

COOPER ORNITHOLOGICAL CLUB

PACIFIC COAST AVIFAUNA
NUMBER 8

A SYSTEMATIC LIST OF THE
BIRDS OF CALIFORNIA

BY

JOSEPH GRINNELL

CONTRIBUTION FROM THE MUSEUM OF VERTEBRATE ZOOLOGY
OF THE UNIVERSITY OF CALIFORNIA



HOLLYWOOD, CALIFORNIA

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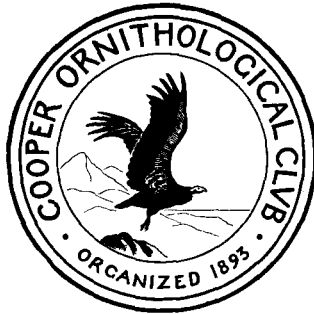
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Edited by
JOSEPH GRINNELL
and
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at the
Museum of Vertebrate Zoology
University of California

NOTE

PACIFIC COAST AVIFAUNA No. 8 is the eighth in a series of publications issued by the Cooper Ornithological Club for the accommodation of papers whose length prohibits their appearance in THE CONDOR.

The publications of the Cooper Ornithological Club consist of two series—THE CONDOR, which is the bi-monthly official organ, and the PACIFIC COAST AVIFAUNA. Both sets of publications are sent free to honorary members, and to active members in good standing.

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INTRODUCTION

It is believed that students of western ornithology will find use for a list of the birds of California arranged in accordance with the most modern views on classification. The following arrangement of our species will be observed to depart widely from that presented in most of the current textbooks. The majority of the latter in America are based upon the classification adopted twenty-six years ago in the first edition of the American Ornithologists' Union *Check-List of North American Birds*.

The system of grouping employed in the following pages is almost identically that based chiefly upon Gadow ¹ and presented by Knowlton ². It is also very similar to that chosen by Ridgway in his latest systematic treatise on North American birds ³. My allegiance to Knowlton's interpretation of the modern views of avian classification results from my belief, insofar as I have made inquiry and am able to judge, that he expresses most faithfully the concensus of opinion of those systematists whose accomplishments bring greatest confidence. Knowlton states his system to differ from Gadow's in certain minor modifications necessitated by "the later researches of Pycraft, Beddard, D'Arcy-Thompson, Shufeldt, Ridgway, Lucas, and other well-known authorities."

It is not for a moment to be inferred that I or anyone else believes that anywhere nearly a perfect system of classification has been reached. But I do maintain that it is anything but progressive to ignore the present attainments in our knowledge of the affinities of animals, merely because such recognition may entail some inconvenience resulting from the introduction of new names. It should prove not only useful but stimulating to the earnest student of our birds to have at hand an indication of modern views, even though in a mere nominal list.

The present list of species is extracted from a synonymic and distributional treatment of the birds of California which I now have on file in manuscript. It consists of the names of all species believed by the writer to deserve inclusion upon satisfactory grounds. That is, no birds of questionable standing, such as is ordinarily termed hypothetical, are given consideration. Wherein differences are observed in specific or subspecific names adopted, and in forms included or excluded, as compared with the latest (1910) edition of the A. O. U. *Check-List*, I am wholly responsible. My

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- (1) Gadow, Hans.
1893. Vögel. II. Systematischer Theil, pp. vii+304, in Sechster Band, Vierte Abtheilung, Dr. H. G. Bronn's Klassen und Ordnungen des Thier-Reichs (Leipzig, C. F. Winter'sche Verlagshandlung).
 - (2) Knowlton, Frank H.
1909. Birds of the World - - - "edited by Robert Ridgway" (New York, Henry Holt and Company), pp. xiii+873, 16 col. pls., 233 ills.
 - (3) Ridgway, Robert.
1901-1911. The Birds of North and Middle America = Bull. No. 50, U. S. National Museum (Washington, Government Printing Office), parts 1-v.

opinion in regard to the status of various subspecies is based upon my present understanding of the respective problems as illustrated by the extensive material at hand in the California Museum of Vertebrate Zoology.

While the sequence in Orders and Families is practically that of Knowlton, the species within each Family are arranged in the main in the order given in Ridgway's *Birds of North and Middle America*, as far as the groups have appeared in this as yet uncompleted work. Otherwise the order of species and genera is nearly that of the A. O. U. *Check-List*.

As a summary it is of interest to observe that, according to the present enumeration, 530 species and subspecies of birds are attributed to the State of California; discarding the third term of all trinomials, the number of "full species" is found to be 403; 253 Genera are represented, 51 Families, and eleven Orders.

Species with bracketed numbers are not of regular occurrence within the borders of the state. In other words, while the inclusion of the species so designated rests upon one or more perfectly authentic instances, these are to be considered in the nature of casual, or "accidental", occurrences. There are 55 species out of the whole list, that belong in this category.

JOSEPH GRINNELL.

Berkeley, California,
July 10, 1912.

A SYSTEMATIC LIST OF THE BIRDS OF CALIFORNIA.

Class **AVES** BirdsSubclass **NEORNITHES** Latter-day Birds

Order COLYMBIFORMES Loon-like Birds

Suborder COLYMBI Loons

Family **GAVIIDAE** Loons

1. **Gavia immer** (Brünnich). COMMON LOON.
2. **Gavia pacifica** (Lawrence). PACIFIC LOON.
3. **Gavia stellata** (Pontoppidan). RED-THROATED LOON.

Suborder PODICIPEDES Grebes

Family **PODICIPEDIDAE** Grebes

4. **Aechmophorus occidentalis** (Lawrence). WESTERN GREBE.
5. **Colymbus holboelli** (Reinhardt). HOLBOELL GREBE.
6. **Colymbus auritus** Linnaeus. HORNED GREBE.
7. **Colymbus nigricollis californicus** (Heermann). AMERICAN EARED GREBE.
8. **Podilymbus podiceps** (Linnaeus). PIED-BILLED GREBE.

Order PROCELLARIIFORMES Petrel-like Birds

Family **DIOMEDEIDAE** Albatrosses

9. **Diomedea nigripes** Audubon. BLACK-FOOTED ALBATROSS.
10. **Diomedea albatrus** Pallas. SHORT-TAILED ALBATROSS.

Family **PROCELLARIIDAE** Fulmars, Shearwaters and Petrels

11. **Fulmarus glacialis glupischa** Stejneger. PACIFIC FULMAR.
12. **Fulmarus rodgersi** Cassin. RODGERS FULMAR.
- [13.] **Daption capense** (Linnaeus). PINTADO PETREL.
14. **Puffinus creatopus** Coues. PINK-FOOTED SHEARWATER.
15. **Puffinus opisthomelas** Coues. BLACK-VENTED SHEARWATER.
16. **Puffinus griseus** (Gmelin). DARK-BODIED SHEARWATER.
17. **Puffinus carneipes** Gould. FLESH-FOOTED SHEARWATER.
18. **Puffinus tenuirostris** (Temminck). SLENDER-BILLED SHEARWATER.
19. **Puffinus bulleri** Salvin. NEW ZEALAND SHEARWATER.
- [20.] **Priofinus cinereus** (Gmelin). BLACK-TAILED SHEARWATER.
21. **Oceanodroma furcata** (Gmelin). FORKED-TAILED PETREL.
22. **Oceanodroma kaedingi** Anthony. KAEDING PETREL.
23. **Oceanodroma socorroensis** Townsend. SOCORRO PETREL.
24. **Oceanodroma homochroa** (Coues). ASHY PETREL.
25. **Oceanodroma melania** (Bonaparte). BLACK PETREL.
- [26.] **Oceanites oceanicus** (Kuhl). WILSON PETREL.

