *SCARDAFELLA INCA*. (Southern Texas.)
 *469. *Ortalis vetula maccalli*. (S. Texas.)
 *470. *MELEAGRIS GALLOPAVO*. (New Mexico; Upper Rio Grande in Texas.)
 483. *LOPHORTYX GAMBELL*. (W. Texas to Arizona.)
 484. *CALLIPEPLA SQUAMATA*. (W. Texas to Arizona.)
 485. *CYRTONYX MASSENA*. (W. Texas to Arizona.)
 499. *Mycteria americana*. (Southern Texas.)

ENTIRE SOUTHERN BORDER.

423. *POLYBORUS CHERIWAY*.
 427. *ELANUS GLAUCUS*.
 455. *CATHARISTA ATRATA*.
 465. *CHAMÆPELIA PASSERINA*.

* Accidental in Southern Illinois (only once observed).

i. *Supposed valid species described by Audubon and Wilson, which have not since been met with, and of which no specimens are known to exist in collections.*

Catalogue No.

32. *REGULUS CUVIERI*, AUD. Orn. Biog. i. 1832, 288, pl. 55 ("Banks of Schuylkill River, Pa., June, 1812").—BAIRD, B. N. Am. 1858, 228; Review, i. 1864, 66.—B. B. & R. Hist. N. Am. B. i. 1874, 75, pl. 5, fig. 7.
91. *PERISSOGLOSSA CARBONATA* (Aud.) Ridgw.—*Sylvia carbonata*, AUD. Orn. Biog. i. 1831, 308, pl. 60 (Kentucky).—*Dendroica carbonata*, BAIRD, B. N. Am. 1858, 287; Review, i. 1865, 207.—*Perissoglossa carbonata*, B. B. & R. Hist. N. Am. B. i. 1874, 214, pl. 12, fig. 3.
112. *DENDRECA MONTANA* (Wils.) Baird.—*Sylvia montana*, WILS. Am. Orn. v. 1812, 113, pl. xlv. fig. 2 ("Blue Mts. of Pennsylvania").—AUD. Orn. Biog. v. 294 ("California").—*Dendroica montana*, Baird, B. N. Am. 1858, 279; Review, i. 1865, 190.—*Dendroica montana*, B. B. & R. Hist. N. Am. B. i. 1874, 271.
126. *MYIODIOCTES MINUTUS* (Wils.) Bp.—*Muscicapa minuta*, WILS. Am. Orn. vi. 1812, 62, pl. 1. fig. 5.—AUD. Orn. Biog. v. pl. 434, fig. 3; B. Am. i. pl. 67.—*Myiodioctes minutus*, Baird, B. N. Am. 1858, 293; Review, 1865, 241.—B. B. & R. Hist. N. Am. B. i. 1874, 316, pl. 16, fig. 2.

j. *List of untenable species and races of North American birds described since 1858.*

1. *Helminthophaga ruficapilla* var. *ocularis*, B. B. & R. Hist. N. Am. B. i. 1874, 191. (Chicago, Ill.) = No. 85.
- (?) 2. *Helminthophaga ruficapilla* var. *gutturialis*, B. B. & R. Hist. N. Am. B. i. 1874, 191. (East Humboldt Mts., Nevada; Ft. Tejon, Cal.) = No. 85?
3. *Helminthophaga celata* var. *obscura*, B. B. & R. Hist. N. Am. B. i. 1874, 192. (Georgia and Florida.) = No. 86.
4. *Hirundo bicolor* var. *respertina*, COOPER, Am. Nat. x. Feb. 1876, 91. (California.) = No. 155.
5. *Collyrio chemungensis*, GREGG, Proc. Elmira Acad. i. 1870, 9. (New York.) = No. 148, juv.
6. *Hesperiphona respertina* var. *montana*, RIDGW. in B. B. & R. Hist. N. Am. B. i. 1874, 449, pl. 22, fig. 4. (Southern Rocky Mts. and mountain regions of Mexico.) = No. 165.
- (?) 7. *Loxia atrata*, von HOMEYER, Jour. für Orn. 1879, 179. (North America.) = No. 173??*
8. *Leucosticte campestris*, BAIRD, Orn. Cal. i. 1870, 163. (Colorado.) = No. 175a (individual variation).
- (?) 9. *Linaria brunneus*, von HOMEYER, Jour. für Orn. 1879, 184. ("Lapland, Grönland, Schweden.")† = No. 179a?

* "Somewhat smaller than *L. leucoptera*, but with about the same length of wing, the tail at least 10^{mm} shorter. Distinguished by its coloration. The red in ground tone is nearest that of the "Flackengimpel" [*Pinicola enucleator*] but everywhere darker, and saturated, as it were, with black, this color extending indefinitely both on the back as well as on the middle of the belly to the breast, as also on the lower tail-coverts. The feet are even darker colored than in *leucoptera*. The wing-bands are unaffected for the most part, although not quite so broad. This is especially seen in the first or terminal band, which begins, scarcely visible, at the edge of the wing, and remains very inconsiderable to the middle, then quickly expands to a great rounded spot. The extent of the second band is everywhere much more limited than in *leucoptera*."

"This is decidedly not a melanism, as is shown, not alone by the character of the coloration, but by the occurrence of two old males exactly alike."

"My two birds came from North America."—[Translation.]

† "The dark Linnet is nearest to this species in size, but it is easily distinguished by many features. The whole upper parts are blackish brown, with very narrow margins to the feathers of whitish and rusty yellow, which, on the rump, return to the ground color; on the sides of the head the feathers also have very fine, rusty white margins: the throat-spot is very large; the entire under parts to the middle of the belly are densely covered with many large, dark brown longitudinal streaks. Two birds killed in Lapland, June–July (sexes not determined), show a tender red on the side of the head. The

