GREAT INTERNATIONAL FISHERIES EXHIBITION.
LONDON, 1883.

UNITED STATES OF AMERICA.

C.
CATALOGUE
OF THE
AQUATIC AND FISH-EATING BIRDS
EXHIBITED BY THE
UNITED STATES NATIONAL MUSEUM.

BY

ROBERT RIDGWAY,
Curator, Department of Birds, U. S. National Museum.

WASHINGTON:
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PREFATORY NOTE.

The water birds of North America constitute almost exactly one-third of the total bird-fauna of the continent, the number of species and races known at the present time being 313, and of land birds, 611.*

Much the larger proportion of the aquatic species have more or less to do with the subject of the fisheries, for the reason that they are, to a greater or less extent, destructive to fishes or are themselves extensively used for bait, the latter being conspicuously the case at the Newfoundland Banks, where several species of petrels, more especially, on account of its greater abundance, the Greater Shearwater ("Hagdon," or "Old Hag," of the fishermen, Puffinus major), constitute the principal bait in the catching of codfish.

Several Families, or even entire Orders, of water birds are eminently destructive to the "finny tribe," some of them being entirely piscivorous, as the Order Steganopodes (including the pelicans, gannets, cormorants, and allied Families), while certain herons, some ducks (more especially the mergansers), the gulls and terns, loons or divers, grebes, and auks feed principally, if not entirely, upon fishes. In fact, with the exception of the "shore birds" (Order Limicola, including the snipes, sandpipers, plovers, and allied forms), "marsh birds" (Paludicola, or rail and crane tribes), and the herbivorous Anatidae (swans, geese, and river ducks), all water birds may be said to be piscivorous to a greater or less degree.

Not water birds alone, however, claim attention as fish destroyers, several "land birds" being conspicuously noted for their piscatorial instincts. As examples, may be briefly mentioned the kingfishers (of which there are two North American species) and the fish hawk, or osprey; while even a Passerine bird, the American water ouzel, or dipper (Cinclus mexicanus), is said to work considerable havoc to the spawn of the trout and other fishes inhabiting the mountain districts of Western North America.†

* Of water birds there are 286 species and 27 geographical races, or subspecies; of land birds, 497 species and 145 races.
† Since these species cannot properly be included among the water birds, a list of the specimens exhibited is given herewith:

AMERICAN WATER OUZEL, or DIPPER, Cinclus mexicanus, Sw._* No. 53340. Adult, source of American River, California, November 19, 1867; H. G. Parker.
BELTED KINGFISHER, Ceryle alegon (L.).—* a. No. 77263, 3 ad., Cook County, Illinois, April 21, 1870; Greene Smith. * b. No. 80673, Gainesville, Fla.; G. Shoemaker.
TEXAN KINGFISHER, Ceryle americana cubanisi (Tsch.).—*a. No. 29330, 3 ad., Western [3]
The following list of North American water birds is complete up to date. The numbers correspond strictly with those of the latest "Smithsonian" catalogue (Bulletin of the United States National Museum, No. 21), and the nomenclature is essentially the same, a few changes being found necessary in the light of more recent investigations, while several species subsequently added to the fauna have been interpolated in the proper places. The range of each species is indicated in general terms, followed by a list of the specimens exhibited.

An asterisk prefixed to the number of a specimen indicates that the specimen in question is a duplicate and may be exchanged.

Order HERODIONES.—The Altricial Waders.

Family ARDEIDÆ.—The Heron Tribe.


486*. Ardea wardi Ridgw. WARD'S HERON. Southwestern Florida (vicinity of Oyster Bay).

a. No. 77946. ♂ ad. Hernando County, Florida, March 30, 1879; J. W. Milner.†

487. Ardea herodias Linn. GREAT BLUE HERON. [487.] Whole of temperate North America, Middle America, and West Indies; Galapagos; Venezuela.

b. No. 84578. ♀ juv. Wabash County, Illinois, September 26, 1870; R. Ridgway.

[488.] Ardea cinerea Linn. COMMON EUROPEAN HERON. Europe and other parts of the Old World; accidental in Greenland.