Order CICONIIFORMES Stork-like Birds

Suborder STEGANOPODES Totipalmate Swimmers

Family PELECANIDAE Pelicans

27. *Pelecanus erythrorhynchos* Gmelin. WHITE PELICAN.
 28. *Pelecanus californicus* Ridgway. CALIFORNIA BROWN PELICAN.

Family PHALACROCORACIDAE Cormorants

29. *Phalacrocorax auritus albociliatus* Ridgway. FARALLON CORMORANT.
 30. *Phalacrocorax penicillatus* (Brandt). BRANDT CORMORANT.
 31. *Phalacrocorax pelagicus resplendens* Audubon. BAIRD CORMORANT.

Family FREGATIDAE Frigate-birds

32. *Fregata aquila* (Linnaeus). MAN-O'-WAR-BIRD.

Suborder ARDEAE Herons, Bitterns, etc.

Family ARDEIDAE Herons, Bitterns, etc.

33. *Botaurus lentiginosus* (Montagu). AMERICAN BITTERN.
 34. *Ixobrychus exilis* (Gmelin). LEAST BITTERN.
 35. *Ardea herodias herodias* Linnaeus. GREAT BLUE HERON.
 36. *Ardea herodias treganzai* Court. PALLID BLUE HERON.
 37. *Herodias egretta* (Gmelin). AMERICAN EGRET.
 38. *Egretta candidissima candidissima* (Gmelin). SNOWY EGRET.
 39. *Butorides virescens anthonyi* (Mearns). ANTHONY GREEN HERON.
 40. *Nycticorax nycticorax naevius* (Boddaert). BLACK-CROWNED NIGHT HERON.

Suborder CICONIAE Storks, Ibises, etc.

Family CICONIIDAE Storks and Wood Ibises

41. *Mycteria americana* Linnaeus. WOOD IBIS.

Family IBIDIDAE Ibises

42. *Plegadis guarauna* (Linnaeus). WHITE-FACED GLOSSY IBIS.

Family PLATALEIDAE Spoon-bills

- [43.] *Ajaia ajaja* (Linnaeus). ROSEATE SPOON-BILL.

Order ANSERIFORMES Goose-like Birds

Suborder ANSERES Ducks, Geese and Swans

Family ANATIDAE Ducks, Geese and Swans

44. *Mergus americanus* Cassin. AMERICAN MERGANSER.
 45. *Mergus serrator* Linnaeus. RED-BREADED MERGANSER.
 46. *Lophodytes cucullatus* (Linnaeus). HOODED MERGANSER.
 47. *Anas platyrhynchos* Linnaeus. MALLARD.
 [48.] *Anas rubripes* Brewster. BLACK DUCK.
 49. *Chaulelasmus streperus* (Linnaeus). GADWALL.

- [50.] *Mareca penelope* (Linnaeus). EUROPEAN WIDGEON.
 51. *Mareca americana* (Gmelin). BALDPATE.
 [52.] *Nettion crecca* (Linnaeus). EUROPEAN TEAL.
 53. *Nettion carolinense* (Gmelin). GREEN-WINGED TEAL.
 54. *Querquedula discors* (Linnaeus). BLUE-WINGED TEAL.
 55. *Querquedula cyanoptera* (Vieillot). CINNAMON TEAL.
 56. *Spatula clypeata* (Linnaeus). SHOVELLER.
 57. *Dafila acuta* (Linnaeus). PINTAIL.
 58. *Aix sponsa* (Linnaeus). WOOD DUCK.
 59. *Marila americana* (Eyton). REDHEAD.
 60. *Marila valisineria* (Wilson). CANVAS-BACK.
 61. *Marila marila* (Linnaeus). GREATER SCAUP DUCK.
 62. *Marila affinis* (Eyton). LESSER SCAUP DUCK.
 63. *Marila collaris* (Donovan). RING-NECKED DUCK.
 64. *Clangula clangula americana* Bonaparte. AMERICAN GOLDEN-EYE.
 65. *Clangula islandica* (Gmelin). BARROW GOLDEN-EYE.
 66. *Charitonetta albeola* (Linnaeus). BUFFLE-HEAD.
 67. *Harelda hyemalis* (Linnaeus). OLD-SQUAW.
 68. *Histrionicus histrionicus* (Linnaeus). HARLEQUIN DUCK.
 [69.] *Somateria spectabilis* (Linnaeus). KING EIDER.
 70. *Oidemia americana* Swainson. AMERICAN SCOTER.
 71. *Oidemia deglandi* Bonaparte. WHITE-WINGED SCOTER.
 72. *Oidemia perspicillata* (Linnaeus). SURF SCOTER.
 73. *Erisimatura jamaicensis* (Gmelin). RUDDY DUCK.
 74. *Chen hyperboreus hyperboreus* (Pallas). LESSER SNOW GOOSE.
 75. *Chen rossi* (Cassin). ROSS SNOW GOOSE.
 76. *Anser albifrons gambeli* Hartlaub. WHITE-FRONTED GOOSE.
 77. *Branta canadensis canadensis* (Linnaeus). CANADA GOOSE.
 78. *Branta canadensis occidentalis* (Baird). WHITE-CHEEKED GOOSE.
 79. *Branta canadensis hutchinsi* (Richardson). HUTCHINS GOOSE.
 80. *Branta canadensis minima* Ridgway. CACKLING GOOSE.
 81. *Branta nigricans* (Lawrence). BLACK BRANT.
 [82.] *Philacte canagica* (Sevastianoff). EMPEROR GOOSE.
 83. *Dendrocygna bicolor* (Vieillot). FULVOUS TREE-DUCK.
 84. *Olor columbianus* (Ord). WHISTLING SWAN.
 [85.] *Olor buccinator* (Richardson). TRUMPETER SWAN.

Order FALCONIFORMES Falcon-like Birds

Suborder CATHARTAE American Vultures

Family CATHARTIDAE American Vultures

86. *Gymnogyps californianus* (Shaw). CALIFORNIA CONDOR.
 87. *Cathartes aura septentrionalis* Wied. TURKEY VULTURE.

Suborder ACCIPITRES Falcons, Hawks, etc.

Family FALCONIDAE Falcons, etc.

88. *Falco mexicanus* Schlegel. PRAIRIE FALCON.