10. *Ægiothus fuscescens*, COUES, Proc. Philad. Acad. 1861, 222. (Labrador.) = No. 179 (midsummer plumage).
11. *Ægiothus rostratus*, COUES, l. c. (Greenland.) = No. 179a (midsummer plumage).
12. *Centronyx ochrocephalus*, AIKEN, Am. Nat. vii. 1873, 237. (El Paso Co., Colorado.) = No. 191 (autumnal plumage).
13. *Passerculus caboti*, B. B. & R. Hist. N. Am. B. iii. 1874, pl. xlvi. fig. 9. (Nahant, Massachusetts.) = No. 233. [Not described!]
14. *Spizella evura*, COUES, The Ibis, 1865, 118, 164. (Ft. Whipple, Ariz.) = No. 215, young.
15. *Passerella obscura*, VERRILL, Proc. Boston Soc. ix. 1862, 153. (Anticosti I.) = No. 235, young.
16. *Hedymeles melanocephalus* var. *capitalis*, B. B. & R. Hist. N. Am. B. ii. 1874, 74. (Pacific coast of Mexico and United States.) = No. 245.
17. *Goniaphea carulea* var. *curhyncha*, COUES, Am. Nat. viii. 1874, 563. (Mexico.) = No. 246.
18. *Dolichonyx oryzivorus* var. *albinucha*, RIDGW. Bull. Essex Inst. v. Nov. 1873, 192. (Missouri plains to Salt Lake Valley.) = No. 257.
19. *Empidonax pygmaeus*, MINOT, Land and Game Birds New England, 1877, —. (Near Boston, Mass.) [*Avis fictita!*]
20. *Dryobates hyloscopus*, CAB. & HEINE, Mus. Hein. iv. June 25, 1863, 69. (San José, Cal.) = No. 360b.
21. *Dryobates homorus*, CAB. & HEIN. Mus. Hein. iv. June 25, 1863, 65. (California.) = No. 361a.
22. *Picus cucicri*, MALH. Mon. Pic. i. 1861, 85, pl. 22, fig. 3. (North America.) = No. 360, ♀ ad.
23. *Picus turati*, MALH. Mon. Pic. i. 1861, 125, pl. 29, figs. 5, 6, 7. (California and Rocky Mountains.) = No. 361, ♀ ad.
24. *Chamaepelia passerina* var. *palescens*, BAIRD, Proc. Philad. Acad. 1859, 305. (Cape St. Lucas.) = No. 465.
25. *Pediocates kemnicotti*, SUCKL. Proc. Philad. Acad. 1861, 361. = No. 478.
26. *Bonasa jobsii*, JAYCOX, Am. Nat.
27. *Ibis thalassinus*, RIDGW. Am. Nat. viii. Feb. 1874, 110. (Pacific coast of America, from California to Chili.) = No. 504, juv.
28. *Ardea cyanirostris*, CORY, Birds of the Bahama Islands, 1880, —. (Bahamas.) = No. 492, breeding plumage.
29. *Cygnus passmorei*, HINCKS, Pr. Linn. viii. 1864, 1. (Toronto, Canada.) = No. 589, juv.
30. *Bernicla barnstoni*, ROSS, Canad. Nat. vii. April, 1862, —. = 594, var. ?
31. *Bernicla leucolama*, MURRY, Edinb. Phil. Jour. April, 1859, 226, pl. 4, fig. 1. = 594, var.
32. *Pelecanus occipitalis*, RIDGW. Am. Sportsman, iv. 1874, 297. (Nevada.) = No. 640, adult, breeding plumage, after loss of occipital crest, the latter replaced by dusky-grayish patch.
33. *Thalassus caspius* var. *imperator*, COUES, Proc. Philad. Acad. 1862, 538, in text. (North America.) = No. 680.
34. *Sterna portlandica*, RIDGW. Am. Nat. viii. 1874, 433. (Portland, Maine.) = No. 687, juv., second year
35. *Sterna fuliginosa* var. *crissalis*, BAIRD, Pr. Boston Soc. xiv. 1872, 285. (Socorro I., N. W. Mexico.) = No. 681.

wing-bands are merely indicated. The bill is very characteristic. It is somewhat weaker at the base than in *L. hornemanni*, but longer and remarkably darker in all seven specimens.

"The bird figured by Dresser on the second plate (lower figure) belongs here, and is by no means the young of *L. hornemanni*, as supposed by Dresser."

[This description accords well in every particular with the dark summer stage of *Ægiothus linaria holbölli*, described in 1861 by Dr. Coues as *Æ. rostratus*, the type of which came from Greenland.—R. R.]

k. List of exotic species which have been attributed to North America by various authors, but apparently without sufficient evidence of their occurrence.*

1. ANTHUS CERVINUS, Pall.—ZANDER, Jour. für Orn. Extraheft i. 1853, 64. (Aleutian Islands.)
2. *Gothlypis aquinoctialis* (Gmel.) Caban.—*Sylvia delafieldii*, AUD. Orn. Biog. v. 1839, 307 ("Oregon").—*Trichas delafieldii*, AUD. B. A. Am. ii. 1841, 81, pl. 103.—*Gothlypis velatus*, BAIRD, B. N. Am. 1859, 243; Cat. 1859, No. 171.
3. LANIUS LAHTORA, Sykes.—*Lanius elegans*, SWAINS. Faun. Bor. Am. ii. 1831, 122 (fur countries).—NUTT. Man. ii. 1832, 566. [Not *Collurio elegans*, Baird.]
4. *Progne leucogastra*, Baird.—*P. chalybea*, CASS. Illustr. 1856, 246 (California, *vide* J. G. Bell).
5. *Astragalinus yarrelli* (And.) Caban.—*Carduelis yarrelli*, AUD. Synop. 1839, 117 ("California"); B. Am. iii. 1841, 136, pl. 184.—*Chrysonitris yarrelli*, BAIRD, B. Am. 1858, 421; Cat. 1859, No. 312.
6. *Astragalinus barbatus* (Mol.) —.—*Carduelis stanleyi*, AUD. Synop. 1839, 118 ("California"); B. Am. iii. 1841, 137, pl. 185.—*Chrysonitris stanleyi*, BAIRD, B. N. Am. 1858, 420; Cat. 1859, No. 311.
7. HYPOLIA ARCTOA (Pall.) Ridgw.—*Leucosticte arctoa*, CABAN. Mus. Hein. i. 1851, 154 ("Russisch-America").—*Leucosticte arctous*, BAIRD, B. N. Am. 1858, 430; Cat. 1859, No. 324.
8. CARPODACUS ILEMORRHOUS (Licht.) Sel.—BAIRD, B. N. Am. 1858, 417, foot-note (North America?); Cat. 1859, No. 309.
9. LOXIA PITYOPSITTACUS, Bechst.—Cf. NUTTALL, Man. Orn. Land Birds, ed. 1832, 537 ("high northern regions of America", *vide* TEMMINCK).
10. "*Zonotrichia*" *pileata* (Bodd.) —.—*Fringilla mertonii*, AUD. Orn. Biog. v. 312; B. Am. iii. 1841, 152, pl. 190 ("North California").
11. *Cynchramus schæniclus* (Linn.) Boie.—*Emberiza schæniclus*, NUTT. Man. Orn. Land Birds, ed. 1832, ii. 586 ("vicinity of Harrisburg in Pennsylvania", *vide* Audubon).
12. *Melanocorypha calandra* (Linn.) Boie.—*Alda calandra*, LINN., SW. & RICHT. F. B. A. ii. 1831, 244 ("fur countries"; spec. presented by the Hudson's Bay Co. said to be in the British Museum).—NUTT. Man. ii. 1832, 580.
13. *Trupialis militaris* (Linn.) Bp.—BAIRD, B. N. Am. 1858, 533 ("California"); Cat. 1859, No. 405.
14. ICTERUS MELANOCEPHALUS (Wagl.) Gray.—CASS. Illustr. 1856, 137, pl. 21 (Texas and New Mexico).—BAIRD, B. N. Am. 1858, 543 (not given as North American!); Cat. 1859, No. 410.
15. CALOCITTA COLLIEI (Vig.) Finsch.—"*Pica bullockii*, Wagl.", AUD. B. Am. iv. 1842, 105, pl. 229 ("woody portions of North California").—*Garrulus bullockii*, NUTT. Man. i. 1832, 230 ("Columbia R.").
16. *Tyrannus melancholicus*, Vieill.—BAIRD, B. N. Am. 1858, 176 (not given as North American); Cat. 1859, No. 129.
17. *Lampornis violicauda* (Bodd.) Elliot.—"*Trochilus mango*, Linn.", AUD. Orn. Biog. ii. 480; B. Am. iv. 1842, 186, pl. 251 ("Florida Keys").—*Lampornis mango*, BAIRD, B. N. Am. 1858, 130; Cat. 1859, No. 100.
18. CAMPEPHILUS IMPERIALIS (Gould) Gray.—*Picus imperialis*, AUD. Orn. Biog. v. 313; B. Am. iv. 1842, 212 ("Rocky Mountains and North California").—CASS. Illustr. 1856, 285, pl. 49.—BAIRD, B. N. Am. 1858, 82; Cat. 1859, No. 73.

