First Descriptions of North American Birds

THE FIRST DESCRIPTIONS OF NORTH AMERICAN BIRDS

BY O. A. STEVENS

Many a biologist has longed for the opportunity to examine the fauna and flora of some land never before visited by a naturalist. Few have had that opportunity, and usually the information on a new country has accumulated over a period of time, through uncertain channels, much of it poorly collected and poorly preserved. Here in America we particularly wonder what birds the first Europeans noted and what they thought of them. The Baltimore Oriole and the Yellow Warbler were the first ones mentioned by Maximilian when he landed at Boston, but that was in 1833, more than 300 years after the arrival of the first explorers. One can hardly doubt that these two species were among the first to be observed by others. Christy (Auk, 50:275-283) found the Sandhill Crane, Flicker, Blue Jay, Bluebird, Red-winged Blackbird and Towhee in what he believed to be the earliest written account of American birds (in 1613 or 1614). This writer presumably had not visited America but may have talked with someone who had been there and must have seen specimens which had been brought back. Still more recently, Mrs. Allen has described some paintings (Auk, 53:17-21) made about 1585, which included a Tropic Bird, Brown Pelican, Booby, Flamingo, Noddy Tern, and Flicker.

It is a simple matter to tabulate from the A. O. U. Check-List the various authors and the dates at which their names were given to the birds, but this yields a number of instances of common birds described later than 1900. In fact, if we list all subspecies, we have a very considerable number of recently discovered birds. This naturally suggests the advisability of limiting the discussion to the larger unit and
disregarding the subspecies. The early writers had no conception of our present subspecies, though they often described American birds as varieties of Old World species, and not infrequently they described two or more "species" from what we now know as different plumages of the same bird. In justice to recent authors it should be mentioned that some forms which had long been regarded as distinct species have been reduced to subspecies, and that a great many of the current subspecies have at some time been given specific rank.

In many cases the Check-List names are not the oldest. The Lark Bunting is known by a name given by Stejneger in 1885, but it was first described by Townsend in 1839 and known under his name until it was changed because of the still earlier use of Townsend's specific name for a different bird. Our common Crow passed for many years under the name given it by Audubon in 1834. Then an earlier name used in 1822 by a German writer, Brehm, was found applicable. Wilson had fully described the Crow in 1811 but considered it the same as the Carrion Crow of Europe. Shall we say that he was the first to describe the American bird? Certainly such a species could not fail to attract attention, but no earlier name appears in the usual literature excepting one by Bartram in 1790. Bartram's names were not consistently binominal, and all of them are rejected by most ornithologists. Few of the later descriptions were based upon his.

The use of the earliest name for the species as a whole results in a few complications. In a number of cases, such as those of the Raven, Magpie, Brown Creeper, and Crossbill, the American birds are considered races of a species which also has European races. In such cases the "species" was first discovered and described in the Old World. It might seem that we should credit the first author who described the American form as different from that of the Old World, but that would again involve the matter of the subspecies and in any case we can hardly disregard an author who gave a good description of the American bird without recognizing such difference.

The first races of many of our birds were described from Mexico, Central America, the West Indies, or South America. Quite a number of the tropical birds, or at least certain of their representatives, reach the southern borders of the United States. I find no less than 105 species of which the first form to be described does not occur within our limits. Some of the birds of eastern Asia occur more or less regularly on the Alaskan coast. In the present study I have omitted those which have been introduced from other regions or which are of only accidental occurrence in North America north of Mexico. There is of
course no sharp natural definition of the limits thus set up. Another
difficulty, and one which has been very puzzling in the matter of
nomenclature, is the fact that many of the early descriptions were
based upon more than one still earlier description and frequently in-
cluded more than one species.