489. Herodias egretta (Gmel.). AMERICAN EGRET. [486, 486a.] Whole of America, except colder regions.


†The name of the collector of the specimen is given, whenever known, in preference to that of the donor, though of course the two are often identical.
490. *Garzetta candidissima* (Gmel.). **Snowy Heron.** [485.] Whole of tropical and warm-temperate America.


491. *Dichromanassa rufa* (Bodd.). **Reddish Egret; Peale's Egret.** [482, 483.] Southern United States, north to Southern Illinois, south to Yucatan, Guatemala, Mazatlan, and Cape Saint Lucas.


492. *Hydranassa tricolor ludoviciana* (Wils.). **Louisiana Heron.** [484.] Southern States; north regularly to Carolinas, casually to New Jersey, Illinois, and Indiana; Mexico, Cuba, and Jamaica.


b. No. 78240. Juv. Tampa, Florida, June 28, 1879; Capt. R. H. Pratt. (See also Group B of mounted birds.)

c. No. 31982. juv., trans., pl. Gainesville, Florida; J. Bell. (See also Group B of mounted birds.)

493. *Florida caerulea* (Linn.). **Little Blue Heron.** [490.] Southern United States east of Rocky Mountains, north, more or less regularly, to Massachusetts, Illinois, Kansas, etc.; south to Guiana and Colombia; whole of West Indies.


c. No. 31982. juv., trans., pl. Gainesville, Florida; J. Bell. (See also Group B of mounted birds.)

494. *Butorides virescens* (Linn.). **Green Heron.** [493.] Whole of temperate North America, Middle America, and West Indies; Northern South America.

a. No. 88174. Ad. Stamford, Connecticut; Dr. R. W. Shufeldt, U. S. A.


495. *Nycticorax griseus naevius* (Bodd.). **Black-crowned Night Heron.** [495.] America in general, except colder regions.


496. Nyctherodius violaceus (Linn.). **White-crowned Night Heron.** [496.] Southern States, breeding north to the Carolinas and Southern Illinois and Indiana; Colorado. Not recorded from Pacific coast north of Cape Saint Lucas; south to Western Ecuador and Amazonia.


497. Botaurus lentiginosus (Montag.). **American Bittern.** [492.] All of temperate North America; south to Guatemala, Cuba and Jamaica; occasional in Europe.

a. No. 65897. Juv. Long Coteau River, Dakota, September 8, 1873; Dr. E. Cones, U. S. A.

(See also Group A of mounted birds.)

498. Ardeta exilis (Gmel.). **Least Bittern.** [491.] Whole of temperate North America, West Indies, Middle America, and Northern South America to Brazil.

(See Group B of mounted birds.)

**Family CICONIIDÆ.—The Stork Tribe.**

499. Mycteria americana Linn. **Jabiru.** Tropical America, north to Southern Texas.

500. Tantalus loculatus Linn. **Wood Ibis.** [497.] Whole of tropical and warm-temperate America, except most of West Indies; Cuba.


**Family IBIDIDÆ.—The Ibises.**

501. Eudocimus albus (Linn.). **White Ibis.** [499.] Southern States; north, more or less regularly, to Southern Illinois, Pennsylvania, Connecticut, etc.; Utah. Not recorded from Pacific coast north of Cape Saint Lucas. South to Brazil and West Indies.


502. Eudocimus ruber (Linn.). **Scarlet Ibis.** [498.] Tropical America, chiefly on the Atlantic side; accidental (?) in Louisiana and Southern Texas.

(See Group A of mounted birds.)
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503. Plegadis falcinellus (Linn.). Glossy Ibis. [500.] Warmer parts of the Old World and portions of Eastern North America, including West Indies.

504. Plegadis guarauna (Linn.). White-faced Glossy Ibis. [500a.] Tropical and subtropical America, north to Texas, Utah, Nevada, and Oregon.
  a. No. 79829. ♂ ad. Washoe Lake, Nevada, June 3, 1877; H. W. Henshaw.
(See also Group A of mounted birds.)

Family PLATALEIDÆ.—The Spoonbills.

(See Group B of mounted birds.)