89. *Falco peregrinus anatum* Bonaparte. DUCK HAWK.
 90. *Falco columbarius columbarius* Linnaeus. NORTHERN PIGEON HAWK.
 [91.] *Falco columbarius suckleyi* Ridgway. BLACK PIGEON HAWK.
 [92.] *Falco columbarius richardsoni* Ridgway. RICHARDSON PIGEON HAWK.
 93. *Falco sparverius sparverius* Linnaeus. AMERICAN SPARROW HAWK.
 Family **BUTEONIDAE** Kites, Hawks, Eagles, etc.
94. *Elanus leucurus* (Vieillot). WHITE-TAILED KITE.
 95. *Circus hudsonius* (Linnaeus). MARSH HAWK.
 96. *Accipiter velox* (Wilson). SHARP-SHINNED HAWK.
 97. *Accipiter cooperi* (Bonaparte). COOPER HAWK.
 98. *Astur atricapillus striatulus* Ridgway. WESTERN GOSHAWK.
 [99.] *Parabuteo unicinctus harrisi* (Audubon). HARRIS HAWK.
 100. *Buteo borealis calurus* Cassin. WESTERN RED-TAILED HAWK.
 101. *Buteo lineatus elegans* Cassin. RED-BELLIED HAWK.
 [102.] *Buteo abbreviatus* Cabanis. ZONE-TAILED HAWK.
 103. *Buteo swainsoni* Bonaparte. SWAINSON HAWK.
 104. *Archibuteo lagopus sancti-johannis* (Gmelin). AMERICAN ROUGH-LEGGED HAWK.
 105. *Archibuteo ferrugineus* (Lichtenstein). FERRUGINOUS ROUGH-LEGGED HAWK.
 106. *Aquila chrysaetos* (Linnaeus). GOLDEN EAGLE.
 107. *Haliaeetus leucocephalus leucocephalus* (Linnaeus). SOUTHERN BALD EAGLE.
 108. *Pandion haliaetus carolinensis* (Gmelin). OSPREY.

Order GALLIFORMES Fowl-like Birds

Suborder GALLI Fowls, etc.

Family PHASIANIDAE Quail, Grouse, etc.

109. *Oreortyx picta picta* (Douglas). PAINTED QUAIL.
 110. *Oreortyx picta plumifera* (Gould). MOUNTAIN QUAIL.
 111. *Lophortyx californica californica* (Shaw). CALIFORNIA QUAIL.
 112. *Lophortyx californica vallicola* (Ridgway). VALLEY QUAIL.
 113. *Lophortyx californica catalinensis* Grinnell. CATALINA ISLAND QUAIL.
 114. *Lophortyx gambeli* Gambel. DESERT QUAIL.
 115. *Dendragapus obscurus fuliginosus* (Ridgway). SOOTY GROUSE.
 116. *Dendragapus obscurus sierrae* Chapman. SIERRA GROUSE.
 117. *Bonasa umbellus sabini* (Douglas). OREGON RUFFED GROUSE.
 118. *Pedioecetes phasianellus columbianus* (Ord). COLUMBIAN SHARP-TAILED GROUSE.
 119. *Centrocercus urophasianus* (Bonaparte). SAGE-HEN.

Order GRUIFORMES Crane-like Birds

Family **RALLIDAE** Rails, Coots, etc.

- 120. *Rallus obsoletus* Ridgway. CALIFORNIA CLAPPER RAIL.
- 121. *Rallus levipes* Bangs. LIGHT-FOOTED RAIL.
- 122. *Rallus virginianus* Linnaeus. VIRGINIA RAIL.
- 123. *Porzana carolina* (Linnaeus). SORA RAIL.
- 124. *Coturnicops noveboracensis* (Gmelin). YELLOW RAIL.
- 125. *Creciscus coturniculus* (Ridgway). CALIFORNIA BLACK RAIL.
- 126. *Gallinula galeata* (Lichtenstein). FLORIDA GALLINULE.
- 127. *Fulica americana* Gmelin. COOT.

Family **GRUIDAE** Cranes

- 128. *Grus canadensis* (Linnaeus). LITTLE BROWN CRANE.
- 129. *Grus mexicana* (Müller). SANDHILL CRANE.

Order CHARADRIIFORMES Plover-like Birds

Suborder LIMICOLAE Shore-birds

Family **CHARADRIIDAE** Snipe, Plover, etc.

- 130. *Phalaropus fulicarius* (Linnaeus). RED PHALAROPE.
- 131. *Lobipes lobatus* (Linnaeus). NORTHERN PHALAROPE.
- 132. *Steganopus tricolor* Vieillot. WILSON PHALAROPE.
- 133. *Recurvirostra americana* Gmelin. AVOCET.
- 134. *Himantopus mexicanus* (Müller). BLACK-NECKED STILT.
- 135. *Gallinago delicata* (Ord). WILSON SNIPE.
- 136. *Macrorhamphus griseus scolopaceus* (Say). LONG-BILLED DOW-ITCHER.
- 137. *Tringa canutus* Linnaeus. KNOT.
- 138. *Pisobia maculata* (Vieillot). PECTORAL SANDPIPER.
- 139. *Pisobia bairdi* (Coues). BAIRD SANDPIPER.
- 140. *Pisobia minutilla* (Vieillot). LEAST SANDPIPER.
- 141. *Pelidna alpina sakhalina* (Vieillot). RED-BACKED SANDPIPER.
- 142. *Ereunetes mauri* Cabanis. WESTERN SANDPIPER.
- 143. *Calidris leucophaea* (Pallas). SANDERLING.
- 144. *Limosa fedoa* (Linnaeus). MARBLED GODWIT.
- 145. *Totanus melanoleucus* (Gmelin). GREATER YELLOW-LEGS.
- 146. *Totanus flavipes* (Gmelin). LESSER YELLOW-LEGS.
- 147. *Helodromas solitarius cinnamomeus* (Brewster). WESTERN SOLITARY SANDPIPER.
- 148. *Catoptrophorus semipalmatus inornatus* (Brewster). WESTERN WILLET.
- 149. *Heteractitis incanus* (Gmelin). WANDERING TATTLER.
- [150.] *Bartramia longicauda* (Bechstein). UPLAND PLOVER.
- 151. *Actitis macularius* (Linnaeus). SPOTTED SANDPIPER.
- 152. *Numenius americanus* Bechstein. LONG-BILLED CURLEW.
- 153. *Numenius hudsonicus* Latham. HUDSONIAN CURLEW.

154. *Squatarola squatarola* (Linnaeus). BLACK-BELLIED PLOVER.
 155. *Charadrius dominicus dominicus* Müller. AMERICAN GOLDEN PLOVER.
 156. *Oxyechus vociferus vociferus* (Linnaeus). KILLDEER.
 157. *Aegialitis semipalmata* (Bonaparte). SEMIPALMATED PLOVER.
 158. *Aegialitis nivosa* Cassin. SNOWY PLOVER.
 [159.] *Ochthodromus wilsonius wilsonius* (Ord). WILSON PLOVER.
 160. *Podasocys montanus* (Townsend). MOUNTAIN PLOVER.
 161. *Aphriza virgata* (Gmelin). SURF-BIRD.
 162. *Arenaria interpres morinella* (Linnaeus). RUDDY TURNSTONE.
 163. *Arenaria melanocephala* (Vigors). BLACK TURNSTONE.
 [164.] *Haematopus frazari* Brewster. FRAZAR OYSTER-CATCHER.
 165. *Haematopus bachmani* Audubon. BLACK OYSTER-CATCHER.

Suborder LARI Gulls, Terns, etc.

Family LARIDAE Gulls, Terns, etc.