The following list of the number of species described by each
author, I have compiled by using the earliest identifiable name as
given by Ridgway ("Birds of North and Middle America") for the
oldest form of each species of the A. O. U. Check-List (4th ed.), ex-
cluding introduced and accidental species. Since Ridgway had not
-treated a number of families, including the bitterns, ducks, and hawks,
I could not deal with these in a quite similar manner. Peters' "Check-
List of Birds of the World" (Vols. 1 and 2) has been especially use-
ful on those groups, and the historical chapter of Coues ("Key to
North American Birds") has been helpful in many ways. So many
difficulties and problems of treatment are involved that the list must
be considered as only approximately correct.

**Species of North American Birds Described by Different Authors**

<table>
<thead>
<tr>
<th>Author</th>
<th>Species Described</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linnaeus, 10th ed. (1758)</td>
<td></td>
</tr>
<tr>
<td>Occurring also in Europe</td>
<td>65</td>
</tr>
<tr>
<td>Based upon Catesby</td>
<td>59</td>
</tr>
<tr>
<td>Based upon Edwards</td>
<td>18</td>
</tr>
<tr>
<td>From other sources</td>
<td>5</td>
</tr>
<tr>
<td>Total in 10th ed.</td>
<td>147</td>
</tr>
<tr>
<td>In 12th ed. (1766)</td>
<td>41</td>
</tr>
<tr>
<td>Fauna Svecica (1761)</td>
<td>2</td>
</tr>
<tr>
<td>Total Linnaeus</td>
<td>190</td>
</tr>
<tr>
<td>Gmelin (Syst. Nat., 1788-89)</td>
<td>71</td>
</tr>
<tr>
<td>Other authors before Wilson—</td>
<td></td>
</tr>
<tr>
<td>Vieillot</td>
<td>27</td>
</tr>
<tr>
<td>Boddaert</td>
<td>12</td>
</tr>
<tr>
<td>Pallas</td>
<td>17</td>
</tr>
<tr>
<td>Forster</td>
<td>10</td>
</tr>
<tr>
<td>Latham</td>
<td>9</td>
</tr>
<tr>
<td>Twenty-six others</td>
<td>48</td>
</tr>
<tr>
<td>Total before Wilson</td>
<td>384</td>
</tr>
</tbody>
</table>

| Wilson                  | 29                |
| Audubon                 | 24 53             |
| Authors since Wilson—   |                   |
| Swainson                | 28                |
| Ridgway                 | 15                |
| Townsend                | 15                |
| Baird                   | 14                |
| Bonaparte               | 13                |
| Cassin                  | 11                |
The Linnaean species which occur also in Europe are chiefly water birds which have a wide distribution, such as Horned Grebe, Mallard, Gadwall, Pintail, Shoveller, Common Tern, etc. Of the land birds we have the Snowy Owl, Redpoll, Lapland Longspur, and Snow Bunting of general circumpolar distribution. The Red-spotted Bluethroat and Wheatear occur in Alaska and the Greenland subspecies of Wheatear throughout northern Canada. The Bank Swallow stands practically alone as one of the smaller land birds which is widely distributed in both eastern and western hemispheres. The remaining land birds of this group, represented by American subspecies, are: Hawk Owl, Bohemian Waxwing, Raven, Magpie, Brown Creeper, Yellow Wagtail, and Pine Grosbeak. Other species which were described later are also represented in both regions.

Linnaeus had no first hand information on American birds but collated in his great “Systema” material from all sources. Foremost among these were Catesby’s two fine volumes, “The Natural History of Carolina”, published about 1730. From these Linnaeus secured descriptions of the following species:

- Pied-billed Grebe
- Little Blue Heron
- Green Heron
- Yellow-crowned Night Heron
- White Ibis
- Flamingo
- Canada Goose
- Wood Duck
- Hooded Merganser
- Swallow-tailed Kite
- Bald Eagle
- Pigeon Hawk
- Sparrow Hawk
- Heath Hen

- Flicker
- Pileated Woodpecker
- Red-bellied Woodpecker
- Red-headed Woodpecker
- Ivory-billed Woodpecker
- Eastern Kingbird
- Crested Flycatcher
- Horned Lark
- Blue Jay
- Mockingbird
- Brown Thrasher
- Bluebird
- Golden-crowned Kinglet
- Cedar Waxwing
First Descriptions of North American Birds

