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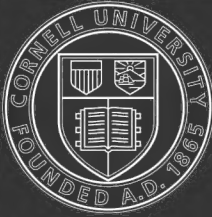
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Department of the Interior:

U. S. NATIONAL MUSEUM.

— 24 —

# BULLETIN

OF THE

UNITED STATES NATIONAL MUSEUM.

No. 21.

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WASHINGTON:  
GOVERNMENT PRINTING OFFICE.  
1881.

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## ADVERTISEMENT.

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This work is the twenty-fourth of a series of papers intended to illustrate the collections of natural history and ethnology belonging to the United States, and constituting the National Museum, of which the Smithsonian Institution was placed in charge by the act of Congress of August 10, 1876.

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

Arthur P. Chadbourne  
with compliments of  
OF Robert Ridgway

Apr. 8, 1881.

NORTH AMERICAN BIRDS

CHIEFLY CONTAINED IN THE

UNITED STATES NATIONAL MUSEUM.

BY

ROBERT RIDGWAY.

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WASHINGTON:  
GOVERNMENT PRINTING OFFICE.

1881.

*ARW*

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## 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 *Dendrocycna*.
- No. 617-618. "Aythya" changed to *Æthya*.
- No. 755. "Brachyrampus" changed to *Brachyrhampus*.

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 *unalasca*.  
 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 *cerviniventris* Gould.  
 No. 351. "pelagica" changed to *pelasgica*.  
 No. 377. "formicivorus (Sw.) Bp." changed to *formicivorus bairdi* Ridgw.  
 No. 543. "fedoa" changed to *fœda*.  
 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 760 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 42</i> | <i>Extralimital 20</i> | <i>Total 62</i>    |
| New forms given in catalogue of 1881.....                                  | <i>Species 127</i> | <i>Subspecies 99</i>   | <i>Total 226</i>   |
| Names of the old catalogue, or their equivalents, retained in the new..... | <i>Species 637</i> | <i>Subspecies 61</i>   | <i>Total 698</i>   |

|   |     |
|---|-----|
| 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 particular being decidedly of "Nearctic" 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 cuvieri*, *Perissoglossa* [?] *carbonata*, *Dendrocæa* [?] *montana*, and *Myiodiactes* [?] *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.†

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\* 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-

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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 (*Nymphæa flava*, Leitn.), 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. 365).

\* 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 enclosed in circles are those of new English species]  
[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 ALICIZÆ** 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. **OREOSOPTES 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.) VIELL.  
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. **DENDRCECA ÆSTIVA** (GMEL.) BAIRD.  
Summer Yellow Bird. [203.]
94. **DENDRCECA CÆRULESCENS** (LINN.) BAIRD.  
Black-throated Blue Warbler. [193.]
95. **DENDRCECA CORONATA** (LINN.) GRAY.  
Yellow-rump Warbler. [194.]
96. **DENDRCECA AUDUBONI** (TOWNS.) BAIRD.  
Audubon's Warbler. [195.]
97. **DENDRCECA MACULOSA** (GMEL.) BAIRD.  
Black-and-yellow Warbler. [204.]
98. **DENDRCECA CÆRULEA** (WILS.) BAIRD.  
Cerulean Warbler. [201.]
99. **DENDRCECA PENNSYLVANICA** (LINN.) BAIRD.  
Chestnut-sided Warbler. [200.]
100. **DENDRCECA CASTANEA** (WILS.) BAIRD.  
Bay-breasted Warbler. [197.]
101. **DENDRCECA STRIATA** (FORST.) BAIRD.  
Black-poll Warbler. [202.]
102. **DENDRCECA BLACKBURNIÆ** (GM.) BAIRD.  
Blackburnian Warbler. [196.]
103. **DENDRCECA DOMINICA** (LINN.) BAIRD.  
Yellow-throated Warbler. [209.]
- 103a. **DENDRCECA DOMINICA ALBILORA** BAIRD.  
White-browed Yellow-throated Warbler.
104. **DENDRCECA GRACIÆ** COUES.  
Grace's Warbler.
105. **DENDRCECA NIGRESCENS** (TOWNS.) BAIRD.  
Black-throated Gray Warbler. [192.]
106. **DENDRCECA CHRYSOPARIA** SCL. & SALV.  
Golden-cheeked Warbler.
107. **DENDRCECA VIRENS** (GMEL.) BAIRD.  
Black-throated Green Warbler. [189.]
108. **DENDRCECA 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.]
- 113a. **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.]
- 116a. **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.]
- 122a
123. **ICTERIA VIRENS** (LINN.) BAIRD.  
Yellow-breasted Chat. [176.]
- 123a. **ICTERIA VIRENS LONGICAUDA** (LAWR.) COUES.  
Long-tailed Chat. [177.]
124. **MYIODIOTES MITRATUS** (GMEL.) AUD.  
Hooded Warbler. [211.]
125. **MYIODIOTES PUSILLUS** (WILS.) BP.  
Black-capped Yellow Warbler. [213.]

- 125a. **MYIODIOCTES FUSILLUS 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.]
- 149 a. **LANIUS LUDOVICIANUS EXCUBITORIDES** (Sw.) COUES.  
 White-rumped Shrike. [238.]
- 149 b. **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. **FROGNE SUBIS** (LINN.) BAIRD.  
 Purple Martin. [231.]
- 152 a. **FROGNE SUBIS CRYPTOLEUCA** BAIRD.  
 Cuban Martin. [231 a.]
153. **PETROCHELIDON LUNIFRONS** (SAY) LAWR.  
 Cliff Swallow. [226.]
154. **HIRUNDO ERYTHROGASTRA** BODD.  
 Barn Swallow. [225.]
155. **TACHYCINETA BICOLOR** (VIEILL.) CABAN.  
 White-bellied Swallow. [227.]
156. **TACHYCINETA 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.]
- 175*a*. **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.]
- 178*a*. **ÆGIOTHUS CANESCENS EXILIPES** (COUES) RIDGW.  
White-rumped Redpoll.
179. **ÆGIOTHUS LINARIA** (LINN.) CABAN.  
Common Redpoll. [320.]
- 179*a*. **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.]
- 182*a*. **ASTRAGALINUS PSALTRIA ARIZONÆ** COUES.  
Arizona Goldfinch. [315.]
- 182*b*. **ASTRAGALINUS PSALTRIA MEXICANUS** (Sw.) COUES.  
Mexican Goldfinch.
183. **ASTRAGALINUS LAWRENCEI** (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. **RHYNCHOPHANES 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** LAWY.  
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.]
- 225 a. **AMPHISPIZA BELLI NEVADENSIS** RIDGW.  
Sagebrush Sparrow.
226. **PEUCÆA ÆSTIVALIS** (LICHT.) CABAN.  
Bachman's Finch. [370.]
- 226 a. **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.]
- 230 a. **PEUCÆA RUFICEPS BOUCARDI** (SCL.) RIDGW.  
Boucard's Sparrow.
231. **MELOSPIZA FASCIATA** (GMEL.) SCOTT.  
Song Sparrow. [363.]
- 231 a. **MELOSPIZA FASCIATA FALLAX** BAIRD.  
Mountain Song Sparrow. [367.]
- 231 b. **MELOSPIZA FASCIATA HEERMANNI** BAIRD.  
Heermann's Song Sparrow. [364.]
- 231 c. **MELOSPIZA FASCIATA SAMUELIS** BAIRD.  
Californian Song Sparrow. [343, 365.]
- 231 d. **MELOSPIZA FASCIATA GUTTATA** (NUTT.) BAIRD.  
Rusty Song Sparrow. [366.]
- 231 e. **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 PHENICEUS** (LINN.) VIEILL.  
Red-and-buff-shouldered Blackbird. [401.]