Order LIMICOLÆ.—The Shore-Birds.

Family HÆMATOPODIDÆ.—The Oyster-catchers.


  a. No. 79831. ♂ ad. Santa Cruz, California, June 4, 1875; H. W. Henshaw.

Family STREPSILIDÆ.—The Turnstones.

509. Strepsilas interpres Linn. Turnstone. [515.] Sea-coasts of nearly all parts of the world.
  b. No. 88769. ♂ juv. Point Barrow, Alaska, July 29, 1882; M. Smith.
510. *Strepsilas melanocephala* Vig. **Black Turnstone.**

[516.] Pacific coast of North America, south to California.


511. *Aphriza virgata* (Gmel.). **Surf Bird.** [511.] Pacific coast of America, from Alaska to Chili; Sandwich Islands.


Family **CHARADRIIDÆ.—The Plovers.**

[512.] *Vanellus cristatus* Meyer. **Lapwing.** Europe and other parts of the Old World; accidental in Greenland (and Alaska?).

513. *Squatarola helvetica* (Linn.). **Black-bellied Plover.**

[510.] Nearly cosmopolitan, but chiefly the northern hemisphere, breeding far northward.

a. No. 532. ⊀ ad. Summer, Eastern United States; Prof. S. F. Baird.
b. No. 88239. Ad. Winter, Stamford, Connecticut; Dr. R. W. Shufeldt, U. S. A.


*a. No. 88771. ♀ ad. Point Barrow, Alaska, June 12, 1832; J. Murdoch.*

[515.] *Charadrius dominicus fulvus* (Gmel.). **Pacific Golden Plover.** Eastern Asia, Pacific islands, and coast of Alaska.


516. *Oxyechus vociferus* (Linn.). **Kildeer.** [504.] Temperate North America in general, migrating south to Colombia, West Indies, and Bermudas; accidental in British Islands.

*a. No. 88240. Ad. Dr. R. W. Shufeldt, U. S. A.*
b. No. 67087. Juv. Three Buttes, Montana, August 10, 1874; Dr. E. Coues, U. S. A.
c. No. 80107. Pullus. Fort Whipple, Arizona, August 10, 1869; Dr. E. Palmer.

a. No. 88241. \* ad. Cayuga Lake, New York, May 25, 1872; Dr. R. W. Shufeldt, U. S. A.

* b. No. 58387. Juv. Fort Macon, North Carolina, September 2, 1866; Dr. E. Cones, U. S. A.

c. No. 20874. Pullus. Fort George, Hudson’s Bay Territory, July 10, 1860; C. Drexler.

518. *Egialites hiaticula* (Linn.). *Ringed Plover.* Palearctic region and portions of Eastern Arctic America, including Greenland.

a. No. 76133. \* ad. Head of Cumberland Gulf, June 27, 1878; L. Kumlien.


519. *Egialites curonicus* (Gmel.). *Little Ringed Plover.* Palearctic region; accidental in California and Alaska (?)...


a. No. 76753. \* ad. Cape May, New Jersey; Dr. A. L. Heermann.


521. *Egialites alexandrinus nivosus* (Cass.). *Snowy Plover.* [509.] Western America, north to California and Utah, south to Chili; Yucatan; Cuba (?)...

* a. No. 72732. \* ad. Santa Barbara, California, July 8, 1875; H. W. Henshaw.

* b. No. 72715. \* ad. Santa Barbara, California, July 4, 1875; H. W. Henshaw.

* c. No. 78190. Juv. Santa Cruz, California; W. A. Cooper.


522. *Ochthodromus wilsonius* (Ord.). *Wilson’s Plover.* [506.] Atlantic coast of United States, south to West Indies and Brazil; Pacific coast of Middle America, north to Lower California.


* b. No. 57928. \* ad. Fort Macon, North Carolina, June 10, 1869; Dr. E. Cones, U. S. A.


* a. No. 67679. \* ad. Frenchman's River, Dakota, July 4, 1874; Dr. E. Cones, U. S. A.


c. No. 67674. Pullus. Frenchman's River, Dakota, July 9, 1874; Dr. E. Cones, U. S. A.
Family SCOLOPACIDÆ.—The Snipe Tribe.