Bob-white
Whooping Crane
Killdeer
Laughing Gull
Noddy Tern
Black Skimmer
White-crowned Pigeon
Mourning Dove
Passenger Pigeon
Ground Dove
Carolina Paroquet
Yellow-billed Cuckoo
Screech Owl
Chimney Swift
Ruby-throated Hummingbird
Belted Kingfisher

Red-eyed Vireo
Parula Warbler
Yellow-breasted Chat
Redstart
Bobolink
Eastern Meadowlark
Baltimore Oriole
Purple Grackle
Summer Tanager
Cardinal
Blue Grosbeak
Painted Bunting
Goldfinch
Red-eyed Towhee
Slate-colored Junco

The next most important source of material for Linnaeus was Edwards' "History of Uncommon Birds", 1741-51. From this Linnaeus secured some northern species and various others as follows:

Great Blue Heron
Blue Goose
Black-bellied Tree-duck
Hudsonian Spruce Grouse
Sharp-tailed Grouse
Little Brown Crane
Sora
Golden Plover
Marbled Godwit
Catbird
Robin
Red-wing
Orchard Oriole
Indigo Bunting

Five names from other sources were: Red-billed Tropic-bird from Osbeck; Wood Ibis and Roseate Spoonbill from Marcgrave; Turkey Vulture and Wild Turkey from sources not indicated. I do not know why Linnaeus omitted a considerable number of Catesby's birds, but eight years later in the twelfth edition of the Systema, the following were added:

Blue-winged Teal
Yellow-bellied Sapsucker
Hairy Woodpecker
Downy Woodpecker
Tufted Titmouse
Catbird
Robin
Red-wing
Orchard Oriole
Indigo Bunting

Similarly from Edwards he added:

Brown Pelican
Marsh Hawk
Ruffed Grouse
Mexican Jacana
Spotted Sandpiper
Ruby-crowned Kinglet
Blue-gray Gnatcatcher

Golden-winged Warbler
Blue-winged Warbler
Myrtle Warbler
Chestnut-sided Warbler
Oven-bird
Maryland Yellow-throat
An extensive French publication by Brisson had appeared in the meantime and from this Linnaeus secured:

- Masked Duck
- Semi-palmated Sandpiper
- Sooty Tern
- Derby Flycatcher
- Eastern Wood Pewee
- Canada Jay
- Black-capped Chickadee

- Red-breasted Nuthatch
- Loggerhead Shrike
- Black and White Warbler
- Yellow-throated Warbler
- Canada Warbler
- Scarlet Tanager
- Rose-breasted Grosbeak

The Water-Turkey and White-faced Glossy Ibis were added from Marcgrave, the West Indian Grebe and Purple Gallinule from sources not indicated. These were the last of the species described by Linnaeus, but he had included about one-fourth of the North American birds now known to us.

In 1788-89 a thirteenth edition of the “Systema” by Gmelin increased the number by nearly 50 per cent. The Osprey, Chuck-will’s Widow, and Purple Finch were still from Catesby; the Willow Ptarmigan, Worm-eating Warbler, and White-throated Sparrow from Edwards; the Nighthawk, Phoebe, White-breasted Nuthatch, and five others from Brisson. The Carolina Wren, Palm Warbler, and three others were from Buffon, a few from Steller and Hernandez, but the largest addition was from Latham who had published his “General Synopsis of Birds”, 1781-1802, without using binominal names. Species from this work were:

- Sooty Shearwater
- White Pelican
- Least Bittern
- Surf-bird
- Bristle-thighed Curlew
- Wandering Tattler
- Great Horned Owl
- Merrill’s Pauraque
- Scissor-tailed Flycatcher
- Steller’s Jay
- Varied Thrush

- Barrow’s Golden-eye
- Red-tailed Hawk
- Coot
- Wood Thrush
- Vesper
- Dickcissel
- White-winged Crossbill
- Savannah Sparrow
- Sharp-tailed Sparrow
- Vesper Sparrow
- Song Sparrow

Two of Latham’s birds, LeConte’s Sparrow and Swamp Sparrow, which were described in his “Index Zoologicus”, 1790, still stand in the Check-List under his name. Some half-dozen others which were incompletely described or confused with other species received their present names from later authors.