- 261a. **AGELÆUS PHENICEUS 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.) CADAN.  
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 ZENEUS** 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. **EREMOPHILA ALPESTRIS** (FORST.) BOIE.  
Shore Lark. [302.]
- 300 a. **EREMOPHILA ALPESTRIS LEUCOLÆMA** COUES.  
White-throated Shore Lark.
- 300 b. **EREMOPHILA 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.
- 329a. **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 AGLAÏÆ** (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. [116*a*.]
357. **CHORDEILES POPETUE** (VIEILL.) BD.  
Nighthawk. [114.]
- 357*a*. **CHORDEILES POPETUE HENRYI** (CASS.) ALLEN.  
Western Nighthawk. [115.]
- 357*b*. **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.]
- 360*a*. **PICUS VILLOSUS LEUCOMELAS** (BODD.) RIDGW.  
Great White-backed Sapsucker.
- 360*b*. **PICUS VILLOSUS HARRISI** (AUD.) ALLEN.  
Harris's Woodpecker. [75.]
361. **PICUS PUBESCENS** LINN.  
Downy Woodpecker. [76.]
- 361*a*. **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 RUFIFILEUS** 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. **GEOCOCYX 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.]

Stop here.

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.]
- 420a. **TINNUNCULUS SPARVERIUS ISABELLINUS** (SWAINS.) RIDGW.  
Isabelline Sparrow Hawk.
421. **TINNUNCULUS SPARVERIODES** (VIG.) GRAY.  
Cuban Sparrow Hawk.
- [422.] **TINNUNCULUS ALAUDARIUS** (GM.) GRAY.  
European Kestrel.
423. **POLYBORUS CHERIWAY** (JACQ.) CABAN.  
Caracara Eagle. [45.]
424. **POLYBORUS LUTOSUS** 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.]
- 433a. **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.]

- 436a. **BUTEO BOREALIS KRIDERI** HOOPES.  
Krider's Hawk.
- 436b. **BUTEO BOREALIS CALURUS** (CASS.) RIDGW.  
Western Red-tail. [20, 24.]
- 436c. **BUTEO BOREALIS LUCASANUS** RIDGW.  
Saint Lucas Red-tail.
- 436d. **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.]
- 439a. **BUTEO LINEATUS ELEGANS** (CASS.) RIDGW.  
Red-bellied Hawk. [26.]
440. **BUTEO ABBREVIATUS** CABAN.  
Zone-tailed Hawk.
441. **BUTEO ALBICAUDATUS** VIELL.  
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 PLAGIATA** (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 HARPYA** (LINN.) GRAY.  
Harpy Eagle.
451. **HALLÆTUS 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.]
- 470<sub>a</sub>. **MELEAGRIS GALLOPAVO AMERICANA** (BARTR.) COUES.  
Wild Turkey. [457.]



471. **CANACE OBSCURA** (SAY) BP.  
Dusky Grouse. [459.]
- 471a. **CANACE OBSCURA FULIGINOSA** RIDGW.  
Sooty Grouse.
- 471b. **CANACE OBSCURA RICHARDSONI** (DOUGL.) BAIRD.  
Richardson's Grouse.
472. **CANACE CANADENSIS** (LINN.) BP.  
Canada Grouse; Spruce Partridge. [460.]
- 472a. **CANACE CANADENSIS FRANKLINI** (DOUGL.) BAIRD.  
Franklin's Grouse. [461.]
473. **BONASA UMBELLUS** (LINN.) STEPH.  
Ruffed Grouse. [465.]
- 473a. **BONASA UMBELLUS UMBELLOIDES** (DOUGL.) BAIRD.  
Gray Ruffed Grouse. [465a.]
- 473b. **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.]
- 477a. **CUPIDONIA CUPIDO PALLIDICINCTA** RIDGW.  
Lesser Prairie Hen.
478. **PEDICECETES PHASIANELLUS** (L.) ELLIOT.  
Northern Sharp-tailed Grouse.
- 478a. **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.]
- 480a. **ORTYX VIRGINIANA FLORIDANA** COUES.  
Florida Quail.
- 480b. **ORTYX VIRGINIANA TEXANA** (LAWR.) COUES.  
Texan Quail. [472.]
481. **OREORTYX PICTA** (DOUGL.) BAIRD.  
Mountain Quail. [473.]

- 481 a. **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 EGRETTA** (GMEL.) RIDGW.  
American Egret. [486, 486 a.]
490. **GARZETTA CANDIDISSIMA** (GMEL.) BP.  
Snowy Heron. [485.]
491. **DICHROMANASSA RUF A** (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. [498.]
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.) CUV. *axillaries black*  
Black-bellied Plover. [510.]
- [514.] **CHARADRIUS PLUVIALIS** LINN.  
Golden Plover.
515. **CHARADRIUS DOMINICUS** MÜLL. *axillaries grey*  
American Golden Plover. [503.]
- [515a.] **CHARADRIUS DOMINICUS FULVUS** (GMEL.) RIDGW.  
Pacific Golden Plover.
516. **OXYECHUS VOCIFERUS** (LINN.) REICH. *chestnut rump*  
Killdeer. [504.]
517. **ÆGIALITES SEMIPALMATUS** BONAP. *Sumner very dark*  
Semipalmated Plover. [507.]
518. **ÆGIALITES HIATICULA** (LINN.) BOIE.  
Ringed Plover.
- [519.] **ÆGIALITES CURONICUS** (GMEL.) GRAY.  
Little Ringed Plover.

520. **ÆGIALITES MELODUS** (ORD) BP.  
Piping Plover. [508.]
- 520a. **ÆGIALITES MELODUS CIRCUMCINCTUS** RIDGW.  
Belted Piping Plover.
521. **ÆGIALITES 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.
- 526a. **GALLINAGO MEDIA WILSONI** (TEMM.) RIDGW.  
Wilson's Snipe. [523.]
527. **MACRORHAMPHUS GRISEUS** (GMEL.) LEACH.  
Red-breasted Snipe; Gray Snipe. [524.]
- 527a. **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. *Medium size. Throat fulvous*  
Baird's Sandpiper.
538. **ACTODROMAS MINUTILLA** (VIEILL.) BP. *Smaller than semipalmata*  
Least Sandpiper. [532.]
- [539.] **PELIDNA ALPINA** (LINN.) BOIE.  
European Dunlin.
- 539a. **PELIDNA ALPINA AMERICANA** CASS. *Red back in spring }  
Gray in fall }*  
Red-backed Sandpiper. [530.]
- [540.] **PELIDNA SUBARQUATA** (GULD.) CUV.  
Curlew Sandpiper. [529.]
541. **EREUNETES PUSILLUS** (LINN.) CASS. *Smaller semipalmata*  
Semipalmated Sandpiper. [535.]
- 541a. **EREUNETES PUSILLUS OCCIDENTALIS** (LAWR.) COUES.  
Western Sandpiper.
542. **CALIDRIS ARENARIA** (LINN.) ILLIG. *Clear like A. melanotos*  
Sanderling. [534.]
543. **LIMOSA FEDA** (LINN.) ORD. *Large tail barred throughout*  
Marbled Godwit. [547.]
544. **LIMOSA LAPPONICA NOVÆ-ZEALANDIÆ** GRAY. *Tail black barbed*  
Pacific Godwit.
545. **LIMOSA HÆMASTICA** (LINN.) COUES. *Tail black - among rocks*  
Hudsonian Godwit. [548.]
- [546.] **LIMOSA ZEOCEPHALA** (LINN.) LEACH.  
Black-tailed Godwit.
- [547.] **TOTANUS GLOTTIS** (LINN.) BECHST.  
Green-shank. [538.]
548. **TOTANUS MELANOLEUCUS** (GMEL.) VIEILL. *Large*  
Greater Yellow-legs; Tell-tale. [539.]
549. **TOTANUS FLAVIPES** (GMEL.) VIEILL. *medium size*  
Yellow-legs. [540.]
550. **RHYACOPHILUS SOLITARIUS** (WILS.) CASS. *white tail*  
Solitary Sandpiper. [541.]
- [551.] **RHYACOPHILUS OCHROPUS** (LINN.) RIDGW.  
Green Sandpiper.
552. **SYMPHEMIA SEMIPALMATA** (GMEL.) HARTL. *gray large*  
Willet. [537.]
553. **HETEROSCELUS INCANUS** (GMEL.) COUES.  
Wandering Tattler. [542.] •
- [554.] **MACHETES PUGNAX** (LINN.) CUV.  
Ruff. [544.]