* This list does not include American species wrongly supposed by authors to be the same as European species, and so named, e. g. *Circus* "*eyaneus*" for *C. hudsonius*, *Regulus* "*eristatus*" for *R. satrapa*, *Troglodytes* "*parvulus*" or *T.* "*europæus*" for *T. hyemalis*, etc., etc., but only those which were through actual error (as it appears) wrongly attributed to North America. Species which are most likely to have occurred in North America are printed in small capitals; those whose occurrence would in any case be purely accidental are printed in italics.

19. *HYLOTOMUS SCAPULARIS* (Vig.) Ridgw.—“*Picus lineatus*, LINN.”, AUD. Orn. Biog. v. 315; B. Am. iv. 1842, 233 (“Columbia River”).
20. *STRIX STRIDULA*, Linn.—*S. aluco*, NUTT. Man. i. 1832, 135 (Newfoundland and Hudson’s Bay).
21. *CARINE NOCTUA* (Scop.) Kaup.—“*Strix passerina*, LINN.”, AUD. Orn. Biog. v. 269.—“*Surnia passerina*, Linn.”, AUD. B. Am. i. 1840, 116 (“Picton, Nova Scotia”).
22. *Speotyto cunicularia* (Mol.) —.—*Athene cunicularia*, CASS. in Baird’s B. N. Am. 1858, 60 (“North America, west of Rocky Mountains”).
23. *THALASSOÆTUS PELAGICUS* (Pall.) Kaup.—*Aquila pelagica*, PALL. Zoögr Rosso-As. i. 1811, 343 (Russian America, *vide* Steller).—*Haliaëtus pelagicus*, CASS. Illustr. 1856, 31, pl. 6; in Baird’s B. N. Am. 1858; BAIRD, Cat. 1859, No. 40.
24. *Sarcorhamphus gryphus* (Linn.) Dum.—*Cathartes gryphus*, BONAP. Am. Orn. iv. 1833, 318, pl. 22.—NUTT. Man. i. 1832, 35.
25. *GYPARCHUS PAPA* (Linn.) Glog.—*Cathartes papa*, NUTT. Man. i. 1832, 40 (“from the 30th degree of north latitude to the 32d in the southern hemisphere”).
26. *CATHARTES BURROVIANUS*, CASS. in Baird’s B. N. Am. 1858, 6 (“Lower California”); BAIRD, Cat. 1859, No. 4. [*Cf.* RIDGWAY, Bull. Nutt. Orn. Club, v. April, 1880, 83.]
27. *LOPHORTYX ELEGANS* (Less.) Nutt.—*Ortyx elegans*, NUTT. Man. ed. 1840, i. 792 (“Upper California”, *vide* Lesson).
28. *BUTORIDES BRUNNESCENS* (Gundl.) Baird.—BAIRD, B. N. Am. 1858, 677 (in text); Cat. N. Am. B. 1859, No. 494.
29. *Hamatopus ater*, Vieill.—*Hamatopus townsendii*, AUD. Orn. Biog. v. 1839, 247, pl. 427; B. Am. v. 1842, 245, pl. 326.—*Hamatopus ater*, BAIRD, B. N. Am. 1858, 700; Cat. 1859, No. 514.
30. “TRINGA” *PLATYRIYNCHIA*, Temm.—NUTT. Man. ii. 1832, 114 (Arctic America, *vide* Temminck and Bonaparte).
31. *ACTODROMAS MINUTA* (Linn.) Kaup.—*Tringa minuta*, SW. & RICH. F. B. A. ii. 1831, 385 (Nelson and Hayes Rivers; “seen abundantly in the autumn”).—NUTT. Man. ii. 1834, 119.
32. *ACTODROMAS TEMMINCKI* (Leisl.) Ridgw.—*Tringa temmincki*, NUTT. Man. ii. 1832, 119 (Arctic America).
33. *TOTANUS CALIDRIS* (Linn.) Bechst.—SW. & RICH. F. B. A. ii. 1831, 391 (“Hudson’s Bay”; spec. in British Museum).—NUTT. Man. ii. 1834, 155.
34. *Heliornis fulica* (Bodd.) —.—*H. surinamensis*, NUTT. Man. ii. 1832, 510 (“accidental visitor in the Middle States of the Union”).
35. *ANSER SEGETUM* (Gmel.) Bonap.—NUTT. Man. ii. 1832, 348 (Canada and Hudson’s Bay).
36. *CAIRINA MOSCHATA* (Linn.) Caban.—*Anas moschata*, NUTT. Man. ii. 1832, 403 (Lower Mississippi and Gulf coast of U. S.).
37. *CEDEMIA NIGRA* (Linn.) Hen.—*Fuligula nigra*, NUTT. Man. ii. 1832, 423 (“coast of the United States”).
38. *MERGELLUS ALBELLUS* (Linn.) Selby.—*Mergus albellus*, WILS. Am. Orn. iii. pl. lxxi. fig. 4 (New England and New York; numerous).—NUTT. Man. ii. 1832, 467.—AUD. Orn. Biog. iv. 350; B. Am. vi. 1843, 408, pl. 414 (“Lake Barataria, not far from New Orleans”).
39. *PHALACROCORAX GRACULUS* (Linn.) Leach.—NUTT. Man. ii. 1832, 484 (“South of Greenland”; United States in winter).
40. *Phalacrocorax pygmaeus*, Pall.—NUTT. Man. ii. 1832, 487 (Northern North America, *vide* Bonaparte).
41. *Phalacrocorax africanus* (Gmel.) Dumont.—NUTT. Man. ii. 1832, 488 (“United States”, *vide* Audubon).
42. *LARUS FUSCUS*, Linn.—NUTT. Man. ii. 1832, 302 (Greenland, Newfoundland, and Hudson’s Bay).—SAUNDERS, P. Z. S. 1875, 158 (Lower California; error? probably *L. occidentalis*).