[521.] *Scolopax rusticola* Linn. EUROPEAN WOODCOCK. Palæarctic region; occasional in Eastern North America (several records).


*b.* No. 84626. ♂ ad. District of Columbia; Dr. E. Coues.

526. *Gallinago media* (Leach). ENGLISH SNIPE. Palæarctic region, straggling to Greenland and the Bermudas.

526a. *Gallinago media wilsoni* (Temm.). WILSON’S SNIPE. [523.] Whole of North America, south in winter to Panama and West Indies.

*a.* No. 79745. ♂ ad. Long Valley, California, June 22, 1877; H. W. Henshaw.

*b.* No. 88246. Ad. Dr. R. W. Shufeldt, U. S. A.


527a. *Macrorhamphus griseus scolopaceus* (Say). RED-BELLIED SNIPE; GREATER GRAY-BACK. [525.] Western North America, including Mississippi Valley, north to Alaska, and “barren grounds” of arctic districts; occasional on Atlantic coast.

*a.* No. 70250. ♂ ad. Saint Michael’s, Alaska; L. M. Turner.

*b.* No. 65568. ♂ juv. Souris River, Dakota, August 10, 1873; Dr. E. Cones, U. S. A.

*c.* No. 76756. Cape May, May 10, 1848; D. G. Eliot.

*d.* No. 65569. ♂ juv. Souris River, Dakota, October 1, 1873; Dr. E. Cones, U. S. A.

528. *Micropalama himantopus* (Bonap.). STILT SANDPIPER. [536.] Eastern North America, breeding far northward; Middle America, West Indies, and greater part of South America in winter.

*a.* No. 69917. ♂ ad. Laramie, Wyoming; Dr. C. G. Newberry.

*b.* No. 58309. ♂ San Mateo, Tehuantepec, February 24, 1869; Prof. F. Sumichrast.

*c.* No. 67691. Juv. Chief Mountain, August 16, 1874; Dr. E. Cones, U. S. A.
529. Tringa canutus Linn. KNOT; ROBIN SNIPEx. [526.] Sea-
coasts and borders of larger inland waters nearly
throughout the world, but chiefly northern hemi-
spheres, and breeding in arctic regions.
   b. No. 84632. ♀ ad. Cambridge, Massachusetts, May, 1871; W.
      Brewster.

530. Arquatella maritima (Brünn.). PURPLE SANDPIPER.
   [528.] Northeastern North America; south in winter to coast
   coast of New England and Great Lakes; Palæarctic
   region.
   a. No. 76163. ♀ ad. Gulf of Cumberland, 1873; L. Kumlien.
   c. No. 76153. ♀ juv. Arctic Island, Cumberland Gulf, September 13,
      1879; L. Kumlien.

531. Arquatella couesi Ridgw. ALEUTIAN SANDPIPER. Aleu-
tian Islands and coast of Alaska, south in winter to
British Columbia.
   *b. No. 46169. Ad., winter dress. Sitka, Alaska, October, 1866; F.
      Bischoff.

532. Arquatella ptilocnemis Cones. PRYBILOV SANDPIPER.
      Prybilotv (or Seal) Islands, Alaska.

[533.] Actodromas acuminata (Horsf.). SHARP-TAILED SAND-
PIPER. Eastern Asia and Western Alaska; south
in winter to Australia, etc.

534. Actodromas maculata (Vieill.). PECTORAL SANDPIPER.
   [531.] America in general, breeding in arctic re-
   gions.
   *a. No. 88856. ♂ ad. Point Barrow, Alaska, July 1, 1882; M. Smith.
   *b. No. 67703. Ad. Three Buttes, Montana, August 11, 1874; Dr. E.
      Cones, U. S. A.
   *c. No. 18839. Juv. Moose Factory, Hudson's Bay Territory, Septem-
      ber 8, 1860; C. Drexler.