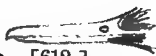
555. **BARTRAMIA LONGICAUDA** (BECHST.) BP.  
Bartram's Sandpiper; Field Plover. [545.]
556. **TRYNGITES RUFESCENS** (VIEILL.) CABAN.  
Buff-breasted Sandpiper. [546.]
557. **TRINGOIDES MACULARIUS** (LINN.) GRAY.  
Spotted Sandpiper. [543.]
558. **NUMENIUS LONGIROSTRIS** WILS. *Large - Bill very long*  
Long-billed Curlew. [549.]
559. **NUMENIUS HUDSONICUS** LATH. *Bill 3-4 inches*  
Hudsonian Curlew. [550.]
560. **NUMENIUS BOREALIS** (FORST.) LATH. *Bill less than 3 in.*  
Eskimo Curlew. [551.]
- [561.] **NUMENIUS PHÆOPUS** (LINN.) LATH.  
Whimbrel.
- [562.] **NUMENIUS TAHITIENSIS** (GMEL.) CASS.  
Bristle-thighed Curlew.
563. **PHALAROPUS FULICARIUS** (LINN.) BP. *Bill stout - broad  
at tip - Membranes  
scaecopina*  
Red Phalarope. [521.]
564. **LOBIPES HYPERBOREUS** (LINN.) CUV. *Bill slender - Mem  
branes scaecopina*  
Northern Phalarope. [520.]
565. **STEGANOPUS WILSONI** (SAB.) COUES. *Large - Mem  
branes not scalloped*  
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. *Large - Colors bright*  
Red-breasted Rail. [542.]
570. **RALLUS OBSOLETUS** RIDGW. *Large - colors less bright*  
Californian Clapper Rail.
571. **RALLUS LONGIROSTRIS CREPITANS** (GMEL.) RIDGW.  
Clapper Rail. [553.]
- 571a. **RALLUS LONGIROSTRIS SATURATUS** HENSH.  
Louisiana Clapper Rail.
572. **RALLUS VIRGINIANUS** LINN. *Small - Colors  
similar*  
Virginian Rail. [554.]
- [573.] **PORZANA MARUETTA** (LEACH.) BP.  
Spotted Crake.

574. **PORZANA CAROLINA** (LINN.) BAIRD. *Gray & yellow line*  
Sora Rail. [555.]
575. **PORZANA NOVEBORACENSIS** (GMEL.) BAIRD. *Very common*  
Little Yellow Rail. [557.]
576. **PORZANA JAMAICENSIS** (GMEL.) BAIRD. *Very common - Dark*  
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** (TEMM.) 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. *Speculum white. Tailfeathers re-  
bare as base*  
Scaup Duck. [588.]
615. **FULIX AFFINIS** (EYT.) BAIRD. " *white.*  
Little Blackhead. [589.]
616. **FULIX COLLARIS** (DONOV.) BAIRD. *Speculum gray*  
Ring-billed Blackhead. [590.]
617. **ZETHYIA VALLISNERIA** (WILS.) BOIE.  
Canvas-back. [592.]
618. **ZETHYIA 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. **CAMPTOLEMUS 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.




- 627a. **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.]
- 643a. **PHALACROCORAX DILOPHUS FLORIDANUS** (AUD.) RIDGW.  
Florida Cormorant. [624.]
- 643b. **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.  
Fallas's Cormorant. [621.]
649. **PLOTUS 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. *Three toes*  
Kittiwake Gull. [672.]
- 658a. **RISSA TRIDACTYLA KOTZBUEI** (BP.) COUES. *Front toe partially a lth.*  
Pacific Kittiwake.
659. **RISSA BREVIROSTRIS** BRANDT.  
Red-legged Kittiwake. [674, 675.]
660. **LARUS GLAUCUS** BRÜNN. *Pure white - Wing < 18.00*  
Glaucous Gull; Burgomaster. [656.]
661. **LARUS LEUCOPTERUS** FABER. *Pure white - Wing > 17.00*  
White-winged Gull. [658.]
662. **LARUS GLAUCESCENS** 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. [668, 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. *Bills black, tip brown*  
Cabot's Tern. [685.] *Size large*
684. **STERNA TRUDEAUI** AUD.  
Trudeau's Tern. [687.]
685. **STERNA FORSTERI** NUTT. *Outer web of outer tail feather white, inner part at the tip*  
Forster's Tern. [691, 686.]
686. **STERNA FLUVIATILIS** NAUM. *Bill orange - Outer web of outer tail feather under web pure white*  
Common Tern. [689.]
687. **STERNA MACRURA** NAUM. *Bill blood red*  
Arctic Tern. [690, 693.]
688. **STERNA DOUGALLI** MONTAG. *Outer tail feather entirely pure white*  
Roseate Tern. [692.]
689. **STERNA ALEUTICA** BAIRD. *Forehead white, size of 686*  
Aleutian Tern.
690. **STERNA ANTILLARUM** (LESS.) COUES. " " " *small*  
Least Tern. [694.]
691. **STERNA FULIGINOSA** GMEL. *Back grey*  
Sooty Tern. [688.]
692. **STERNA ANÆSTHETA** SCOP. *Back almost black*  
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.) VIELL.  
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. **PHCEBETRIA 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. **PRIOPHINUS 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 HOMOCHEA** 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 HOLBÖLLI** REINH. *is not always a body*  
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.) LAWR.  
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.  
Sooty Guillemot. [728.]
763. **LOMVIA TROILE** (LINN.) BRANDT.  
Common Guillemot. [729, 730.]
- 763 a. **LOMVIA TROILE CALIFORNICA** (BRYANT) COUES.  
California Guillemot.
764. **LOMVIA ARRA** (PALL.) BP.  
Thick-billed Guillemot.
- 764 a. **LOMVIA ARRA BRUNNICHII** (SCH.) RIDGW.  
Brunnich's Guillemot. [731.]



# APPENDIX.

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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. CATHARTES 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. 436b, *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. MNIOILTIA LONGIROSTRIS, Baird.†
171. GEOTHLYPIS 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 HAEMORRHOUS, 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*.