43. *LARUS CAPISTRATUS*, Temm.—NUTT. Man. ii. 1832, 290 (Delaware R. and Chesapeake Bay).
44. *LARUS MINUTUS*, Pall.—SW. & RICH. F. B. A. ii. 1831, 426 (given on Sabine's authority).—NUTT. Man. ii. 1832, 289.—*Chroicocephalus minutus*, LAW. in Baird's B. N. Am. 1858, 853.—BAIRD, Cat. 1859, No. 671.
45. *DIOMEDEA EXULANS*, Linn.—NUTT. Man. ii. 1832, 340 ("accidentally to the coasts of the central part of the Union").—LAW. in Baird's B. N. Am. 1858, 821.—BAIRD, Cat. 1859, No. 630.
46. *PODICEPS CRISTATUS* (Linn.) Lath.—SW. & RICH. F. B. A. ii. 1831, 410 (throughout fur countries).—NUTT. Man. ii. 1832, 250.—LAW. in Baird's B. N. Am. 1858, 893.—BAIRD, Cat. 1859, No. 703.
47. *TACHYBAPTES MINOR* (Linn.) Coues.—*Podiceps minor*, NUTT. Man. ii. 1832, 257 (Hudson's Bay).

1. *Partial list of foreign birds which have been introduced to the United States, and those which have been captured after escape from confinement.*

SPECIES INTRODUCED WITH A VIEW TO THEIR NATURALIZATION.*

1. *PASSER DOMESTICUS* (Linn.) Leach. European House Sparrow. The attempted naturalization of this bird has proved decidedly successful. The case is so notorious that further comment is unnecessary.
2. *PASSER MONTANUS* (Linn.) Stephens. European Tree Sparrow. Has become naturalized in the vicinity of Saint Louis, Mo., but the history of its introduction is unknown.
3. *ALAUDA ARVENSIS*, Linn. Skylark. Partially naturalized in the vicinity of Cincinnati, on Long Island, and perhaps other localities.
4. *COTURNIX COMMUNIS* (Linn.) Bonn. European Quail. Introduced to various localities in the Eastern United States, and partially naturalized.

SPECIES WHICH HAVE BEEN CAPTURED AFTER ESCAPE FROM CONFINEMENT.†

1. *AMADINA RUBRO-NIGRA*, Hodgs. Brunswick, Me., March, 1879; Leslie A. Lee. (ALLEN, Bull. Nutt. Orn. Club, April, 1880, 119.) *Hab.* India.
2. *CRITHAGRA BUTYRACEA* (Linn.) Gray. South Scituate, Mass., in midwinter. (BREWER, Proc. Bost. Soc. xx. 271.) *Hab.* South Africa.
3. *LIGURINUS CHLORIS* (Linn.) Koch. Lowville, Lewis Co., N. Y., March 19, 1878; R. B. Hough. (Cf. Bull. Nutt. Orn. Club, Apr. 1880, 119.) *Hab.* Europe.
4. *CARDUELIS ELEGANS*, Steph. Eastern Massachusetts, many captures. (ALLEN, Bull. Nutt. Orn. Club, Apr. 1880, 120.) *Hab.* Europe.
5. *SERINUS MERIDIONALIS*, Brehm. Western Massachusetts, in winter. (ALLEN, l. c.) *Hab.* Europe.
6. *GUBERNATRIX CRISTATELLA*, Vieill. Near Providence, R. I., July 7, 1880. (ALLEN, Bull. Nutt. Orn. Club, Oct. 1880, 240.) *Hab.* Paraguay and Argentine Republic.
7. *CORVUS FRUGILEGUS*, Linn. Washington, D. C., August, 1879.
An example of this species was seen by me in August, 1879, in the grounds of the Agricultural Department in Washington. It was perched in a maple tree near one of the outbuildings, was very tame, and flew laboriously, as if very recently escaped from confinement. I am, as yet, ignorant of the history of this specimen, nor have I since seen it.
8. *CONURUS XANTHOGENIUS*, Bp. *Hab.* St. Thomas, West Indies.
An example of this species, shot in a grove near Washington, by Dr. D. W. Prentiss, is in the National Museum collection. Of course it was an escaped cage-bird.
9. *CALLIPSITTACUS NOVE-HOLLANDIÆ* (Gm.) Finsch. Sing Sing, N. Y.‡ *Hab.* Australia!
10. *CHENALOPEX ÆGYPTIACA* (Linn.) Steph. Carnarsie, Long Island, Jan. 3, 1877. (AKHURST, Bull. Nutt. Orn. Club, ii. Apr. 1877, 52.) *Hab.* Southern Europe and Africa.

*This list does not include domesticated birds.