535. Actodromas cooperi (Baird). COOPER'S SANDPIPER. [527.]
      Long Island, New York. (Only one specimen known!)

536. Actodromas fusicollis (Vieill.). BONAPARTE'S SAND-
PIPER. [533.] Eastern North America, breeding far
northward; nearly all of South America in migrations.
   a. No. 55594. ♂ ad. Fort Macon, North Carolina, May, 1869; Dr. E.
      Cones, U. S. A.
537. Actodromas bairdi Cones. Baird's Sandpiper. Western America, from arctic regions to Patagonia and Buenos Ayres, but breeding only far northward.

- a. No. 88843. ♂ ad. Point Barrow, Alaska; June 11, 1882; M. Smith.
- b. No. 60709. ♀ juv. Camp Crittenden, Arizona; September 12, 1874; H. W. Henshaw.

538. Actodromas minutilla (Vieill.). Least Sandpiper. [532.] All of America, but breeding only in colder portions of northern continent.

- b. No. 80672. ♀ juv. Fort Tejon, California; J. Xantus.

539. Pelidna alpina (Linn.). European Dunlin. Palæartic region; casual in Greenland and vicinity of Hudson's Bay.


- a. No. 88879. ♂ ad. Point Barrow, Alaska; June 5, 1883; J. Murdoch.
- b. No. 88870. ♀ ad. Point Barrow, Alaska; June 4, 1882; J. Murdoch.
- d. No. 88874. ♂ juv. Point Barrow, Alaska; July 20, 1882; J. Murdoch.

540. Pelidna subarquata (Guld.). Curlew Sandpiper. [529.] Palæartic region; casual in Eastern North America.

541. Ereunetes pusillus (Linn.). Semipalmated Sandpiper. [533.] Northern and Eastern North America, and, in winter, nearly the whole of tropical America; breeding toward arctic coast.

- a. No. 55506. ♂ ad. Fort Macon, North Carolina; May 4, 1869; Dr. E. Cones.
- b. No. 34159. ♀ ad. Republican Fork, Kansas; May 23, 1864; Dr. E. Cones.

541a. Ereunetes pusillus occidentalis (Laur.). Western Sandpiper. Western North America, breeding in Alaska.

- b. No. 40947. Ad., winter. San Pedro, California; Dr. E. Cones, U. S. A.

542. Calidris arenaria (Linn.). Sanderling. [534.] Nearly cosmopolitan during migrations, but breeding only far northward.

- a. No. 40943. Ad. San Pedro, California; November, 1865; Dr. E. Cones, U. S. A.


545. *Limosa hæmastica* (Linn.). Hudsonian Godwit. [548.] Whole of America, but breeding far northward.


547. *Totanus glottis* (Linn.). Green-shank. [538.] Palaearctic region and other portions of the Old World; accidental in Florida.

548. *Totanus melanoleucus* (Gmel.). Greater Yellow-legs; Tell-tale. [539.] Breeding in colder portions of North America, south to northern border of United States, and in migrations extending over whole of Middle America, South America, and West Indies.

549. *Totanus flavipes* (Gmel.). Yellow-legs. [540.] Whole of America, but warmer portions only in winter, and rare in Western North America.
550. *Rhyacophilus solitarius* (Wils.). **Solitary Sandpiper.**

[541.] America in general, breeding in north temperate regions; accidental in Europe.


*b.* No. 67723. Juv. Three Buttes, Montana, August 10, 1874; Dr. E. Cones, U. S. A.


552. *Symphemia semipalmata* (Gmel.). **Willet.** [537.] Temperate North America; south in winter to the tropics, as far as Brazil; accidental in Europe.


*b.* No. 59708. ♀ ad., winter dress. San Mateo, Tehuantepec, August 6, 1869; Prof. F. Sumichrast.


553. *Heteroscelus incanus* (Gmel.). **Wandering Tattler.**

[542.] Islands and shores of the Pacific Ocean, including western coast of America from Alaska to the Galapagos.

*a.* No. 75831. Alaska; E. W. Nelson.


555. *Bartramia longicauda* (Bechst.). **Bartram's Sandpiper; Field Plover.** [545.] Eastern North America, north to Nova Scotia and Eastern Alaska, west to Utah; in winter, south to West Indies, Brazil, and and Peru; casual in Europe.