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\* 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. DEMIEGRETTA PEALII, Baird = No. 491, *white phase*.  
 486a. HERODIAS EGRETTEA 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 CHALCOPTERUS, 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 MICROCEROS, 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 Coues'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 OCHROCEPHALUS, 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. CHAMÆPELIA 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, 298. (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 Coues's Key, 1872, 351. (Arizona.)
18. *HARPORHYNCHUS GRAYSONI*, Baird.—*Cf.* LAW. Ann. Lyc. N. Y. x. Feb. 1871, —. (Socorro I.)
20. *Cyanecula suecica* (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.—*Phyllopneste 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*,  $\beta$ , *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. *Antilus pratensis* (Linn.) Bechst.—*Cf.* PAULSEN, ed. Hölbohl, 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 LUCLÆ*, 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*, HENSH. Am. Sportsman, v. 328, Feb. 20, 1875; Orn. Wheeler’s Exp. 1875, 202. (S. Arizona.)
- 103a. DENDROECA DOMINICA ALBILORA, Baird.—*D. Dominica*, var. *albilora*, Am. Nat. vii. Oct. 1873, 605. (Mississippi Valley, south to Guatemala and Honduras.)
104. DENDROECA GRACILE, Coues.—*Cf.* BAIRD, Review Am. B. i. 1864, 210. (Ft. Whipple, Arizona; Coues.)
106. DENDROECA CHRYSOPARIA, ScL. & Salv.—*Cf.* BAIRD, Review Am. B. i. 1864, 185, foot-note. (San Antonio, Texas; Heermann.)
- 113a. DENDROECA 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.—*Myiodioctes 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) ScL.—*Muscicapa rubrifrons*, Giraud, Texan Birds, 1841, pl. vii. fig. 1. (“Texas.”)—*Cardellina rubrifrons*, Henshaw, Orn. Wheeler’s Exp. 1875, 211. (Arizona.)
133. *Basileuterus culicivorus* (Licht.) Bp.—*Muscicapa brasieri*, Giraud, Texan Birds, 1841, pl. vi. fig. 2.
134. *Basileuterus belli* (Giraud) ScL.—*Muscicapa belli*, Giraud, Texan Birds, 1841, pl. iv. fig. 1.
- 139a. VIREOSYLVIA GILVA SWAINSONI, Baird.—*Vireo swainsoni*, Baird, B. N. Am. 1858, 336, in text. (Pacific coast U. S.)
- 141b. LANIVIREO SOLITARIUS PLUMBEUS (Coues) Allen.—*Vireosylvia 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. PYRRHULA 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 TEPHROCOTIS 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 holböllii* (Brehm) Ridgw.—*Linaria holböllii*, BREHM, Vög. Deutschl.
180. ÆGIOTHUS BREWSTERI, Ridgw.—*Ægiothus (flavirostris var.) brewsteri*, 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.)

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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. *Poecetes 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 Coues'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, Coues.—*S. socialis*, var. *arizonæ*, COUES, Key, 1872, 143. (Ft. Whipple, Arizona.)  
 216. JUNCO AIKENI, Ridgw.—*J. hyemalis*, 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. PEUCEÆ ÆSTIVALIS ILLINOENSIS, Ridgw.—*P. illinoensis*, Bull. Nutt. Orn. Club, Oct. 1879, 219. (Texas to S. Illinois.)  
 227. PEUCEÆ ARIZONÆ, Ridgw.—*P. æstivalis*, var. *Arizonæ*, RIDGW. Am. Nat. Oct. 1873, 615. (S. Arizona.)  
 229. PEUCEÆ CARPALIS, Coues.—Am. Nat. vii. June, 1873, 322. (Tucson, Arizona; C. Bendire.)  
 230a. PEUCEÆ RUFICEPS BOUCARDI (Scl.) 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 ERYTHROPHthalmus ALLENI, Coues.—*P. alleni*, COUES, Am. Nat. v. Aug. 1871, 366. (Florida.)  
 238c. 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.)

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- 240a. PIPILIO 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 œneus* (Wagl.) Cab.—*Cf.* MERRILL, Bull. Nutt. Orn. Club, i. July, 1876, 88. (Ft. Brown, Texas.)
- 263a. STURNELLA MAGNA MEXICANA (ScL.) 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 ÆNEUS, Ridgw.—*Q. œneus*, 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 LEUCOLÆMA, Coues.—Birds N. W. 1874, 38. (Interior plains N. Am.)
- 300b. *Eremophila alpestris chrysolæma* (Wagl.) —.—*E. cornuta*, var. *chrysolæma*, BAIRD, B. N. Am. 1858, 403, in text. (Southwestern U. S.)
308. *Pitangus derbianus* (Kaup) ScL.—*P. derbianus*, COUES, The Country, July 13, 1878, 184. (Lomita, Texas; G. B. Sennett.)
309. *Myiozetetes texensis* (Giraud) ScL.—*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) ScL.—*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* (ScL.) 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 ALLENI, 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.



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342. *Atthis heloisæ* (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*”, HENSH. 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.—“*Pyrrophaena 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 cervineiventris*, Gould.—“*A. cervineiventris*”, 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, 109 (= ♀).—*Heliopadica castaneocauda*, LAWR. t. c. 145 (= ♂). (Cape St. Lucas.)
348. *Iache latirostris* (Sw.) Elliot.—*Circe latirostris*, HENSH. Am. Sportsman, v. Feb. 20, 1875; Orn. Wheeler's Exp. 1875, 380. (Chiracahua 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, 298, 302. (Cape St. Lucas.)
365. *Picus stricklandi*, Malh.—*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 HOLOCHLORUS 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 MAXWELLIE*, Ridgw.—*S. asio*, *c.* *maxwelliæ*, 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.) Sc.—*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.)

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- 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 funerea ulula* (Linn.) Ridgw.—Cf. RIDGW. Bull. Nutt. Orn. Club, iii. Jan. 1878, 38. (St. Michael’s, Alaska; L. M. Turner.)
- 408a. *SPEOTYTO CUNICULARIA FLORIDANA*, Ridgw.—*S. cunicularia*, var. *floridana*, RIDGW. Am. Sportsman, iv. No. 14, July 4, 1874, 216. (Sarasota Bay, Florida.)
410. *Glaucidium phalænoides* (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 sparveriioides* (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.

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441. *Butco 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. Lyc. N. Y. x. 1871, 17; Proc. Boston Soc. xiv. 1871, 299. (Socorro I.)
463. *Engyptila albifrons* (Bp.) Coues.—*Echmoptila albifrons*, Coues, 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. *Pediæcetes phasianellus columbianus* (Ord) Ridgw.—*Phasianus columbianus*, Ord, Guthrie's Geog. 2d Am. ed. ii. 1815, 317.—*Pediæcetes columbianus*, ELLIOT, Pr. Ac. Nat. Sci. Philad. 1862, 403.
- 480a. ORTYX VIRGINIANA FLORIDANA, Coues.—*O. virginianus*, var. *floridanus*, COUES, Key, 1872, 237. (Florida; J. A. Allen.)
- 481a. *Oreortyx piota 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. *Hæmatopus ostralegus*, Linn.—Cf. REINH. Ibis, 1861, 9. (Greenland.)
512. *Vanellus cristatus* (Linn.) Meyer.—Cf. REINH. Ibis, 1861, 9. (Greenland.)
514. *Charadrius pluvialis*, 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.—*Æ. melodus*, var. *circumcinctus*, Am. Nat. viii. Feb. 1874, 109. ("Plains between Missouri River and Rocky Mountains.")
524. *Scolopax 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 (Coues) Ridgw.—"*Tringa crassirostris*", DALL, Am. Nat. viii. 1873, 635 (St. Paul's I., Alaska).—*Tringa ptilocnemis*, COUES, Elliott's Prybilov Islands, 1875, foot-note.