†This list is, of course, very incomplete; it includes merely a few species, the records of whose capture I happen to have at hand. A more complete list would be desirable, but want of time forbids its compilation in the present connection.

‡Dr. A. K. Fisher, *in epist.*

ADDENDA.

The following additional species have been described as new to science or to the North American fauna since the preceding pages were printed, and include all the accessions up to January 1, 1881:

29. *POLIOPTILA CALIFORNICA* Brewster. Black-tailed Gnatcatcher. In the first edition of this catalogue this species was given as *P. melauura* Lawr. (Black-capped Gnatcatcher). Mr. W. Brewster, however, has recently determined that *P. melauura* Lawr. was based upon the fully adult male of *P. plumbea*, and is therefore a synonym of that species. The Californian bird being unnamed, Mr. Brewster proposes for it the name *californica*, as above. (See Bull. Nutt. Orn. Club. Apr. 1881.)
- 78*. *HELMINTHOPHAGA CINCINNATIENSIS* Langdon. Cincinnati Warbler.—*Cf.* Jour. Cine. Soc. N. H. July, 1880, 119, 120, pl. iv; Bull. Nutt. Orn. Club, v. Oct. 1880, 208, pl. viii. This bird is intermediate in coloration and proportions between *Helminthophaga pinus* and *Oporornis formosa*, and may be a hybrid of the two, as suggested by the writer in Bull. Nutt. Orn. Club, v. Oct. 1880, 237.
377. *MELANERPES FORMICIVORUS BAIRDI*. Californian Woodpecker.—In *Hist. N. Am. Birds* (vol. ii. p. 561), the Californian and Mexican specimens of this species were separated as geographical races on account of certain well-marked differences, and the name *striatipectus* proposed for the latter. Since it appears, however, that Swainson's name *formicivorus* was based upon specimens from southern Mexico, *striatipectus* becomes a synonym. The Californian form being without a distinctive name (*melanopogon* Temm. equalling *formicivorus* Swans.), I take great pleasure in dedicating it to Professor Baird. *M. formicivorus bairdi* replaces the true *M. formicivorus* throughout western Mexico, down to Colima at least, the other race, *angustifrons* Baird, being peculiar to Lower California.
- 542*. *EURINORHYNCHUS PYGMEUS* (Linn.) Pearson. Spoon-billed Sandpiper.—Point Barrow, Arctic coast of Alaska, *vide* Dr. T. H. Bean.
- 580*. *FULICA ATRA* Linn. European Coot.—A specimen in the Copenhagen Museum obtained in Greenland in 1876. (Dr. J. Reinhardt, *in epist. fide* P. E. Freke.)
- 616*. *FULIGULA RUFINA* (Pall.) Steph. Rufous-crested Duck.—Fulton Market, New York, Feb. 1872; G. A. Boardman. Specimen in U. S. National Museum.

Table of families of North American birds, showing number of genera and species of each according to the foregoing catalogue.*

	Numbers of the catalogue.	Number of genera.	Number of species.†
1. Turdidae	1-18	8	18 + 8 = 26
2. Cincelidae	19	1	1
3. [Luscinidae].....	20	1	1
4. Saxicolidae	21-24	2	4
5. PTILOGONATIDÆ	25-26	2	2
6. Sylviidae	27-34	3	8 + 1 = 9
7. <i>Chamaidae</i>	35	1	1
8. Paridae	36-50	4	15 + 3 = 18
9. Sittidae	51-54	1	4 + 1 = 5
10. Certhiidae	55	1	1 + 1 = 2
11. Troglodytidae	56-68	9	13 + 9 = 21
12. Motacillidae	69-73	4	5
13. MNIOTILIDÆ	74-134	18	61 + 8 = 69
14. VIREONIDÆ	135-147	3	13 + 3 = 16
15. Laniidae	148-149	1	2 + 2 = 4
16. Ampelidae	150-151	1	2
17. Hirundinidae	152-158	6	7 + 1 = 8
18. CÆREBIDÆ	159	1	1
19. TANAGRIDÆ	160-164	2	5 + 1 = 6
20. Fringillidae	165-256	36	91 + 35 = 126
21. ICTERIDÆ	257-278	8	22 + 5 = 27
22. [Sturnidae].....	279	1	1
23. Corvidæ	280-298	9	19 + 7 = 26
24. [Alaudidae]	299-300	2	2 + 2 = 4
25. TYRANNIDÆ	301-331	11	31 + 2 = 33
26. COTINGIDÆ	332-333	2	2
27. TROCHILIDÆ	334-348	10	15
28. Cypselidae	349-352	3	4
29. Caprimulgidae	353-358	5	6 + 2 = 8
30. Picidae	359-380	10	22 + 10 = 32
31. MOMOTIDÆ	381	1	1
32. Alcedinidae	382-383	1	2
33. Trogonidae	384	1	1
34. Cuculidae	385-390	3	6
35. Psittacidae	391-393	2	3
36. Strigidae	394-411	12	18 + 11 = 29
37. Falconidae	412-452	23	41 + 12 = 53
38. CATHARTIDÆ	453-455	3	3
39. Columbidae	456-468	10	13
40. CRACIDÆ	469	1	1
41. MELEAGRIDÆ	470	1	1 + 1 = 2
42. Tetraonidae	471-479	6	9 + 7 = 16
43. Perdidae	480-485	5	6 + 3 = 9
44. Ardeidae	486-498	11	13
45. Ciconiidae	499-500	2	2
46. Ibiidae	501-504	2	4
47. Plataleidae	505	1	1
48. Hæmatopodidae	506-508	1	3
49. Strepsilidae	509-511	2	3
50. Charadriidae	512-523	7	12 + 2 = 14
51. Scolopacidae	524-562	21	39 + 4 = 43
52. Phalaropodidae	563-565	3	3
53. Recurvirostridae	566-567	2	2
54. Parridae	568	1	1
55. Rallidae	569-580	6	12 + 2 = 14
56. ARAMIDÆ	581	1	1
57. Grnidae	582-584	1	3

* Families peculiar to America in small capitals; peculiar to North America in italics. Palearctic families not represented by a peculiar species in America are placed in brackets.

† The figures following the sign + denote the number of recognized races not distinguished by a separate number in the catalogue; those in the last column the total of species and races.

Table of families of North American birds—Continued.