- [166.] *Megalestris skua* (Brünnich). SKUA.
 167. *Stercorarius pomarinus* (Temminck). POMARINE JAEGER.
 168. *Stercorarius parasiticus* (Linnaeus). PARASITIC JAEGER.
 169. *Stercorarius longicaudus* Vieillot. LONG-TAILED JAEGER.
 170. *Rissa tridactyla pollicaris* Ridgway. PACIFIC KITTIWAKE.
 [171.] *Larus hyperboreus* Gunnerus. GLAUCOUS GULL.
 172. *Larus glaucescens* Naumann. GLAUCOUS-WINGED GULL.
 173. *Larus occidentalis* Audubon. WESTERN GULL.
 174. *Larus argentatus* Pontoppidan. HERRING GULL.
 175. *Larus californicus* Lawrence. CALIFORNIA GULL.
 176. *Larus delawarensis* Ord. RING-BILLED GULL.
 177. *Larus brachyrhynchus* Richardson. SHORT-BILLED GULL.
 178. *Larus heermanni* Cassin. HEERMANN GULL.
 179. *Larus philadelphia* (Ord). BONAPARTE GULL.
 180. *Xema sabini* (Sabine). SABINE GULL.
 181. *Sterna caspia* Pallas. CASPIAN TERN.
 182. *Sterna maxima* Boddaert. ROYAL TERN.
 183. *Sterna elegans* Gambel. ELEGANT TERN.
 184. *Sterna forsteri* Nuttall. FORSTER TERN.
 185. *Sterna hirundo* Linnaeus. COMMON TERN.
 186. *Sterna paradisaea* Brünnich. ARCTIC TERN.
 187. *Sterna antillarum* (Lesson). LEAST TERN.
 188. *Hydrochelidon nigra surinamensis* (Gmelin). BLACK TERN.

Family ALCIDAE Auks, etc.

189. *Lunda cirrhata* (Pallas). TUFTED PUFFIN.
 190. *Cerorhinca monocerata* (Pallas). RHINOCEROS AUKLET.
 191. *Ptychoramphus aleuticus* (Pallas). CASSIN AUKLET.
 [192.] *Phaleris psittacula* (Pallas). PAROQUET AUKLET.
 193. *Synthliboramphus antiquus* (Gmelin). ANCIENT MURRELET.
 194. *Brachyramphus marmoratus* (Gmelin). MARBLED MURRELET.

195. *Brachyramphus hypoleucus* Xantus. XANTUS MURRELET.
 196. *Cepphus columba* Pallas. PIGEON GUILLEMOT.
 197. *Uria troille californica* (Bryant). CALIFORNIA MURRE.

Suborder COLUMBAE Pigeons, Doves, etc.

Family COLUMBIDAE Pigeons and Doves.

198. *Columba fasciata fasciata* Say. BAND-TAILED PIGEON.
 199. *Zenaidura macroura marginella* (Woodhouse). WESTERN MOURNING DOVE.
 200. *Melopelia asiatica trudeaui* (Audubon). WHITE-WINGED DOVE.
 201. *Chaemepelia passerina pallescens* Baird. MEXICAN GROUND DOVE.

Order CUCULIFORMES Cuckoo-like Birds

Suborder CUCULI Cuckoos, etc.

Family CUCULIDAE Cuckoos, etc.

202. *Geococcyx californianus* (Lesson). ROAD-RUNNER.
 203. *Coccyzus americanus occidentalis* Ridgway. CALIFORNIA CUCKOO.

Order CORACIIFORMES Roller-like Birds

Suborder CORACIAE Roller-like Birds

Family ALCEDINIDAE Kingfishers

204. *Ceryle alcyon* (Linnaeus). BELTED KINGFISHER.

Suborder STRIGES Owls

Family STRIGIDAE Owls

205. *Aluco pratincola* (Bonaparte). BARN OWL.
 206. *Asio wilsonianus* (Lesson). LONG-EARED OWL.
 207. *Asio flammeus* (Pontoppidan). SHORT-EARED OWL.
 208. *Strix occidentalis occidentalis* (Xantus). SOUTHERN SPOTTED OWL.
 209. *Strix occidentalis caurina* (Merriam). NORTHERN SPOTTED OWL.
 [210.] *Scotiaptex nebulosa nebulosa* (Forster). GREAT GRAY OWL.
 211. *Cryptoglaux acadica acadica* (Gmelin). SAW-WHET OWL.
 212. *Otus asio bendirei* (Brewster). CALIFORNIA SCREECH OWL.
 213. *Otus asio gilmani* Swarth. SAHUARO SCREECH OWL.
 214. *Otus flammeolus* (Kaup). FLAMMULATED SCREECH OWL.
 215. *Bubo virginianus pallescens* Stone. WESTERN HORNED OWL.
 216. *Bubo virginianus pacificus* Cassin. PACIFIC HORNED OWL.
 217. *Bubo virginianus saturatus* Ridgway. DUSKY HORNED OWL.
 [218.] *Nyctea nyctea* (Linnaeus). SNOWY OWL.
 219. *Speotyto cunicularia hypogaea* (Bonaparte). BURROWING OWL.
 220. *Glaucidium gnoma pinicola* Nelson. ROCKY MOUNTAIN PIGMY OWL.
 221. *Glaucidium gnoma californicum* Sclater. CALIFORNIA PIGMY OWL.
 222. *Micropallas whitneyi* (Cooper). ELF OWL.

Suborder CAPRIMULGI Goatsuckers, etc.

Family **CAPRIMULGIDAE** Goatsuckers, etc.

223. *Phalaenoptilus nuttalli nuttalli* (Audubon). NUTTALL POOR-WILL.
 224. *Phalaenoptilus nuttalli nitidus* Brewster. FROSTED POOR-WILL.
 225. *Phalaenoptilus nuttalli californicus* Ridgway. DUSKY POOR-WILL.
 226. *Chordeiles virginianus hesperis* Grinnell. PACIFIC NIGHTHAWK.
 [227.] *Chordeiles virginianus henryi* Cassin. WESTERN NIGHTHAWK.
 228. *Chordeiles acutipennis texensis* Lawrence. TEXAS NIGHTHAWK.

Suborder MICROPODII Hummingbirds and Swifts

Family **TROCHILIDAE** Hummingbirds

229. *Stellula calliope* (Gould). CALLIOPE HUMMINGBIRD.
 230. *Selasphorus aleni* Henshaw. ALLEN HUMMINGBIRD.
 231. *Selasphorus rufus* (Gmelin). RUFIOUS HUMMINGBIRD.
 232. *Calypte anna* (Lesson). ANNA HUMMINGBIRD.
 233. *Calypte costae* (Bourcier). COSTA HUMMINGBIRD.
 234. *Archilochus alexandri* (Bourcier & Mulsant). BLACK-CHINNED HUMMINGBIRD.

Family **MICROPODIDAE** Swifts

235. *Aëronautes melanoleucus* (Baird). WHITE-THROATED SWIFT.
 236. *Cypseloides niger borealis* (Kennerly). NORTHERN BLACK SWIFT.
 237. *Chaetura vauxi* (Townsend). VAUX SWIFT.

Suborder PICI Woodpeckers, etc.