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533. *Actodromas 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 BAIRDI*, Coues.—Proc. Philad. Acad. 1861, 194. (Arctic America.)
539. *Pelidna alpina* (Linn.) Boie.—*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 novæ-zealandiæ*, 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. Bischoff.)
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. Kjobenhavn, 1879, 1. (South Greenland.)
- 646a. *Phalacrocorax violaceus resplendens* (Aud.) Ridgw.—*Graculus bairdii*, “GRUBER, MSS.”, COOPER, Proc. Philad. Acad. Jan. 1865, 5. (Farallone Islands.)

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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 æthereus*, 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 cahinnans*, 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. 1873, 50. (Labrador; Coues.)
689. STERNA ALEUTICA, Baird.—Trans. Chicago Acad. i. 1869, 321, pl. 31, fig. 1. (Kadiak, Alaska; Bischoff.)
692. *Sterna anæstæta*, Scopoli.—*Sterna (Haliplana) anosthæta*, COUES, Key, 1872, 322. (Florida.)
694. *Hydrochelidon leucoptera* (Meisn.) Boie.—Cf. BREWER, Am. Nat. March, 1874, 188. (Lake Koshkonong, Wisconsin; T. Kumlien.)
- 705b. FULMARUS 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. Zoöl. Soc. Lond. 1859, 167. (Alaska.)
- 763a. LOMVIA TROLLE 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.”

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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, *Ptylocichla* 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 "*Plonesticus*" 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 *Arceuthornis*, Kaup, 1829), *Turdus atrogularis*, Temm. (type of *Cichloides*, Kaup, 1829), *Turdus torquatus*, Linn. (type of *Thracocincla*, 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. *Cyanecula*, 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, Sclater, 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. *Telmatoctes*, 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, Coues, 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.]

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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. *Cotilc*, 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, *Fringilla tristis*, Linn.).
187. *Centrophanes*, Kaup, Ent. Gesch. Eur. Thierw. 1829 (type, *Emberiza lapponica*, Linn.).
190. *Rhynchophanes*, Baird, B. N. Am. 1858, 432, in text (type, *Plectrophanes macconni*, 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*, Sclater, ex. Schiff.—*Myiozeta*, "Schiff.", Bp. Compt. Rend. xxxviii. 1854, — (type ?).—*Myiozetetes*, Scl. 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 cuvieri*, 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. IACHE, 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. Sclater, 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.]

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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*, Linnæus, S. N. ed. 10, i. 1758, 92 (type, *S. stridula*, Linn.). [Cf. NEWTON, Ibis, ser. iii. vi. 94-105.]
399. *Ululu*, 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 *Scotiaptex*, 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 *Scotiaptex*, 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 æsalon*, Gmel. = *F. regulus*, Pall.).
419. RHYNCHOFALCO, Ridgway, Proc. Boston Soc. 1873, 46 (type, *Falco femoralis*, Temm. = *F. fusco-cærulescens*, 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 uncinectus*, 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. *Thrasaëtus*, Gray, Proc. Zool. Soc. Lond. 1837, 108 (type, *Falco harpyia*, Linn.).
451. *Haliaëtus*, 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, *Vultur californianus*, Shaw).
455. *Catharista*, Vieillot, Analyse, 1816, 21 (type, *Vultur urubu*, Vieill. = *V. 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. [= *Ortaliäla*, Merrëm (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 ludoviciana*, Gmel. = *A. tricolor*, Müll.).
499. *Mycteria*, Linnæus, S. N. i. 1758, 140 (type, *M. americana*, Linn.).
501. *Eudocimus*, Wagler, Isis, 1832, 1232 (type, *Scolopax 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.]



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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. rusticola*, 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. Mèth. 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. 166, 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. xlv. 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*, Mœhring, is adopted; but Mœhring'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, *Diomedea fuliginosa*, Gmel.).
704. *Ossifraga*, Hombron & Jacquinot, Compt. Rend. xviii. 1844, 356 (type, *Procellaria gigantea*, Gmel.).
706. *Priocella*, Hombron & Jacquinot, Compt. Rend. xviii. 1844, 357 (type, *Procellaria glacialoides*, Smith = *P. tenuirostris*, Aud.).
707. *Priofinus*, Hombron & Jacquinot, Compt. Rend. xviii. 1844, 355 (type, *Procellaria cinerea*, Gmel. (?) = *P. melanura*, Bonn.).
717. *Æstrelata*, Bonaparte, Consp. ii. 1855, 188 (type, *Procellaria hæsitata*, Temm.).
720. *HALOCYPTENA*, Coues, Proc. Philad. Acad. 1834, 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*.

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723. *Cymochorea*, Coues, Proc. Philad. Acad. 1864, 75 (type, *Procellaria leucorrhoea*, Vieill.).
726. *Oceanodroma*, Reichenbach, Av. Syst. 1853, xviii. (type, *Procellaria furcata*, Gmel.).
730. *Æchmophorus*, 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. *Fratereula*, 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. *Ceratorhina*.—Cf. COUES, Key, 1872, 341. [= *Cerorhinca*, Bonap. Ann. Lyc. N. Y. ii. 1828, 428 (false orthography).]
748. *Simorhynchus*, "Merrem, —, 1819 (type, *Alca cristatella*, Pall. fide G. R. Gray)". [Cf. COUES, Proc. Philad. Acad. 1868, 35.]
750. *Ciceronia*, Reichenbach, Av. Syst. Nat. 1853, — (type, *Phaleris microceros*, 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. *Synthliborhamphus*, 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.)
- 238c. *PIPILO MACULATUS CONSOBRINUS*. (Guadalupe.)
- 238d. *PIPILO MACULATUS CARMANI*. (Socorro.)
- 240a. *PIPILO 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.)

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267. *ICTERUS WAGLERI*. (Mexico.)  
 288. *PSILORHINUS MORIO*. (E. Mexico.)  
 291. *APHELOCOMA ULTRAMARINA COUHL*. (E. Mexico.)  
 347. *BASILINNA XANTUSL*. (Cape St. Lucas.)  
 363a. *PICUS SCALARIS LUCASANUS*. (Cape St. Lucas.)  
 377a. *MELANERPES FORMICIVORUS ANGUSTIFRONS*. (Cape St. Lucas.)  
 380. *COLAPTES RUFIPILEUS*. (Guadalupe.)  
 381. *MOMOTUS CÆRULEICEPS*. (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. *MYIOZETETES TEXENSIS* (= *Muscicapa texensis*, Giraud).  
 314. *MYIARCHUS LAWRENCEI* (= *Tyrannula lawrencii*, Giraud).  
 329. *EMPIDONAX FULVIFRONS* (= *Muscicapa fulvifrons*, Giraud).

e. Species (chiefly Palæartic) 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. *HALIÆTUS ALBICILLA*. Resident in Greenland.  
 [488.] *ARDEA CINEREA*. Accidental in Greenland.  
 [506.] *HÆMATOPUS OSTRALÉGUS*. 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.] RHYACOPHILUS OCHROPUS. Accidental in Nova Scotia.  
 [554.] MACHETES PUGNAX. Casual in Eastern North America (several records).  
 [561.] NUMENIUS PHÆOPUS. 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.] CESTRELATA HÆSITATA. Accidental off Atlantic coast of U. S.  
 [718.] CESTRELATA 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 LAPONICA. Casual (?) in Alaska (St. Michael's).  
 [407a.] SURNIA FUNEREA ULULA. Casual (?) in Alaska (St. Michael's).  
 511. APRIZA 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 LAPONICA 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.] PHEBETRIA 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 TRISEUS. Casual (?) off coast of Lower California.  
 716. PUFFINUS TENUIROSTRIS. North Pacific (casual?).  
 [719.] DAPTION CAPENSIS. Accidental off coast of California.