	Numbers of the cata- logue.	Number of gen- era.	Number of spe- cies.
58. Phœnicopteridæ	585	1	1
59. Anatidæ	586-638	30	53 + 6 = 59
60. Tachypetidæ	639	1	1
61. Pelecanidæ	640-641	1	2
62. Phalacrocoracidæ	642-648	1	7 + 3 = 10
63. Plotidæ	649	1	1
64. Sularidæ	650-653	1	4
65. Phaëthontidæ	654-655	1	2
66. Rhyncopsidæ	656	1	1
67. Laridæ	657-695	9	39 + 2 = 41
68. Stercorariidæ	696-699	2	4
69. Procellariidæ	700-728	15	29 + 2 = 31
70. Podicipitidæ	729-735	5	7 + 1 = 8
71. Colymbidæ	736-740	1	5
72. Alcidiæ	741-764	14	24 + 3 = 27

SUMMARY.

Number of genera	379
Number of species	764
Number of subspecies	160

CONCORDANCE.

No. of old cata- logue.	No. of new cata- logue.	No. of old cata- logue.	No. of new cata- logue.	No. of old cata- logue.	No. of new cata- logue.	No. of old cata- logue.	No. of new cata- logue.	No. of old cata- logue.	No. of new cata- logue.	No. of old cata- logue.	No. of new cata- logue.
1	454	35	427	69	387	102	336	135	315	167	74
2	453	36	428	70	388	103	340	136	316	167 _a	74 _a
3	455	37	429	71	386	104	339	137	318	168	88
4	—	38	430	72	359	105	338	138	321	169	75
5	414	39	449	73	—	106	337	139	320	170	122
6	414	40	—	74	360	107	349	140	325 _a	171	—
7	417	41	451	75	360 _b	108	350	141	325	172	120
8	415	42	452	76	361	109	351	142	326	173	121
9	419	43	451	77	361 _a	110	352	143	324	174	118
10	413	44	425	78	364	111	353	144	322	175	119
11	412	45	423	79	363	112	354	144 _a	323	176	123
12	412 _a	46	434	80	362	113	355	145	327	177	123 _a
13	420	47	394	81	366	114	357	146	328	178	77
14	433	48	405	82	367	115	357 _a	147	330	179	76
15	431	49	402	83	368	116	358	148	1	180	79
16	431	50	402 _b	84	368 _a	116 _a	356	149	5 _b	181	81
17	432	51	395	85	369	117	382	149 _a	5 _a	182	78
18	442	52	396	86	369 _a	118	383	150	5	183	85
19	442	53	399	87	369 _b	119	381	151	2	183 _a	84
20	436 _b	54	397	88	370	120	333	152	4	184	86
21	442	55	400	89	370	121	332	153	4 _a	185	87
22	438	56	401	90	371	122	302	154	3	186	115
23	436	57	401	91	372	123	301	155	7	187	116
24	436 _b	58	408	92	373	124	304	156	9	188	117
25	439	59	408	93	374	125	303	157	21	189	107
26	439 _a	60	409	94	375	126	306	158	22	190	109
27	443	61	406	95	377	127	307	159	23	191	108
28	442	62	407	96	376	128	305	160	24	192	105
29	437	63	392	97	378	129	—	161	30	193	94
30	447	64	391	98	378 _b	130	312	162	33	194	95
31	447	65	384	98 _a	378 _a	131	313	163	32	195	96
32	448	66	389	99	379	132	311	164	19	196	102
33	445	67	389	100	—	133	314	165	71	197	100
34	426	68	385	101	335	134	317	166	73	198	111

Concordance—Continued.

No. of old catalogue.	No. of new catalogue.	No. of old catalogue.	No. of new catalogue.	No. of old catalogue.	No. of new catalogue.	No. of old catalogue.	No. of new catalogue.	No. of old catalogue.	No. of new catalogue.	No. of old catalogue.	No. of new catalogue.
199	112	259	15	318	172	378	254	440	295	500	503
200	99	259 _a	15	318 _a	172 _a	379	255	441	294	500 _a	504
201	98	260	13 _a	319	173	380	244	442	296	501	505
202	101	261	13	320	179	381	245	443	297	502	—
203	93	261 _a	13	321	178	382	246	444	288	503	515
204	97	262	56	322	175	383	247	445	456	504	516
205	110	263	59 _a	323	174	384	251	446	457	505	523
206	90	264	58	324	—	385	250	447	458	506	522
207	91	265	60	325	186	386	249	448	459	507	517
208	113	266	60 _a	326	187	387	248	449	462	508	520
209	103	267	61	327	188	388	252	450	464	509	521
210	114	268	67	328	189	389	243	451	460	510	513
211	124	269	68	329	189	390	244	452	466	511	511
212	126	270	63	330	190	391	237	453	465	512	507
213	125	271	63 _a	331	191	392	238 _b	454	467	513	508
214	127	272	63	332	193 _a	393	238	455	468	514	—
215	127	273	65	333	193	394	238 _a	456	469	515	509
216	132	274	35	334	194	395	241	457	470 _a	516	510
217	128	275	55	335	193 _b	396	240 _b	458	470	517	566
218	129	276	55 _a	336	196	397	240	459	471	518	567
219	130	277	51	337	197	398	239	460	472	519	565
220	161	278	51 _a	338	198	399	257	461	472 _a	520	564
221	164	279	52	339	199	400	258	462	479	521	563
222	163	280	53	340	200	401	261	463	478 _a	522	525
223	162	281	54	341	201	402	261 _a	464	477	523	526 _a
224	160	282	27	342	202	403	262	465	473	524	527
225	154	283	28	343	231 _c	404	260	465 _a	473 _a	525	527 _a
226	153	284	29	344	204	405	—	466	473 _b	526	529
227	155	285	36	345	206	406	263	467	474	527	535
228	156	286	37	346	207 _a	407	264	468	475	528	530
229	157	287	38	347	208	408	265	469	476	529	540
230	158	288	39	348	205	409	266	470	475	530	539 _a
231	152	289	41 _a	349	209	410	—	471	480	531	534
231 _a	152 _a	289 _a	41 _a	350	222	411	268	472	480 _b	532	538
232	150	290	41	351	221	412	267	473	481	533	536
233	151	291	41 _b	352	218	413	269	474	482	534	542
234	26	292	43	353	220	414	270	475	483	535	541
235	25	293	42	354	217	415	271	476	484	536	528
236	148	294	40	355	224	416	272	477	485	537	552
237	149	295	46	356	225	417	273	478	582	538	547
238	149 _a	296	45	357	210	418	274	479	583	539	548
239	—	297	49	358	214	419	275	480	584	540	549
240	135	298	47	359	211	420	277	481	581	541	550
241	136	299	48	360	212	421	278	482	491	542	553
242	—	300	50	361	213	422	278 _a	483	491	543	557
243	137	301	159	362	215	423	280	484	492	544	554
244	138	302	300	363	331	424	280	485	490	545	555
245	139	303	165	364	231 _b	425	281	486	489	546	556
246	145	304	166	365	231 _c	426	282	486 _a	489	547	553
247	142	305	168	366	231 _d	427	282 _a	487	487	548	545
248	143	306	168 _a	367	231 _a	428	282 _b	488	486	549	558
249	144	307	169	368	234	429	283	489	486	550	559
250	141	308	170	369	233	430	284	490	493	551	560
251	141 _a	209	—	370	226	431	285	491	498	552	569
252	140	301	184	371	228	432	286	492	497	553	571
253	11	311	—	372	230	433	287	493	494	554	572
253 _a	11	312	—	373	236	434	289	494	—	555	574
254	12	313	181	374	235	435	290	495	495	556	576
255	10	314	182	375	235 _a	436	290 _c	496	496	557	575
256	16	315	182 _a	376	235 _c	437	293	497	500	558	577
257	16 _a	316	183	376 _a	235 _b	438	292	498	502	559	580
258	17	317	185	377	256	439	291	499	501	560	579