Family **PICIDAE** Woodpeckers

238. *Dryobates villosus harrisi* (Audubon). HARRIS WOODPECKER.
 239. *Dryobates villosus hyloscopus* Cabanis & Heine. CABANIS WOODPECKER.
 240. *Dryobates villosus orius* Oberholser. MODOC WOODPECKER.
 241. *Dryobates pubescens gairdneri* (Audubon). GAIRDNER WOODPECKER.
 242. *Dryobates pubescens turati* (Malherbe). WILLOW WOODPECKER.
 243. *Dryobates pubescens homorus* Cabanis & Heine. BATCHELDER WOODPECKER.
 244. *Dryobates scalaris cactophilus* Oberholser. CACTUS WOODPECKER.
 245. *Dryobates nuttalli* (Gambel). NUTTALL WOODPECKER.
 246. *Xenopicus albolarvatus albolarvatus* (Cassin). NORTHERN WHITE-HEADED WOODPECKER.
 247. *Xenopicus albolarvatus gravirostris* Grinnell. SAN BERNARDINO WHITE-HEADED WOODPECKER.
 248. *Picoides arcticus* (Swainson). ARCTIC THREE-TOED WOODPECKER.
 249. *Sphyrapicus varius ruber* (Gmelin). NORTHERN RED-BREASTED SAP-SUCKER.
 250. *Sphyrapicus varius daggetti* Grinnell. SIERRA RED-BREASTED SAP-SUCKER.

251. *Sphyrapicus varius nuchalis* Baird. RED-NAPED SAPSUCKER.
 252. *Sphyrapicus thyroideus* (Cassin). WILLIAMSON SAPSUCKER.
 253. *Phloeotomus pileatus abieticola* (Bangs). NORTHERN PILEATED
 WOODPECKER.
 254. *Melanerpes formicivorus bairdi* Ridgway. CALIFORNIA WOOD-
 PECKER.
 255. *Asyndesmus lewisi* Riley. LEWIS WOODPECKER.
 256. *Centurus uropygialis* Baird. GILA WOODPECKER.
 [257.] *Colaptes auratus luteus* Bangs. NORTHERN FLICKER.
 258. *Colaptes cafer collaris* Vigors. RED-SHAFTED FLICKER.
 259. *Colaptes cafer saturator* Ridgway. NORTHWESTERN FLICKER.
 260. *Colaptes chrysoides mearnsi* Ridgway. MEARNS GILDED FLICKER.

Order PASSERIFORMES Sparrow-like Birds

Suborder ELEUTHERODACTYLI Perching Birds

Superfamily CLAMATORES Songless Perching Birds

Family TYRANNIDAE Tyrant Flycatchers

261. *Pyrocephalus rubinus mexicanus* Scater. VERMILION FLYCATCHER.
 262. *Nuttallornis borealis* (Swainson). OLIVE-SIDED FLYCATCHER.
 263. *Myiochanes richardsoni richardsoni* (Swainson). WESTERN WOOD
 PEWEE.
 264. *Empidonax trailli trailli* (Audubon). TRAILL FLYCATCHER.
 265. *Empidonax hammondi* (Xantus). HAMMOND FLYCATCHER.
 266. *Empidonax wrighti* Baird. WRIGHT FLYCATCHER.
 267. *Empidonax griseus* Brewster. GRAY FLYCATCHER.
 268. *Empidonax difficilis difficilis* Baird. WESTERN FLYCATCHER.
 [269.] *Sayornis phoebe* (Latham). EASTERN PHOEBE.
 270. *Sayornis nigricans* (Swainson). BLACK PHOEBE.
 271. *Sayornis sayus* (Bonaparte). SAY PHOEBE.
 272. *Myiarchus cinerascens cinerascens* (Lawrence). ASH-THROATED
 FLYCATCHER.
 [273.] *Tyrannus tyrannus* (Linnaeus). EASTERN KINGBIRD.
 274. *Tyrannus vociferans* Swainson. CASSIN KINGBIRD.
 275. *Tyrannus verticalis* Say. WESTERN KINGBIRD.

Superfamily OSCINES Singing Birds

Family ALAUDIDAE Larks

276. *Otocoris alpestris actia* Oberholser. CALIFORNIA HORNED LARK.
 277. *Otocoris alpestris rubea* Henshaw. RUDDY HORNED LARK.
 278. *Otocoris alpestris strigata* Henshaw. STREAKED HORNED LARK.
 279. *Otocoris alpestris merrilli* Dwight. DUSKY HORNED LARK.
 [280.] *Otocoris alpestris leucolaema* (Coues). DESERT HORNED LARK.
 281. *Otocoris alpestris ammophila* Oberholser. MOHAVE HORNED
 LARK.
 282. *Otocoris alpestris leucansiptila* Oberholser. YUMA HORNED
 LARK.

283. *Otocoris alpestris insularis* Townsend. ISLAND HORNED LARK.

Family **MOTACILLIDAE** Wagtails

284. *Anthus rubescens* (Tunstall). AMERICAN PIPIT.

Family **TURDIDAE** Thrushes

285. *Hylocichla guttata guttata* (Pallas). ALASKA HERMIT THRUSH.
 286. *Hylocichla guttata nanus* (Audubon). DWARF HERMIT THRUSH.
 287. *Hylocichla guttata slevini* Grinnell. MONTEREY HERMIT THRUSH.
 288. *Hylocichla guttata sequoiensis* (Belding). SIERRA HERMIT THRUSH.
 289. *Hylocichla ustulata ustulata* (Nuttall). RUSSET-BACKED THRUSH.
 290. *Hylocichla ustulata swainsoni* (Tschudi). OLIVE-BACKED THRUSH.
 291. *Planesticus migratorius propinquus* (Ridgway). WESTERN ROBIN.
 292. *Ixoreus naevius naevius* (Gmelin). VARIED THRUSH.
 293. *Ixoreus naevius meruloides* (Swainson). NORTHERN VARIED THRUSH.
 294. *Sialia mexicana occidentalis* Townsend. WESTERN BLUEBIRD.
 295. *Sialia mexicana anabelae* Anthony. SAN PEDRO BLUEBIRD.
 296. *Sialia currucoides* (Bechstein). MOUNTAIN BLUEBIRD.
 297. *Myadestes townsendi* (Audubon). TOWNSEND SOLITAIRE.

Family **MIMIDAE** Mockingbirds

- [298.] *Toxostoma bendirei* (Coues). BENDIRE THRASHER.
 299. *Toxostoma redivivum redivivum* (Gambel). CALIFORNIA THRASHER.
 300. *Toxostoma redivivum pasadenense* (Grinnell). PASADENA THRASHER.
 301. *Toxostoma lecontei lecontei* Lawrence. LECONTE THRASHER.
 302. *Toxostoma crissale* Henry. CRISSAL THRASHER.
 [303.] *Dumetella carolinensis* (Linnaeus). CATBIRD.
 304. *Mimus polyglottos leucopterus* (Vigors). WESTERN MOCKINGBIRD.

305. *Oreoscoptes montanus* (Townsend). SAGE THRASHER.

Family **CINCLIDAE** Dippers

306. *Cinclus mexicanus unicolor* Bonaparte. AMERICAN DIPPER.

Family **TROGLODYTIDAE** Wrens

307. *Telmatodytes palustris paludicola* (Baird). TULE WREN.
 308. *Telmatodytes palustris plesius* (Oberholser). WESTERN MARSH WREN.
 309. *Heleodytes brunneicapillus couesi* (Sharpe). NORTHERN CACTUS WREN.
 310. *Heleodytes brunneicapillus bryanti* Anthony. BRYANT CACTUS WREN.
 311. *Thryomanes bewicki eremophilus* Oberholser. DESERT WREN.
 312. *Thryomanes bewicki charienturus* Oberholser. SAN DIEGO WREN.
 313. *Thryomanes bewicki catalinae* Grinnell. CATALINA ISLAND WREN.
 314. *Thryomanes bewicki leucophrys* (Anthony). SAN CLEMENTE WREN.