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

Catalogue No.

- [21.] SAXICOLA CENANTHE. 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. CERTHIOLA BAHAMENSIS. (Indian Key.) *Hab.* Bahamas.  
 184. CHRYSOMITRIS NOTATA. (Accidental in Kentucky, *vide* AUDUBON.) *Hab.* highlands 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.  
 357b. 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.  
 420a. 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. ZENAI DA 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. HELMINTHOPHAGA LUCIÆ. (Arizona.)
- \* 89a. PARULA INSULARIS NIGRILORA. (Lower Rio Grande.)
- \* 92. PEUCEDRAMUS OLIVACEUS. (Lower Rio Grande & Arizona.)
- \* 104. DENDROECA GRACILÆ. (Arizona.)
- \* 106. DENDROECA 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. PEUCÆA ARIZONÆ. (Lower Rio Grande to Arizona.)
- \* 230a. PEUCÆA RUFICEPS BOUCARDI. (Arizona.)
- \* 236. *Embernagra rufivirgata*. (Lower Rio Grande.)
- \* 241. PIPILLO ABERTI. (Arizona.)
- \* 242a. CARDINALIS VIRGINIANUS IGNEUS. (Arizona; Lower California.)
- \* 243. PYRRHULOXIA 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.)

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\* Accidental in Michigan!

## 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. *LACHE 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. *CROTOPHAGA 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 PHALÆNOIDES*. (Texas and Arizona.)  
 \*411. *MICRATHENE WHITNEYI*. (Arizona; S. E. California.)  
 419. *RHYNCHOFALCO 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. *Engyptila albifrons*. (S. Texas.)  
 464. *MELOPEDIA 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 GAMBELI*. (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, 298, 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. *DENDRÆGA MONTANA* (Wils.) Baird.—*Lylwia montana*, WILS. Am. Orn. v. 1812, 113, pl. xliv. 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. *gutturalis*, 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. *vespertina*, 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 vespertina* 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 brunnescens*, 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<sup>mm</sup> shorter. Distinguished by its coloration. The red in ground tone is nearest that of the "Haken-gimpel" [*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 cærulea* var. *eurhyncha*, 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 cwieri*, 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. *pallescens*, BAIRD, Proc. Philad. Acad. 1859, 305. (Cape St. Lucas.) =No. 465.
25. *Pediocætes kennicotti*, SUCKL. Proc. Philad. Acad. 1861, 361. =No. 478.
26. *Bonasa jobsei*, 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 pasmorei*, HINCKS, Pr. Linn. viii. 1864, 1. (Toronto, Canada.) =No. 589, juv.
30. *Bernicla barnstoni*, ROSS, Canad. Nat. vii. April, 1862, —. =594, var. ?
31. *Bernicla leucolæma*, 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. *Thalasseus 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 L., 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 Unaria hobölli*, 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. *Geothlypis æquinoctialis* (Gmel.) Caban.—*Sylvia delafeldii*, AUD. Orn. Biog. v. 1839, 307 ("Oregon").—*Trichas delafeldii*, AUD. B. A. Am. ii. 1841, 81, pl. 103.—*Geothlypis 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* (Aud.) Caban.—*Carduelis yarrelli*, AUD. Synop. 1839, 117 ("California"); B. Am. iii. 1841, 136, pl. 184.—*Chrysomitris 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.—*Chrysomitris stanleyi*, BAIRD, B. N. Am. 1858, 420; Cat. 1859, No. 311.
7. HYPOLIA ARCTOA (Pall.) Ridgw.—*Leucosticte arctoa*, CABAN. Mus. Hein. i. 1851, 154 ("Russian-America").—*Leucosticte arctous*, BAIRD, B. N. Am. 1858, 430; Cat. 1859, No. 324.
8. CARPODACUS HEMORRHOUS (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. & RICH. 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 COLLEI (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* "*cyaneus*" for *C. hudsonius*, *Regulus* "*cristatus*" 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 (“Pictou, 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. *Hæmatopus ater*, Vieill.—*Hæmatopus townsendii*, AUD. Orn. Biog. v. 1839, 247, pl. 427; B. Am. v. 1842, 245, pl. 326.—*Hæmatopus ater*, BAIRD, B. N. Am. 1858, 700; Cat. 1859, No. 514.
30. “TRINGA” *PLATYRHYNCHA*, 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. *CORVUS 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. *CALLIPETITACUS NOVÆ-HOLLANDIÆ* (Gm.) Finsch. Sing Sing, N. Y. † *Hab.* Australia!
10. *CHENALOPEX ÆGYPTIACA* (Linn.) Steph. Carnarsie, Long Island, Jan. 3, 1877. (AKEURST, 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. melanura* Lawr. (Black-capped Gnatcatcher). Mr. W. Brewster, however, has recently determined that *P. melanura* 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. Cinc. 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* Swais.), 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 PYGMÆUS* (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. vide* 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. Turdidæ .....          | 1-18                      | 8                 | 18 + 8 = 26         |
| 2. Cinclidæ .....         | 19                        | 1                 | 1                   |
| 3. [Luscinidæ].....       | 20                        | 1                 | 1                   |
| 4. Saxicolidæ .....       | 21-24                     | 2                 | 4                   |
| 5. PTILOGONATIDÆ .....    | 25-26                     | 2                 | 2                   |
| 6. Sylviidæ .....         | 27-34                     | 3                 | 8 + 1 = 9           |
| 7. Chamæidæ .....         | 35                        | 1                 | 1                   |
| 8. Paridæ .....           | 36-50                     | 4                 | 15 + 3 = 18         |
| 9. Sittidæ .....          | 51-54                     | 1                 | 4 + 1 = 5           |
| 10. Certhiidæ .....       | 55                        | 1                 | 1 + 1 = 2           |
| 11. Troglodytidæ .....    | 56-68                     | 9                 | 13 + 9 = 21         |
| 12. Motacillidæ .....     | 69-73                     | 4                 | 5                   |
| 13. MNIOTILIDÆ .....      | 74-134                    | 18                | 61 + 8 = 69         |
| 14. VIREONIDÆ .....       | 135-147                   | 3                 | 13 + 3 = 16         |
| 15. Laniidæ .....         | 148-149                   | 1                 | 2 + 2 = 4           |
| 16. Ampelidæ .....        | 150-151                   | 1                 | 2                   |
| 17. Hirundinidæ .....     | 152-158                   | 6                 | 7 + 1 = 8           |
| 18. CEREBIDÆ .....        | 159                       | 1                 | 1                   |
| 19. TANAGRIDÆ .....       | 160-164                   | 2                 | 5 + 1 = 6           |
| 20. Fringillidæ .....     | 165-256                   | 36                | 91 + 35 = 126       |
| 21. ICTERIDÆ .....        | 257-278                   | 8                 | 22 + 5 = 27         |
| 22. [Sturnidæ].....       | 279                       | 1                 | 1                   |
| 23. Corvidæ .....         | 280-298                   | 9                 | 19 + 7 = 26         |
| 24. [Alaudidæ] .....      | 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. Cypselidæ .....       | 349-352                   | 3                 | 4                   |
| 29. Caprimulgidæ .....    | 353-358                   | 5                 | 6 + 2 = 8           |
| 30. Picidæ .....          | 359-380                   | 10                | 22 + 10 = 32        |
| 31. MOMOTIDÆ .....        | 381                       | 1                 | 1                   |
| 32. Alcedinidæ .....      | 382-383                   | 1                 | 2                   |
| 33. Trogonidæ .....       | 384                       | 1                 | 1                   |
| 34. Cuculidæ .....        | 385-390                   | 3                 | 6                   |
| 35. Psittacidæ .....      | 391-393                   | 2                 | 3                   |
| 36. Strigidæ .....        | 394-411                   | 12                | 18 + 11 = 29        |
| 37. Falconidæ .....       | 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. Tetraonidæ .....      | 471-479                   | 6                 | 9 + 7 = 16          |
| 43. Perdiciidæ .....      | 480-485                   | 5                 | 6 + 3 = 9           |
| 44. Ardeidæ .....         | 486-498                   | 11                | 13                  |
| 45. Ciconiidæ .....       | 499-500                   | 2                 | 2                   |
| 46. Ibiidæ .....          | 501-504                   | 2                 | 4                   |
| 47. Plataleidæ .....      | 505                       | 1                 | 1                   |
| 48. Hæmatopodidæ .....    | 506-508                   | 1                 | 3                   |
| 49. Strepstilidæ .....    | 509-511                   | 2                 | 3                   |
| 50. Charadriidæ .....     | 512-523                   | 7                 | 12 + 2 = 14         |
| 51. Scolopacidæ .....     | 524-562                   | 21                | 39 + 4 = 43         |
| 52. Phalaropodidæ .....   | 563-565                   | 3                 | 3                   |
| 53. Recurvirostridæ ..... | 566-567                   | 2                 | 2                   |
| 54. Parridæ .....         | 568                       | 1                 | 1                   |
| 55. Rallidæ .....         | 569-580                   | 6                 | 12 + 2 = 14         |
| 56. ARAMIDÆ .....         | 581                       | 1                 | 1                   |
| 57. Gruidæ .....          | 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 catalogue. | Number of genera. | Number of species. |
|----------------------------|---------------------------|-------------------|--------------------|
| 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. Alcidæ .....           | 741-764                   | 14                | 24 + 3 = 27        |