Concordance—Continued.

No. of old catalogue.	No. of new catalogue.	No. of old catalogue.	No. of new catalogue.	No. of old catalogue.	No. of new catalogue.	No. of old catalogue.	No. of new catalogue.	No. of old catalogue.	No. of new catalogue.	No. of old catalogue.	No. of new catalogue.
561	578	589	615	620	642	651	706	681	679	710	741
561 _a	588	590	616	621	648	652	696	682	680	711	742
562	589	591	618	622	643 _b	653	697	683	681	712	745
563	591	592	617	623	643	654	698	684	682	713	744
563 _a	591 _a	593	620	624	643 _a	655	699	685	683	714	743 _a
564	590	594	619	625	644	656	660	686	685	715	743
565	593 _a	595	621	626	645	657	662	687	684	716	745
566	593 _a	596	622	627	646	658	661	688	681	717	746
567	594	597	623	628	649	659	662	689	686	718	746
567 _a	594 _c	598	625	629	654	660	663	690	687	719	748
568	594 _b	599	626	630	—	661	664 _a	691	685	720	748
569	594 _a	600	624	631	701	662	664	692	688	721	749
570	595	601	632	632	702	663	668	693	687	722	750
571	596	602	633	633	703	664	669	694	690	723	750
572	597	603	633	634	704	664 _a	670	695	693	724	751
573	598	604	630	635	705	665	670	696	695	725	747
574	599	605	632	636	705 _a	666	672	697	656	726	760
575	600	606	627 _a	637	706	667	673	698	736	727	761
576	601	607	628	638	717	668	674	699	738	728	762
577	602	608	629	639	719	669	674	700	739	729	763
578	605	609	634	640	726	670	675	701	740	730	763
579	612	610	635	641	727	671	—	702	731	731	764
580	611	611	636	642	723	672	658	703	—	732	755
581	609	612	637	643	724	673	674	703 _a	731	733	755
582	610	613	638	644	722	674	659	704	729	734	759
583	608	614	—	645	721	675	659	705	730	735	756
584	604	615	640	646	728	676	657	706	732	736	753
585	607	616	641	647	709	677	657	707	733 _a	737	754
586	606	617	650	648	714	678	676	708	733	738	752
587	613	618	652	649	711	679	678	708 _a	734		
588	614	619	639	650	712	680	677	709	735		

INDEX TO THE GENERA.

[The figures refer to the *number* of the first species of each genus in the catalogue, and not to the *page*.]

A.			
Accipiter	431	Basilinna	347
Actodromas	533	Bernicla	594
Æchmophorus	729	Bonasa	473
Ægialitis	517	Botaurus	497
Ægiothus	178	Brachyrhamphus	755
Æsalon	416	Bubo	405
Æthya	617	Budytes	70
Agelæus	261	Buteo	435
Aix	613	Butorides	494
Ajaja	505		
Alauda	299	C.	
Alca	741	Calamospiza	256
Alle	752	Calidris	542
Aluco	394	Callipepla	484
Amazilia	345	Calothorax	344
Ammodromus	201	Calypte	337
Ampelis	150	Campephilus	359
Amphispiza	224	Camptolæmus	624
Anas	601	Campylorhynchus	56
Anorthura	65	Canace	471
Anous	695	Caprimulgus	354
Anser	593	Cardellina	131
Antenor	434	Cardinalis	242
Anthus	71	Carpodacus	158
Antrostomus	353	Catharista	455
Aphelocoma	291	Cathartes	454
Aphriza	511	Catherpes	59
Aquila	449	Centrocerus	479
Aramus	581	Centronyx	191
Archibuteo	447	Centropheanus	187
Ardea	486	Centurus	372
Ardetta	498	Ceratorhina	746
Arquatella	530	Certhia	55
Asio	395	Certhiola	159
Astragalinus	181	Ceryle	382
Astur	433	Chaetura	351
Asturina	445	Chamaea	35
Atthis	342	Chamaepelia	465
Auriparus	50	Charadrius	514
		Chaulelasmus	604
		Chen	590
B.		Chondestes	204
Bartramia	555	Chordeiles	357
Basileuterus	133	Chrysomitris	184