*a.* No. 64013. ♀ ad. Pembina, Dakota Territory, June 11, 1873; Dr. E. Cones, U. S. A.

*b.* No. 1116. ♀ juv. Carlisle, Pennsylvania, July 15, 1843; Prof. Baird.

556. *Tryngites rufescens* (Vieill.). **Buff-breasted Sandpiper.**

[546.] North America in general, but chiefly the interior, breeding far northward; in winter, south to Peru and Uruguay; Cuba; occasional in Europe.

*a.* No. 88885. ♀ ad. Point Barrow, Alaska, June 11, 1882; M. Smith.

*b.* No. 84655. ♀ juv. Massachusetts, September 6, 1871; H. W. Henshaw.

557. *Tringoides macularius* (Linn.). **Spotted Sandpiper.**

[543.] Whole of North America, breeding nearly throughout its range; south in winter to Brazil, including all of West Indies.

*a.* No. 84659. ♀ ad. Carson City, Nevada, April 25, 1868; R. Ridgway.

*b.* No. 84660. ♀ juv. Camp Patterson, Illinois, July 25, 1876; H. K. Coale.
558. Numenius longirostris (Wils.). Long-billed Curlew. [549.] Temperate North America; south in winter to Cuba, Jamaica, Guatemala, and Brazil (?).

a. No. 9837. San Francisco, California; Dr. A. L. Heermann.

*b. No. 63578. Filmore, Utah Territory, November 19, 1872; H. W. Heu-shaw.

559. Numenius hudsonicus (Lath.). Hudsonian Curlew. [550.] Whole of America, but breeding in arctic and sub-arctic districts; in winter throughout West Indies and greater extent of South America; Greenland.


560. Numenius borealis (Forst.). Eskimo Curlew. [551.] Northern and Eastern North America, and Southern South America; no West Indian record; Greenland and occasionally in Europe.

*a. No. 52130. Lower Anderson River, Arctic America; R. McFarlane.

561.] Numenius phaeopus (Linn.). Whimbrel. Palaeartic, African, and Indo-Malayan regions; accidental in Greenland.


Family PHALAROPIDÆ.—The Phalaropes.


564. Lobipes hyperboreus (Linn.). Northern Phalarope. [520.] Northern hemisphere, circumpolar in summer, but breeding further south on higher mountain ranges.

a. No. 59713. Tehuantepec, October 24, 1869; Prof. F. Sumichrast.


565. Steganopus wilsoni (Sab.). Wilson's Phalarope. [519.] In summer, chiefly interior districts of North America (not recorded from Pacific coast); in winter, migrating far southward (Patagonia, Brazil, &c.).

*a. No. 69603. Sienaga, Arizona, August 30 1874; H. W. Heu-shaw.
565. Steganopus wilsoni—Continued.
  *b. No. 10393. ♂ ad. Dane County, Wisconsin, May 20, 1855; T. Kunlien.
  *c. No. 6742. ♂ ad. Frenchman’s River, Dakota; Dr. E. Cones, U. S. A.

Family RECURVIROSTRIDÆ.—The Avocets.

566. Recurvirostra americana Gmel. AMERICAN AVOCET.  [517.] Whole of temperate North America; south, in winter, to Guatemala, Cuba, and Jamaica.
  *a. No. 34433. ♂ ad. Near Fort Larned, Kansas, June 2, 1864; Dr. E. Cones, U. S. A.
  *b. No. 67764. Juv. Chief Mountain, Dakota, August 29, 1874; Dr. E. Cones, U. S. A.

567. Himantopus mexicanus (Müll.). BLACK-NECKED STILT.  [518.] Whole of temperate North America, Middle America, and Northern South America, to Brazil, Peru, Galapagos, etc.; West Indies.
  *a. No. 79929. ♂ ad. Salt Lake City, Utah, June 3, 1869; R. Ridgway.

Order PALUDICOLÆ.—The Marsh-Birds.

Family PARRIDÆ.—The Jaçanas.