## SUMMARY.

|                            |     |
|----------------------------|-----|
| Number of genera .....     | 379 |
| Number of species .....    | 764 |
| Number of subspecies ..... | 160 |

## CONCORDANCE.

| 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. |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1                     | 454                   | 35                    | 427                   | 69                    | 387                   | 102                   | 336                   | 135                   | 315                   | 167                   | 74                    |
| 2                     | 453                   | 36                    | 428                   | 70                    | 388                   | 103                   | 340                   | 136                   | 316                   | 167 <sup>a</sup>      | 74 <sup>a</sup>       |
| 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 <sup>a</sup>      | 171                   | —                     |
| 7                     | 417                   | 41                    | 451                   | 75                    | 360 <sup>b</sup>      | 108                   | 350                   | 141                   | 325                   | 172                   | 120                   |
| 8                     | 415                   | 42                    | 452                   | 76                    | 361                   | 109                   | 351                   | 142                   | 326                   | 173                   | 121                   |
| 9                     | 419                   | 43                    | 451                   | 77                    | 361 <sup>a</sup>      | 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 <sup>a</sup>      | 323                   | 176                   | 123                   |
| 12                    | 412 <sup>a</sup>      | 46                    | 434                   | 80                    | 362                   | 113                   | 355                   | 145                   | 327                   | 177                   | 123 <sup>a</sup>      |
| 13                    | 420                   | 47                    | 394                   | 81                    | 366                   | 114                   | 357                   | 146                   | 328                   | 178                   | 77                    |
| 14                    | 433                   | 48                    | 405                   | 82                    | 367                   | 115                   | 357 <sup>a</sup>      | 147                   | 330                   | 179                   | 76                    |
| 15                    | 431                   | 49                    | 402                   | 83                    | 368                   | 116                   | 358                   | 148                   | 1                     | 180                   | 79                    |
| 16                    | 431                   | 50                    | 402 <sup>b</sup>      | 84                    | 368 <sup>a</sup>      | 116 <sup>a</sup>      | 356                   | 149                   | 5 <sup>b</sup>        | 181                   | 81                    |
| 17                    | 432                   | 51                    | 395                   | 85                    | 369                   | 117                   | 382                   | 149 <sup>a</sup>      | 5 <sup>a</sup>        | 182                   | 78                    |
| 18                    | 442                   | 52                    | 396                   | 86                    | 369 <sup>a</sup>      | 118                   | 383                   | 150                   | 5                     | 183                   | 85                    |
| 19                    | 442                   | 53                    | 399                   | 87                    | 369 <sup>b</sup>      | 119                   | 381                   | 151                   | 2                     | 183 <sup>a</sup>      | 84                    |
| 20                    | 436 <sup>b</sup>      | 54                    | 397                   | 88                    | 370                   | 120                   | 333                   | 152                   | 4                     | 184                   | 86                    |
| 21                    | 442                   | 55                    | 400                   | 89                    | 370                   | 121                   | 332                   | 153                   | 4 <sup>a</sup>        | 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 <sup>b</sup>      | 58                    | 408                   | 92                    | 373                   | 124                   | 304                   | 156                   | 9                     | 188                   | 117                   |
| 25                    | 439                   | 59                    | 408                   | 93                    | 374                   | 125                   | 303                   | 157                   | 21                    | 189                   | 107                   |
| 26                    | 439 <sup>a</sup>      | 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 <sup>b</sup>      | 130                   | 312                   | 162                   | 33                    | 194                   | 95                    |
| 31                    | 447                   | 65                    | 384                   | 98 <sup>a</sup>       | 378 <sup>a</sup>      | 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 <sub>a</sub>      | 15                    | 318 <sub>a</sub>      | 172 <sub>a</sub>      | 379                   | 255                   | 441                   | 294                   | 500 <sub>a</sub>      | 504                   |
| 201                   | 98                    | 260                   | 13 <sub>a</sub>       | 319                   | 173                   | 380                   | 244                   | 442                   | 296                   | 501                   | 505                   |
| 202                   | 101                   | 261                   | 13                    | 320                   | 179                   | 381                   | 245                   | 443                   | 297                   | 502                   | —                     |
| 203                   | 93                    | 261 <sub>a</sub>      | 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 <sub>a</sub>       | 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 <sub>a</sub>       | 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 <sub>a</sub>       | 331                   | 191                   | 392                   | 238 <sub>b</sub>      | 454                   | 467                   | 513                   | 508                   |
| 214                   | 127                   | 272                   | 63                    | 332                   | 193 <sub>a</sub>      | 393                   | 238                   | 455                   | 468                   | 514                   | —                     |
| 215                   | 127                   | 273                   | 65                    | 333                   | 193                   | 394                   | 238 <sub>a</sub>      | 456                   | 469                   | 515                   | 509                   |
| 216                   | 132                   | 274                   | 35                    | 334                   | 194                   | 395                   | 241                   | 457                   | 470 <sub>a</sub>      | 516                   | 510                   |
| 217                   | 128                   | 275                   | 55                    | 335                   | 193 <sub>b</sub>      | 396                   | 240 <sub>b</sub>      | 458                   | 470                   | 517                   | 566                   |
| 218                   | 129                   | 276                   | 55 <sub>a</sub>       | 336                   | 196                   | 397                   | 240                   | 459                   | 471                   | 518                   | 567                   |
| 219                   | 130                   | 277                   | 51                    | 337                   | 197                   | 398                   | 239                   | 460                   | 472                   | 519                   | 565                   |
| 220                   | 161                   | 278                   | 51 <sub>a</sub>       | 338                   | 198                   | 399                   | 257                   | 461                   | 472 <sub>a</sub>      | 520                   | 564                   |
| 221                   | 164                   | 279                   | 52                    | 339                   | 199                   | 400                   | 258                   | 462                   | 479                   | 521                   | 563                   |
| 222                   | 163                   | 280                   | 53                    | 340                   | 200                   | 401                   | 261                   | 463                   | 478 <sub>a</sub>      | 522                   | 525                   |