Another source of new birds for Gmelin was Pennant’s “Arctic Zoology”, 1784-87. From this came:
Fork-tailed Petrel  Willet
Baldpate  Lesser Yellow-legs
Green-winged Teal  Dowitcher
Labrador Duck  Avocet
Red-shouldered Hawk  Marbled Murrelet
Rock Ptarmigan  Ancient Murrelet
Yellow Rail  Whiskered Auklet
Black Oyster-catcher  Rufous Hummingbird
Woodcock

A publication in 1783 by Boddaert, Dutch doctor and naturalist, included a number of new North American birds. For the most part these were based upon earlier descriptions by Daubenton, who was at one time associated with Buffon. Many of these were apparently drawn from specimens brought by early French explorers in the West Indies, Louisiana, and adjacent regions. The species of Boddaert were:

Holboell's Grebe  Alaska Chickadee
Northern Clapper Rail  White-eyed Vireo
Royal Tern  Prothonatary Warbler
Texas Nighthawk  Water-thrush
Vermilion Flycatcher  Hooded Warbler
Barn Swallow  Cowbird

The Alaska Chickadee is regarded as a race of the Old World, Siberian Tit.

Previous to Gmelin's edition of the "Systema", J. R. Forster had published in 1771 "A Catalogue of the Animals of Hudson's Bay", a notable list of 302 species of birds but without descriptions. The next year he published some descriptions from the same region which included:

Eskimo Curlew  Black-poll Warbler
Greater Yellow-legs  Tree Sparrow
Great Gray Owl  White-crowned Sparrow
Hudsonian Chickadee

Three others, the Whip-poor-will, Nighthawk, and Northern Shrike, were indicated in his "Catalogue", the first two based upon Catesby's descriptions, the third mistaken for the European Great Grey Shrike.

Pallas, a German zoologist, described from 1769 to 1811 a number of birds which inhabit parts of Alaska as well as Siberia. These were:

Short-tailed Albatross  Paroquet Auklet
Pelagic Cormorant  Crested Auklet
Lesser Snow Goose  Least Auklet
Steller's Eider  Rhinoceros Auklet
Tufted Puffin
Hermit Thrush
Aleutian Rosy Finch
Golden-crowned Sparrow

Vieillot, a French author, published descriptions of a large number of American birds from 1807 to 1819. To some extent these preceded the work of Alexander Wilson, and to a large extent they were unknown or unrecognized at that time. Many of his species were birds from Mexico and South America, northern forms of which were described later. From Vieillot we have:

Leach's Petrel  Red-cockaded Woodpecker
Fulvous Tree-duck  Couch's Kingbird
Cinnamon Teal  Tree Swallow
White-tailed Kite  Rough-winged Swallow
Everglade Kite  Cuban Cliff Swallow
Broad-winged Hawk  House Wren
White-tailed Hawk  Yellow-throated Vireo
Short-tailed Hawk  Warbling Vireo
Aplomado Falcon  Sennett's Warbler
Virginia Rail  Mangrove Warbler
Pectoral Sandpiper  Prairie Warbler
White-rumped Sandpiper  Louisiana Water-thrush
Buff-breasted Sandpiper  Kentucky Warbler
White-eared Hummingbird

Few of the twenty-six writers who described only one or two species each in this period are well known. The Barred Owl was described by William P. C. Barton in a fragmentary work which Coues regarded as the first to be devoted entirely to North American birds. The Ring-necked Duck was described by Donovan from a specimen found in the London markets. The Common Loon and some other water birds, all from Europe, were described by Brünnich. The Snowy Egret was first recognized from Chili by the Italian, Molina. To him is credited also the first race of the Burrowing Owl. A Danish treatise by Pontoppidan gave us the Short Eared Owl, three years before the twelfth edition of Linnaeus' "Systema". The Bittern was described by Montagu in 1813 from England where it was only an accidental visitor.