315. *Thryomanes bewicki nesophilus* Oberholser. SANTA CRUZ ISLAND WREN.
316. *Thryomanes bewicki drymoecus* Oberholser. SAN JOAQUIN WREN.
317. *Thryomanes bewicki spilurus* (Vigors). VIGORS WREN.
318. *Thryomanes bewicki marinensis* Grinnell. NICASIO WREN.
319. *Troglodytes aëdon parkmani* Audubon. WESTERN HOUSE WREN.
320. *Nannus hiemalis pacificus* (Baird). WESTERN WINTER WREN.
321. *Salpinctes obsoletus obsoletus* (Say). COMMON ROCK WREN.
322. *Salpinctes obsoletus pulverius* Grinnell. SAN NICOLAS ROCK WREN.
323. *Catherpes mexicanus conspersus* Ridgway. NEVADA CANYON WREN.
324. *Catherpes mexicanus punctulatus* Ridgway. DOTTED CANYON WREN.

Family **CHAMAEIDAE** Wren-tits

325. *Chamaea fasciata henshawi* Ridgway. PALLID WREN-TIT.
326. *Chamaea fasciata fasciata* (Gambel). INTERMEDIATE WREN-TIT.
327. *Chamaea fasciata rufula* Ridgway. RUDDY WREN-TIT.
328. *Chamaea fasciata phaea* Osgood. NORTHERN WREN-TIT.

Family **SYLVIIDAE** Old-World Warblers, Kinglets, etc.

329. *Regulus satrapa olivaceus* Baird. WESTERN GOLDEN-CROWNED KINGLET.
330. *Regulus calendula cineraceus* Grinnell. ASHY KINGLET.
331. *Regulus calendula grinnelli* Palmer. SITKA KINGLET.
332. *Polioptila caerulea obscura* Ridgway. WESTERN GNATCATCHER.
333. *Polioptila plumbea* Baird. PLUMBEOUS GNATCATCHER.
334. *Polioptila californica* Brewster. BLACK-TAILED GNATCATCHER.

Family **HIRUNDINIDAE** Swallows

335. *Progne subis hesperia* Brewster. WESTERN MARTIN.
336. *Petrochelidon lunifrons lunifrons* (Say). CLIFF SWALLOW.
337. *Stelgidopteryx serripennis* (Audubon). ROUGH-WINGED SWALLOW.
338. *Riparia riparia* (Linnaeus). BANK SWALLOW.
339. *Hirundo erythrogaster* Boddaert. BARN SWALLOW.
340. *Iridoprocne bicolor* (Vieillot). TREE SWALLOW.
341. *Tachycineta thalassina lepida* Mearns. NORTHERN VIOLET-GREEN SWALLOW.

Family **AMPELIDAE** Waxwings

342. *Bombycilla garrula* (Linnaeus). BOHEMIAN WAXWING.
343. *Bombycilla cedrorum* Vieillot. CEDAR WAXWING.

Family **PTILOGONATIDAE** Silky Flycatchers

344. *Phainopepla nitens* (Swainson). PHAINOPEPLA.

Family **LANIIDAE** Shrikes

345. *Lanius borealis invictus* Grinnell. NORTHWESTERN SHRIKE.

346. *Lanius ludovicianus excubitorides* Swainson. WHITE-RUMPED SHRIKE.
 347. *Lanius ludovicianus gambeli* Ridgway. CALIFORNIA SHRIKE.
 348. *Lanius ludovicianus anthonyi* Mearns. ISLAND SHRIKE.

Family **VIREONIDAE** Vireos

- [349.] *Vireosylva flavoviridis* Cassin. YELLOW-GREEN VIREO.
 350. *Vireosylva gilva swainsoni* (Baird). WESTERN WARBLING VIREO.
 351. *Lanivireo solitarius cassini* (Xantus). CASSIN VIREO.
 [352.] *Lanivireo solitarius plumbeus* (Coues). PLUMBEOUS VIREO.
 353. *Vireo huttoni huttoni* Cassin. HUTTON VIREO.
 354. *Vireo vicinior* Coues. GRAY VIREO.
 355. *Vireo belli pusillus* Coues. CALIFORNIA LEAST VIREO.
 356. *Vireo belli arizonae* Ridgway. ARIZONA LEAST VIREO.

Family **SITTIDAE** Nuthatches

357. *Sitta carolinensis aculeata* Cassin. SLENDER-BILLED NUTHATCH.
 358. *Sitta canadensis* Linnaeus. RED-BREASTED NUTHATCH.
 359. *Sitta pygmaea pygmaea* Vigors. PIGMY NUTHATCH.
 360. *Sitta pygmaea leuconucha* Anthony. WHITE-NAPE NUTHATCH.

Family **PARIDAE** Titmice, etc.

361. *Baeolophus inornatus inornatus* (Gambel). PLAIN TITMOUSE.
 362. *Baeolophus inornatus murinus* Ridgway. SAN DIEGO TITMOUSE.
 363. *Baeolophus inornatus griseus* (Ridgway). GRAY TITMOUSE.
 364. *Penthestes atricapillus occidentalis* (Baird). OREGON CHICKADEE.
 365. *Penthestes gambeli gambeli* (Ridgway). MOUNTAIN CHICKADEE.
 366. *Penthestes gambeli baileyae* Grinnell. BAILEY CHICKADEE.
 367. *Penthestes rufescens rufescens* (Townsend). CHESTNUT-SIDED CHICKADEE.
 368. *Penthestes rufescens neglectus* (Ridgway). MARIN CHICKADEE.
 369. *Penthestes rufescens barlowi* (Grinnell). SANTA CRUZ CHICKADEE.
 370. *Auriparus flaviceps flaviceps* (Sundevall). VERDIN.
 371. *Psaltriparus minimus minimus* (Townsend). COAST BUSH-TIT.
 372. *Psaltriparus minimus californicus* Ridgway. CALIFORNIA BUSH-TIT.
 373. *Psaltriparus plumbeus* Baird. LEAD-COLORED BUSH-TIT.

Family **CORVIDAE** Crows, Jays, etc.

374. *Corvus corax sinuatus* Wagler. WESTERN RAVEN.
 375. *Corvus brachyrhynchos hesperis* Ridgway. WESTERN CROW.
 376. *Nucifraga columbiana* (Wilson). CLARKE NUTCRACKER.
 377. *Cyanocephalus cyanocephalus* (Wied). PINYON JAY.
 378. *Pica pica hudsonia* (Sabine). BLACK-BILLED MAGPIE.
 379. *Pica nuttalli* (Audubon). YELLOW-BILLED MAGPIE.
 380. *Aphelocoma californica californica* (Vigors). CALIFORNIA JAY.
 381. *Aphelocoma insularis* Henshaw. SANTA CRUZ ISLAND JAY.
 382. *Aphelocoma woodhousei* (Baird). WOODHOUSE JAY.