| 223                   | 162                   | 281                   | 54                    | 341                   | 201                   | 402                   | 261 <sub>a</sub>      | 464                   | 477                   | 523                   | 526 <sub>a</sub>      |
| 224                   | 160                   | 282                   | 27                    | 342                   | 202                   | 403                   | 262                   | 465                   | 473                   | 524                   | 527                   |
| 225                   | 154                   | 283                   | 28                    | 343                   | 231 <sub>c</sub>      | 404                   | 260                   | 465 <sub>a</sub>      | 473 <sub>a</sub>      | 525                   | 527 <sub>a</sub>      |
| 226                   | 153                   | 284                   | 29                    | 344                   | 204                   | 405                   | —                     | 466                   | 473 <sub>b</sub>      | 526                   | 529                   |
| 227                   | 155                   | 285                   | 36                    | 345                   | 206                   | 406                   | 263                   | 467                   | 474                   | 527                   | 535                   |
| 228                   | 156                   | 286                   | 37                    | 346                   | 207 <sub>a</sub>      | 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 <sub>a</sub>      |
| 231                   | 152                   | 289                   | 41 <sub>a</sub>       | 349                   | 209                   | 410                   | —                     | 471                   | 480                   | 531                   | 534                   |
| 231 <sub>a</sub>      | 152 <sub>a</sub>      | 289 <sub>a</sub>      | 41 <sub>a</sub>       | 350                   | 222                   | 411                   | 268                   | 472                   | 480 <sub>b</sub>      | 532                   | 538                   |
| 232                   | 150                   | 290                   | 41                    | 351                   | 221                   | 412                   | 267                   | 473                   | 481                   | 533                   | 536                   |
| 233                   | 151                   | 291                   | 41 <sub>b</sub>       | 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 <sub>a</sub>      | 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 <sub>a</sub>      | 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 <sub>b</sub>      | 425                   | 281                   | 486                   | 489                   | 546                   | 556                   |
| 246                   | 145                   | 304                   | 166                   | 365                   | 231 <sub>c</sub>      | 426                   | 282                   | 486 <sub>a</sub>      | 489                   | 547                   | 553                   |
| 247                   | 142                   | 305                   | 168                   | 366                   | 231 <sub>d</sub>      | 427                   | 282 <sub>a</sub>      | 487                   | 487                   | 548                   | 545                   |
| 248                   | 143                   | 306                   | 168 <sub>a</sub>      | 367                   | 231 <sub>a</sub>      | 428                   | 282 <sub>b</sub>      | 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 <sub>a</sub>      | 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 <sub>a</sub>      | 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 <sub>a</sub>      | 436                   | 290 <sub>c</sub>      | 496                   | 496                   | 557                   | 575                   |
| 256                   | 16                    | 315                   | 182 <sub>a</sub>      | 376                   | 235 <sub>c</sub>      | 437                   | 293                   | 497                   | 500                   | 558                   | 577                   |
| 257                   | 16 <sub>a</sub>       | 316                   | 183                   | 376 <sub>a</sub>      | 235 <sub>b</sub>      | 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 <sub>a</sub>      | 588                   | 590                   | 616                   | 621                   | 648                   | 652                   | 696                   | 682                   | 680                   | 711                   | 742                   |
| 562                   | 589                   | 591                   | 618                   | 622                   | 643 <sub>b</sub>      | 653                   | 697                   | 683                   | 681                   | 712                   | 745                   |
| 563                   | 591                   | 592                   | 617                   | 623                   | 643                   | 654                   | 698                   | 684                   | 682                   | 713                   | 744                   |
| 563 <sub>a</sub>      | 591 <sub>a</sub>      | 593                   | 620                   | 624                   | 643 <sub>a</sub>      | 655                   | 699                   | 685                   | 683                   | 714                   | 743 <sub>a</sub>      |
| 564                   | 590                   | 594                   | 619                   | 625                   | 644                   | 656                   | 660                   | 686                   | 685                   | 715                   | 743                   |
| 565                   | 593 <sub>a</sub>      | 595                   | 621                   | 626                   | 645                   | 657                   | 662                   | 687                   | 684                   | 716                   | 745                   |
| 566                   | 593 <sub>a</sub>      | 596                   | 622                   | 627                   | 646                   | 658                   | 661                   | 688                   | 681                   | 717                   | 746                   |
| 567                   | 594                   | 597                   | 623                   | 628                   | 649                   | 659                   | 662                   | 689                   | 686                   | 718                   | 746                   |
| 567 <sub>a</sub>      | 594 <sub>c</sub>      | 598                   | 625                   | 629                   | 654                   | 660                   | 663                   | 690                   | 687                   | 719                   | 748                   |
| 568                   | 594 <sub>b</sub>      | 599                   | 626                   | 630                   | —                     | 661                   | 664 <sub>a</sub>      | 691                   | 685                   | 720                   | 748                   |
| 569                   | 594 <sub>a</sub>      | 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 <sub>a</sub>      | 670                   | 695                   | 693                   | 724                   | 751                   |
| 573                   | 598                   | 604                   | 630                   | 635                   | 705                   | 665                   | 670                   | 696                   | 695                   | 725                   | 747                   |
| 574                   | 599                   | 605                   | 632                   | 636                   | 705 <sub>a</sub>      | 666                   | 672                   | 697                   | 656                   | 726                   | 760                   |
| 575                   | 600                   | 606                   | 627 <sub>a</sub>      | 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 <sub>a</sub>      | 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 <sub>a</sub>      | 737                   | 754                   |
| 586                   | 606                   | 617                   | 650                   | 648                   | 714                   | 678                   | 676                   | 708                   | 733                   | 738                   | 752                   |
| 587                   | 613                   | 618                   | 652                   | 649                   | 711                   | 679                   | 678                   | 708 <sub>a</sub>      | 734                   |                       |                       |
| 588                   | 614                   | 619                   | 639                   | 650                   | 712                   | 680                   | 677                   | 709                   | 735                   |                       |                       |



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