In Alexander Wilson we meet for the first time a man who lived and worked among the birds which he described. He was not born in America, nor was he born an ornithologist, but his assumption of the study later in his life has helped to give us a clear record of his work and made it purely American. His travels were largely limited to Pennsylvania, Kentucky, and neighboring states, so that for the most
part he discovered new birds in an area where much collecting had been done before. His list of warblers is especially imposing. Of course his greatest work was the description of the habits of the birds, not the discovery of new species. The ones first described by Wilson were:

Canvas-back  Long-billed Marsh Wren
Mississippi Kite  Blue-headed Vireo
Goshawk  Tennessee Warbler
Sharp-shinned Hawk  Nashville Warbler
American Oyster-catcher  Cerulean Warbler
Wilson's Snipe  Bay-breasted Warbler
Wilson's Phalarope  Pine Warbler
Black-billed Cuckoo  Connecticut Warbler
Long-eared Owl  Mourning Warbler
Lewis's Woodpecker  Wilson's Warbler
Acadian Flycatcher  Western Tanager
Crow  Pine Siskin
Fish Crow  Seaside Sparrow
Clark's Nutcracker  Field Sparrow
Winter Wren

Wilson and Audubon were two stars of the first magnitude. Audubon was American born, and certainly he was born an ornithologist with unsurpassed enthusiasm. In the old territory he was able to discover yet a few new birds: Great White Heron, Alder Flycatcher, Carolina Chickadee, Bewick's Wren, Swainson's Warbler, Bachman's Warbler, and Henslow's Sparrow. For most of these he was obliged to penetrate the swamps and remote portions of the eastern states. His journey to Labrador added Lincoln's Sparrow. He longed to visit the country west of the Mississippi River and finally in his late years succeeded in reaching the mouth of the Yellowstone River, now northwestern North Dakota. This trip yielded Nuttall's Poor-will, Sprague's Pipit, Bell's Vireo, and Baird's Sparrow. It was a great disappointment to him that he was not able to describe the birds brought from the West Coast by Townsend and Nuttall, so from the far west only the Black-footed Albatross, Western Gull, Yellow-billed Magpie, Townsend's Solitaire, Tri-colored Redwing, and Green-tailed Towhee bear his names. The following species, then, were described by Audubon:

Black-footed Albatross  Sprague's Pipit
Great White Heron  Bell's Vireo
King Rail  Swainson's Warbler
Swainson's Hawk  Bachman's Warbler
Western Gull  Western Meadowlark
Nuttall's Poor-will  Tricolored Redwing
A contemporary ornithologist, correspondent and friend of Audubon's, was William Swainson, who had the opportunity of working with the numerous specimens arriving at the British Museum. He had made a trip to Mexico and from specimens collected there described many of our species. Later with John Richardson, he published a work on the animals of northern North America in which several of the northern birds were described. His list of species is:

- American Scoter
- Thick-billed Parrot
- Groove-billed Ani
- Lucifer Hummingbird
- Broad-tailed Hummingbird
- Rivoli's Hummingbird
- Broad-billed Hummingbird
- Ant-eating Woodpecker
- Arctic Three-toed Woodpecker
- Cassin's Kingbird
- Black Phoebe
- Western Wood Pewee
- Violet-green Swallow
- Dipper
- American Scoter
- Thick-billed Parrot
- Groove-billed Ani
- Lucifer Hummingbird
- Broad-tailed Hummingbird
- Rivoli's Hummingbird
- Broad-billed Hummingbird
- Ant-eating Woodpecker
- Arctic Three-toed Woodpecker
- Cassin's Kingbird
- Black Phoebe
- Western Wood Pewee
- Violet-green Swallow
- Dipper