383. *Cyanocitta stelleri frontalis* (Ridgway). BLUE-FRONTED JAY.
 384. *Cyanocitta stelleri carbonacea* Grinnell. COAST JAY.
 385. *Perisoreus obscurus obscurus* Ridgway. OREGON JAY.
 386. *Perisoreus obscurus griseus* Ridgway. GRAY JAY.

Family **CERTHIIDAE** Creepers

387. *Certhia familiaris zelotes* Osgood. SIERRA CREEPER.
 388. *Certhia familiaris occidentalis* Ridgway. CALIFORNIA CREEPER.

Family **MNIOTILTIDAE** Wood Warblers

- [389.] *Mniotilta varia* (Linnaeus). BLACK-AND-WHITE WARBLER.
 [390.] *Vermivora peregrina* (Wilson). TENNESSEE WARBLER.
 391. *Vermivora celata celata* (Say). ORANGE-CROWNED WARBLER.
 392. *Vermivora celata lutescens* (Ridgway). LUTESCENT WARBLER.
 393. *Vermivora celata sordida* (Townsend). DUSKY WARBLER.
 394. *Vermivora rubricapilla gutturalis* (Ridgway). CALAVERAS WARBLER.
 395. *Vermivora luciae* (Cooper). LUCY WARBLER.
 396. *Dendroica aestiva sonora* Brewster. SONORA YELLOW WARBLER.
 397. *Dendroica aestiva brewsteri* Grinnell. CALIFORNIA YELLOW WARBLER.
 398. *Dendroica aestiva rubiginosa* (Pallas). ALASKA YELLOW WARBLER.
 [399.] *Dendroica magnolia* (Wilson). MAGNOLIA WARBLER.
 [400.] *Dendroica caerulescens caerulescens* (Gmelin). BLACK-THROATED BLUE WARBLER.
 401. *Dendroica coronata hooveri* McGregor. ALASKA MYRTLE WARBLER.
 402. *Dendroica auduboni auduboni* (Townsend). AUDUBON WARBLER.
 403. *Dendroica nigrescens* (Townsend). BLACK-THROATED GRAY WARBLER.
 404. *Dendroica townsendi* (Townsend). TOWNSEND WARBLER.
 [405.] *Dendroica virens* (Gmelin). BLACK-THROATED GREEN WARBLER.
 406. *Dendroica occidentalis* (Townsend). HERMIT WARBLER.
 [407.] *Dendroica pensylvanica* (Linnaeus). CHESTNUT-SIDED WARBLER.
 [408.] *Dendroica palmarum palmarum* (Gmelin). PALM WARBLER.
 409. *Oporornis tolmiei* (Townsend). TOLMIE WARBLER.
 [410.] *Seiurus aurocapillus* (Linnaeus). OVEN-BIRD.
 [411.] *Seiurus motacilla* (Vieillot). LOUISIANA WATER-THRUSH.
 [412.] *Seiurus noveboracensis notabilis* Ridgway. ALASKA WATER-THRUSH.
 413. *Geothlypis trichas occidentalis* Brewster. WESTERN YELLOW-THROAT.
 414. *Geothlypis trichas scirpicola* Grinnell. TULE YELLOWTHROAT.
 415. *Geothlypis trichas sinuosa* Grinnell. SALT MARSH YELLOW-THROAT.

416. *Icteria virens longicauda* Lawrence. LONG-TAILED CHAT.
 417. *Wilsonia pusilla pileolata* (Pallas). ALASKA PILEOLATED WARBLER.
 418. *Wilsonia pusilla chryseola* Ridgway. GOLDEN PILEOLATED WARBLER.

[419.] *Setophaga ruticilla* (Linnaeus). AMERICAN REDSTART.

Family **TANGARIDAE** Tanagers

420. *Piranga rubra cooperi* Ridgway. COOPER Tanager.
 421. *Piranga ludoviciana* (Wilson). WESTERN Tanager.

Family **ICTERIDAE** Troupials, etc.

422. *Molothrus ater artemisiae* Grinnell. NEVADA COWBIRD.
 423. *Molothrus ater obscurus* (Gmelin). DWARF COWBIRD.
 [424.] *Euphagus carolinus* (Müller). RUSTY BLACKBIRD.
 425. *Euphagus cyanocephalus* (Wagler). BREWER BLACKBIRD.
 426. *Icterus cucullatus nelsoni* Ridgway. ARIZONA HOODED ORIOLE.
 427. *Icterus parisorum* Bonaparte. SCOTT ORIOLE.
 428. *Icterus bullocki* (Swainson). BULLOCK ORIOLE.
 429. *Agelaius tricolor* (Audubon). TRICOLORED RED-WING.
 430. *Agelaius phoeniceus californicus* Nelson. BI-COLORED RED-WING.
 431. *Agelaius phoeniceus neutralis* Ridgway. SAN DIEGO RED-WING.
 432. *Agelaius phoeniceus caurinus* Ridgway. NORTHWESTERN RED-WING.
 433. *Agelaius phoeniceus sonoriensis* Ridgway. SONORA RED-WING.
 434. *Xanthocephalus xanthocephalus* (Bonaparte). YELLOW-HEADED BLACKBIRD.
 435. *Sturnella neglecta* Audubon. WESTERN MEADOWLARK.
 [436.] *Dolichonyx oryzivorus* (Linnaeus). BOBOLINK.

Family **FRINGILLIDAE** Finches

437. *Hesperiphona vespertina montana* Ridgway. WESTERN EVENING GROSBEAK.
 438. *Loxia curvirostra minor* (Brehm). AMERICAN CROSSBILL.
 439. *Loxia curvirostra bendirei* Ridgway. SIERRA CROSSBILL.
 440. *Pinicola enucleator californica* Price. CALIFORNIA PINE GROSBEAK.
 441. *Leucosticte tephrocotis tephrocotis* Swainson. GRAY-CROWNED ROSY FINCH.
 442. *Acanthis linaria linaria* (Linnaeus). COMMON REDPOLL.
 443. *Spinus pinus pinus* (Wilson). PINE SISKIN.
 444. *Astragalinus tristis salicamans* (Grinnell). WILLOW GOLDFINCH.
 445. *Astragalinus psaltria hesperophilus* Oberholser. GREEN-BACKED GOLDFINCH.
 446. *Astragalinus lawrencei* (Cassin). LAWRENCE GOLDFINCH.
 447. *Carpodacus cassinii* Baird. CASSIN PURPLE FINCH.
 448. *Carpodacus purpureus californicus* Baird. CALIFORNIA PURPLE FINCH.
 449. *Carpodacus mexicanus frontalis* (Say). CALIFORNIA LINNET.
 450. *Carpodacus mexicanus clementis* Mearns. SAN CLEMENTE LINNET.