Ciceronia.....	750		
Cinclus.....	19		
Circus.....	430		
Cistothorus.....	68		
Clangula.....	619		
Coceyzus.....	386		
Colaptes.....	378		
Columba.....	456		
Colymbus.....	736		
Contopus.....	318		
Conurus.....	392		
Corvus.....	280		
Cotile.....	157		
Coturniculus.....	198		
Creagrus.....	678		
Crex.....	577		
Crotophaga.....	389		
Cupidonia.....	477		
Cyanocitta.....	20		
Cyanocitta.....	289		
Cymochorea.....	723		
Cypseloides.....	350		
Cypselus.....	349		
Cyrtonyx.....	485		
		D.	
Dafila.....	605		
Daption.....	719		
Dendrocygna.....	599		
Dendræca.....	93		
Dichromanassa.....	491		
Diomedea.....	700		
Dolichonyx.....	257		
Dytes.....	732		
		E.	
Ectopistes.....	459		
Engyptila.....	463		
Elanoides.....	426		
Elanus.....	427		
Embernagra.....	236		
Empidonax.....	324		
Eremophila.....	300		
Ereunetes.....	541		
Ergaticus.....	132		
Erismatura.....	634		
Eudoeimus.....	501		
Eugenes.....	334		
Euphonia.....	160		
		F.	
Falco.....	414		
Florida.....	493		
Fratureula.....	743		
Fregetta.....	728		
Fulica.....	580		
Fulix.....	614		
Fulmarus.....	705		
		G.	
		Galeoscoptes.....	12
		Gallinago.....	526
		Gallinula.....	579
		Garzetta.....	490
		Geococcyx.....	385
		Geothlypis.....	120
		Geotrygon.....	467
		Glaucoedidum.....	409
		Grus.....	582
		Guiraca.....	246
		Gymnocitta.....	285
		H.	
		Haematopus.....	506
		Hadrostromus.....	333
		Haliaeetus.....	451
		Halocyptena.....	720
		Harelda.....	623
		Harporyhynchus.....	13
		Helminthophaga.....	78
		Helminthotherus.....	77
		Helonæa.....	76
		Herodias.....	489
		Hesperiphona.....	165
		Hesperocichla.....	9
		Heteroscelus.....	553
		Hierofalco.....	412
		Himantopus.....	567
		Hirundo.....	154
		Histrionicus.....	622
		Hydranassa.....	492
		Hydrochelidon.....	693
		Hylocihla.....	1
		Hylotomus.....	371
		I.	
		Iache.....	348
		Icteria.....	123
		Icterus.....	265
		Ictinia.....	428
		Ionornis.....	578
		J.	
		Junco.....	216
		L.	
		Lagopus.....	474
		Lampronetta.....	626
		Lanius.....	148
		Lanivireo.....	140
		Larus.....	660
		Leucosticte.....	174
		Limosa.....	543
		Lobipes.....	564
		Lomvia.....	764
		Lophodytes.....	638
		Lophophanes.....	36

Lophortyx	482	Pachyrhamphus	332
Loxia	172	Pagophila	657
Lunda	745	Pandion	425
M.		Parra	568
Machetes	554	Parula	88
Macrorhamphus	527	Parus	40
Mareca	606	Passerculus	192
Megalestris	696	Passerella	235
Melanerpes	375	Passeriua	247
Melanetta	631	Pediocetes	478
Meleagris	470	Pelecanus	640
Melopelia	464	Pelidna	539
Melospiza	231	Pelionetta	633
Mergus	636	Perisoreus	297
Merula	7	Perissoglossa	90
Micrathene	411	Petrochelidon	153
Micropalama	528	Peuceea	226
Milvulus	301	Peneedramus	92
Mimus	11	Phaethon	654
Mniotilta	74	Phainopepla	26
Molothrus	258	Phalacrocorax	642
Momotus	381	Phalacroptilus	355
Motacilla	69	Phalaropus	563
Mycteria	499	Phalacropterus	747
Myiadestes	25	Philactes	598
Myiarchus	311	Philohela	525
Myiodynastes	310	Phœbetria	703
Myiodiodes	124	Phœnicopterus	583
Myiozetetes	309	Phonipara	253
N.		Phylloscopus	34
Neocorys	73	Pica	286
Nettion	611	Picicorvus	284
Nomonyx	635	Picoides	367
Numenius	558	Picus	360
Nyctale	400	Pinicola	166
Nyctea	407	Pipilo	237
Nyctherodius	496	Pitangus	308
Nyctiardea	495	Plectrophanes	186
Nyctidromus	356	Plegadis	503
O.		Plotus	649
Oceanites	722	Podasocys	523
Oceanodroma	726	Podiceps	731
Ochthodromus	522	Podilymbus	735
Œdemia	630	Polioptila	27
Œstrelata	717	Polyborus	423
Olor	584	Polysticta	625
Onychotes	446	Poœcetes	197
Oporornis	118	Porzana	573
Oreortyx	481	Priocella	706
Oreoscoptes	10	Priofinus	707
Ornithion	331	Procellaria	721
Ortalis	469	Progne	152
Ortyx	480	Protonotaria	75
Ossiifraga	704	Psaltriparus	47
Oxyechus	516	Pseudogryphus	453

Psilorhinus	288	Stercorarius	697
Ptycorhamphus	751	Sterna	679
Puffinus	708	Strepsilas	509
Pyrranga	161	Strix	397
Pyrrhula	167	Sturnella	263
Pyrrhuloxia	243	Sturnus	279
Pyrocephalus	330	Sula	650
	Q.	Surnia	407
Querquedula	609	Symphemia	552
Quiscalus	275	Synthliborhamphus	753
	R.		T.
Rallus	569	Tachybates	734
Recurvirostra	566	Tachycineta	155
Regulus	30	Tachypetes	639
Rhodostethia	676	Tantalus	500
Rhyacophilus	550	Telnatodytes	67
Rhynchofalco	419	Thrasaetus	450
Rhynchophanes	190	Thryomanes	61
Rhynchops	656	Thryothorus	60
Rhynchopsitta	391	Tinnunculus	420
Rissa	658	Totanus	547
Rostrhamus	429	Tringa	529
	S.	Tringoides	557
Salpinctes	58	Trochilus	335
Saxicola	21	Troglodytes	63
Sayornis	315	Trogon	384
Scardafella	466	Tryngites	556
Scolecophagus	273	Turdus	6
Scolopax	524	Tyrannus	303
Scops	402		U.
Selasphorus	339	Ulula	399
Setophaga	128	Uria	760
Sialia	22	Urubitinga	444
Simorhynchus	748	Utamania	742
Sitta	51		V.
Siurus	115	Vanellus	512
Somateria	627	Vireo	142
Spatula	608	Vireosylvia	135
Speotyto	408		X.
Spermophila	252	Xanthocephalus	260
Sphyrapicus	369	Xanthura	296
Spiza	254	Xema	677
Spizella	210	Xenopicus	366
Squatarola	513		Z.
Starnoenas	468	Zamelodia	244
Steganopus	565	Zenaida	462
Stelgidopteryx	158	Zenaidura	460
Stellula	343	Zonotrichia	205

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