Following Wilson one can hardly overlook mention of George Ord who was Wilson's literary executor and apparently the chief opponent to Audubon in the matter of the Pacific Coast specimens. Ord described the Whistling Swan from the Pacific Coast, Wilson's Plover, Ring-billed Plover, and Bonaparte's Gull from the Atlantic Coast. Audubon received more friendly cooperation from Charles Lucien Bonaparte, who continued Wilson's work and published many other papers. The species described by him were:

- Black Petrel
- White-winged Scoter
- Cooper's Hawk
- Sage Hen
- Stilt Sandpiper
- Zenaida Dove
- Say's Phoebe

- Black Petrel
- White-winged Scoter
- Cooper's Hawk
- Sage Hen
- Stilt Sandpiper
- Zenaida Dove
- Say's Phoebe

The first noteworthy discovery of birds of the Great Plains region fell to Thomas Say in 1819. He was not especially interested in birds
but was an authority on shells, while in insects he was quite without a rival in early American work. The expedition of Major S. H. Long to the Rocky Mountains had many misfortunes. It failed to accomplish much of its plan, yet under repeated difficulties Say was able to make a large contribution to the natural history of that region. The Lark Sparrow was found in Missouri at the start, the Orange-crowned Warbler at the expedition's winter quarters at Engineer Cantonment near the present Omaha, Nebraska. The Dusky Grouse, Band-tailed Pigeon, Arkansas Kingbird, Rock Wren, Lazuli Bunting, and Arkansas Goldfinch were added to the list in Colorado.

A second notable expedition through the same region but continuing to the Pacific Coast, was that of N. J. Wyeth in 1834. Thomas Nuttall was accompanying the group to collect plants and had induced John K. Townsend, a zoologist, to go also. The first day out from their starting point at Independence, Missouri, they secured Harris's Sparrow. This was described by Nuttall six years later, and shortly afterward was discovered and described independently by both Audubon and Maximilian. The common name given it by Audubon has fortunately been retained. On the plains of Nebraska Townsend found the Lark Bunting and Chestnut-collared Longspur; in Wyoming the Mountain Plover and Sage Thrasher. The northern Pacific Coast region yielded a rich harvest, especially of warblers, and the full list of Townsend's species is as follows:

<table>
<thead>
<tr>
<th>Mountain Plover</th>
<th>Black-throated Gray Warbler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Sandpiper</td>
<td>Townsend's Warbler</td>
</tr>
<tr>
<td>Vaux's Swift</td>
<td>Hermit Warbler</td>
</tr>
<tr>
<td>Chestnut-backed Chickadee</td>
<td>Macgillivray's Warbler</td>
</tr>
<tr>
<td>Coast Bush-tit</td>
<td>Lark Bunting</td>
</tr>
<tr>
<td>Sage Thrasher</td>
<td>Oregon Junco</td>
</tr>
<tr>
<td>Russet-backed Thrush</td>
<td>Chestnut-collared Longspur</td>
</tr>
<tr>
<td>Audubon's Warbler</td>
<td></td>
</tr>
</tbody>
</table>

Townsend and Nuttall had the privilege of making the last great exploratory collection of the early days. No doubt others since have worked equally hard and even more industriously in restricted districts, but new areas of so great an extent no longer remained in the United States. Later additions came from various collections and from more intensive study of collections accumulating in the larger museums. The Southwest was little explored and in the furtherance of that as well as collections from all possible sources, S. F. Baird was responsible above all other men. He had the vision of a national museum and was tireless in his efforts to develop it.
Baird narrowly missed being a youthful associate of Audubon. With his brother, W. M. Baird, he began collecting at an early age and when he was but seventeen years old the brothers described the Least Flycatcher and Yellow-bellied Flycatcher, discovered in the well explored State of Pennsylvania. Baird's list of species is:

- Aleutian Tern
- Virginia Warbler
- Spotted Owl
- Grace's Warbler
- Yellow-bellied Flycatcher
- Kirtland's Warbler
- Least Flycatcher
- Rio Grand Yellow-throat
- Wright's Flycatcher
- Abert's Towhee
- Gray Flycatcher
- Sage Sparrow
- San Lucas Robin
- Pink-sided Junco

The name of William Gambel is closely associated with California natural history about the middle of the nineteenth century. The following birds were described by him, either from California or other western states:

- Gambel's Quail
- Mountain Chickadee
- Elegant Tern
- Plain Titmouse
- Nuttall's Woodpecker
- Gambel's Wren-tit
- Ash-throated Flycatcher
- California Thrasher
- Western Flycatcher

Two other ornithologists of that period were J. N. Lawrence and John Cassin. Lawrence described the following, of which the last was another species of the Great Plains region which had previously escaped notice:

- Western Grebe
- LeConte's Thrasher
- Black Brant
- Plumbeous Gnatcatcher
- California Gull
- Texas Sparrow
- White-fronted Dove
- McCown's Longspur
- Xanthus's Hummingbird

Cassin described the following, also from the west, excepting the Philadelphia Vireo which was yet another discovery from Pennsylvania:

- Ross's Goose
- Philadelphia Vireo
- Heerman's Gull
- Lawrence's Goldfinch
- Williamson's Sapsucker
- Rufous-crowned Sparrow
- White-headed Woodpecker
- Black-throated Sparrow
- Black-crested Titmouse
- Bell's Sparrow
- Hutton's Vireo

One of the foremost ornithologists following Lawrence and Cassin was Elliott Coues. His "Key to North American Birds" is encyclopedic, combining scientific and popular accounts to an extent not attempted by anyone else since Audubon. As an army surgeon he accompanied several important expeditions in the western states and
thus, like many others, carried on ornithological studies as a pastime. His new species were not numerous:

- Black-vented Shearwater
- Pink-footed Shearwater
- Ashy Petrel
- Least Petrel
- Black-vented Shearwater
- Bendire’s Thrasher
- Pink-footed Shearwater
- Gray Vireo
- Ashy Petrel
- Large-billed Sparrow
- Least Petrel
- Rufous-winged Sparrow

One other name remains for special comment. Robert Ridgway contributed more than anyone else to a careful study and revision of all previous descriptions. The species and subspecies which he described were numerous and many of them were from tropical America which was then receiving more attention from the North American ornithologists than it had before. In the following list credited to Ridgway, the isolated island forms are conspicuous:

- New Mexican Duck
- Florida Duck
- Guadalupe Caracara
- Sooty Grouse
- Lesser Prairie Chicken
- California Clapper Rail
- Guadalupe Wren
- Belding’s Yellow-throat
- Guadalupe House Finch
- Guadalupe Towhee
- Dusky Seaside Sparrow
- Guadalupe Junco
- Baird’s Junco
- Worthen’s Sparrow
- McKay’s Snow Bunting

There remain about 120 species distributed among nearly sixty authors of which many were European. They were Douglas, Eyton, Godman, Gould, Gosse, Gray, Richardson, Rothschild, Salvin, and Sclater from England; Blasius, Cabanis, Kaup, Naumann, Schlegel, and Wied (Maximilian) from Germany; Boucier, De Lattre, Lafraysne, Malherbe, Milne-Edwards, Pucheran, and Temminck from France; Brandt and Middendorf from Russia; Salvadori from Italy; Sundevall from Finland. In America were: Aiken, Allen, Anthony, Bannister, Brewster, Bryant, Cabot, Cooper, Crouch, Dall, Giraud, Goss, Henry, Henshaw, Howell, Maynard, Mowbry, Nichols, Stevenson, C. H. Townsend, Woodhouse, and Xantus.

I have attempted to give a brief account including the chief known sources and some features of interest in no more space than would be required for details of many of the individual species. A complete account would be impossible on account of lack of information.

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