- [451.] *Calcarius lapponicus alascensis* Ridgway. ALASKA LONGSPUR.
 452. *Calamospiza melanocorys* Stejneger. LARK BUNTING.
 453. *Chondestes grammacus strigatus* (Swainson). WESTERN LARK SPARROW.
 454. *Poocetes gramineus confinis* Baird. WESTERN VESPER SPARROW.
 455. *Poocetes gramineus affinis* Miller. OREGON VESPER SPARROW.
 [456.] *Passerculus sandwichensis sandwichensis* (Gmelin). ALEUTIAN SAVANNAH SPARROW.
 457. *Passerculus sandwichensis alaudinus* Bonaparte. WESTERN SAVANNAH SPARROW.
 458. *Passerculus sandwichensis nevadensis* Grinnell. NEVADA SAVANNAH SPARROW.
 459. *Passerculus sandwichensis bryanti* Ridgway. BRYANT MARSH SPARROW.
 460. *Passerculus beldingi* Ridgway. BELDING MARSH SPARROW.
 461. *Passerculus rostratus rostratus* (Cassin). LARGE-BILLED MARSH SPARROW.
 462. *Ammodramus savannarum bimaculatus* (Swainson). WESTERN GRASSHOPPER SPARROW.
 [463.] *Passerherbulus caudacutus nelsoni* (Allen). NELSON SPARROW.
 464. *Aimophila ruficeps ruficeps* (Cassin). RUFOUS-CROWNED SPARROW.
 465. *Amphispiza bilineata deserticola* Ridgway. DESERT BLACK-THROATED SPARROW.
 466. *Amphispiza belli* Cassin. BELL SPARROW.
 467. *Amphispiza nevadensis canescens* Grinnell. CALIFORNIA SAGE SPARROW.
 468. *Amphispiza nevadensis nevadensis* Ridgway. NEVADA SAGE SPARROW.
 469. *Junco hyemalis hyemalis* (Linnaeus). SLATE-COLORED JUNCO.
 470. *Junco oreganus oreganus* (Townsend). OREGON JUNCO.
 471. *Junco oreganus thurberi* Anthony. SIERRA JUNCO.
 472. *Junco oreganus pinosus* Loomis. POINT PINOS JUNCO.
 [473.] *Junco phaeonotus caniceps* (Woodhouse). GRAY-HEADED JUNCO.
 [474.] *Spizella monticola ochracea* Brewster. WESTERN TREE SPARROW.
 475. *Spizella passerina arizonae* Coues. WESTERN CHIPPING SPARROW.
 476. *Spizella atrogularis* (Cabanis). BLACK-CHINNED SPARROW.
 477. *Spizella breweri* Cassin. BREWER SPARROW.
 [478.] *Zonotrichia querula* (Nuttall). HARRIS SPARROW.
 479. *Zonotrichia coronata* (Pallas). GOLDEN-CROWNED SPARROW.
 480. *Zonotrichia leucophrys leucophrys* (Forster). WHITE-CROWNED SPARROW.
 481. *Zonotrichia leucophrys gambeli* (Nuttall). INTERMEDIATE SPARROW.
 482. *Zonotrichia leucophrys nuttalli* Ridgway. NUTTALL SPARROW.
 [483.] *Zonotrichia albicollis* (Gmelin). WHITE-THROATED SPARROW.
 [484.] *Melospiza melodia caurina* Ridgway. YAKUTAT SONG SPARROW.

485. *Melospiza melodia rufina* Bonaparte. RUSTY SONG SPARROW.
 486. *Melospiza melodia phaea* Fisher. OREGON SONG SPARROW.
 487. *Melospiza melodia cleonensis* McGregor. MENDOCINO SONG SPARROW.
 488. *Melospiza melodia gouldi* Baird. MARIN SONG SPARROW.
 489. *Melospiza melodia samuelis* Baird. SAMUELS SONG SPARROW.
 490. *Melospiza melodia pusillula* Ridgway. SALT MARSH SONG SPARROW.
 491. *Melospiza melodia santaecrucis* Grinnell. SANTA CRUZ SONG SPARROW.
 492. *Melospiza melodia cooperi* Ridgway. SAN DIEGO SONG SPARROW.
 493. *Melospiza melodia graminea* Townsend. SANTA BARBARA SONG SPARROW.
 494. *Melospiza melodia clementae* Townsend. SAN CLEMENTE SONG SPARROW.
 495. *Melospiza melodia heermanni* Baird. HEERMANN SONG SPARROW.
 496. *Melospiza melodia mailliardi* Grinnell. MODESTO SONG SPARROW.
 497. *Melospiza melodia maxillaris* Grinnell. SUISUN SONG SPARROW.
 498. *Melospiza melodia merrilli* Brewster. MERRILL SONG SPARROW.
 499. *Melospiza melodia fallax* (Baird). ROCKY MOUNTAIN SONG SPARROW.
 500. *Melospiza melodia fisherella* Oberholser. MODOC SONG SPARROW.
 501. *Melospiza melodia saltonis* Grinnell. SALTON SINK SONG SPARROW.
 502. *Melospiza lincolni lincolni* Audubon. LINCOLN SPARROW.
 503. *Melospiza lincolni gracilis* (Kittlitz). FORBUSH SPARROW.
 [504.] *Passerella iliaca iliaca* (Merrem). FOX-COLORED SPARROW.
 505. *Passerella iliaca unalaschcensis* (Gmelin). SHUMAGIN FOX SPARROW.
 506. *Passerella iliaca insularis* Ridgway. KADIAK FOX SPARROW.
 507. *Passerella iliaca sinuosa* Grinnell. VALDEZ FOX SPARROW.
 508. *Passerella iliaca meruloides* (Vigors). YAKUTAT FOX SPARROW.
 509. *Passerella iliaca townsendi* (Audubon). TOWNSEND FOX SPARROW.
 510. *Passerella iliaca fuliginosa* Ridgway. SOOTY FOX SPARROW.
 511. *Passerella iliaca altivagans* Riley. ALBERTA FOX SPARROW.
 512. *Passerella iliaca schistacea* Baird. SLATE-COLORED FOX SPARROW.
 513. *Passerella iliaca megarhyncha* Baird. THICK-BILLED FOX SPARROW.
 514. *Passerella iliaca stephensi* Anthony. STEPHENS FOX SPARROW.
 515. *Oreospiza chlorura* (Audubon). GREEN-TAILED TOWHEE.
 [516.] *Pipilo maculatus oregonus* Bell. OREGON TOWHEE.
 517. *Pipilo maculatus falcifer* McGregor. SAN FRANCISCO TOWHEE.
 518. *Pipilo maculatus megalonyx* Baird. SPURRED TOWHEE.
 519. *Pipilo maculatus curtatus* Grinnell. NEVADA TOWHEE.
 520. *Pipilo maculatus clementae* Grinnell. SAN CLEMENTE TOWHEE.
 521. *Pipilo aberti* Baird. ABERT TOWHEE.
 522. *Pipilo crissalis crissalis* (Vigors). CALIFORNIA BROWN TOWHEE.
 523. *Pipilo crissalis carolae* McGregor. NORTHERN BROWN TOWHEE.
 524. *Pipilo crissalis senicula* Anthony. ANTHONY BROWN TOWHEE.

525. *Passerina amoena* (Say). LAZULI BUNTING.
526. *Guiraca caerulea salicarius* Grinnell. CALIFORNIA BLUE GROSBK.
527. *Guiraca caerulea lazula* (Lesson). ARIZONA BLUE GROSBK.
- [528.] *Zamelodia ludoviciana* (Linnaeus). ROSE-BREASTED GROSBK.
529. *Zamelodia melanocephala capitalis* (Baird). PACIFIC BLACK-
HEADED GROSBK.
530. *Zamelodia melanocephala melanocephala* (Swainson). ROCKY
MOUNTAIN BLACK-HEADED GROSBK.

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