568. Parra gymnostoma Wagl. MEXICAN JAÇANA. Middle America, north to Lower Rio Grande Valley in Texas; Cuba; Hayti?

Family RALLIDÆ.—The Rail Tribe.


569*. Rallus beldingi Ridgw. BELDING’S RAIL. Salt-water marshes of Lower California.

570. Rallus obsoletus Ridgw. CALIFORNIAN CLAPPER RAIL. Salt-water marshes of Pacific coast of United States, south to western coast of Lower California.

571. Rallus longirostris crepitans (Gmel.). CLAPPER RAIL.  [553.] Salt-water marshes of Atlantic coast of United States.
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571a. *Rallus longirostris saturatus* Hensh.  **LOUISIANA CLAPPER RAIL.** Salt-water marshes of Gulf coast of United States from Western Florida to Louisiana.


573. *Porzana maruettia* (Leach).  **SPOTTED CRAKE.** Palearctic region; accidental in Greenland.

574. *Porzana carolina* (Linn.).  **SORA RAIL. CAROLINA RAIL.** [555.] Entire temperate North America; Middle America and West Indies in winter.


575. *Porzana noveboracensis* (Gmel.).  **LITTLE YELLOW RAIL.** [557.] Eastern United States, west to Utah and Nevada.


576. *Porzana jamaicensis* (Gmel.).  **LITTLE BLACK RAIL.** [556.] Warm-temperate, and tropical America in general; north to California, Illinois, and Massachusetts; south to Chili.

a. No. 41898. Ad. (?) West Kansas; A. Crocker.


[577.] *Crex pratensis* Bechst.  **CORN CRAKE.** [558.] Palearctic region; casual in Eastern United States.

578. *Ilornis martinica* (Linn.).  **PURPLE GALLINULE.** [561.] Warmer parts of North and South America, and throughout West Indies; north, casually, to northern border of United States, but not recorded from Pacific coast.


579. *Gallinula galeata* (Licht.).  **FLORIDA GALLINULE.** [560.] Temperate North America, Middle America, and West Indies.

**580. Fulica americana** Gmel. AMERICAN COOT. [559.]
Whole of North America (except extreme northern portions), Middle America, and West Indies.


*b*. No. 65555. Juv. Souris River, Dakota, October 1, 1873; Dr. E. Cones, U. S. A.

**580. Fulica atra** Linn. EUROPEAN COOT. Palaearctic region; accidental in Greenland.

**581. Aramus pictus** Bartr. LIMPKIN; FLORIDA COURLAN. [481.]
Greater Antilles, Florida, and coasts of Central America.


**582. Grus americana** (Linn.). WHOOPING CRANE. [478.]
Interior districts of North America, north to the Saskatchewan, south to Florida, Texas, and Central Mexico.


**583. Grus pratensis** Bartr. SANDHILL CRANE. [479.]
Temperate North America, but chiefly in Mississippi Valley and westward; south to Central Mexico.

*a*. No. 18066. Juv. Fort Crook, California, April 20, 1860; Capt. J. Feilner.

**584. Grus canadensis** (Linn.). LITTLE CRANE. [480.]
Northern North America, breeding from Alaska to Hudson’s Bay and along arctic coast, and migrating southward in winter.


**Order PHÉNICOPTÉRERI.—The LAMELLIROSTRAL WADERS.**

**Family PHÉNICOPTÉRERIDÆ.—The FLAMINGOES.**

**585. Phænicopterus ruber** Linn. AMERICAN FLAMINGO. [502.]
Atlantic coast of Middle America, north to Florida, Bermudas, and some others of the West Indies, south to Northern South America; Galapagos?

Order ANSERES.—The Lamellirostral Swimmers.

Family ANATIDÆ.—The Duck Tribe.

[586.] Olor cygnus (Linn.). European Swan. Palaearctic region; casual in South Greenland.

[587.] Olor bewicki (Yarrell). Bewick’s Swan. Northern part of Palaearctic region (very doubtfully American).

588. Olor columbianus (Ord.). Whistling Swan. [561 a.] North America in general, breeding far northward; accidental in Scotland.

589. Olor buccinator (Rich.). Trumpeter Swan. [562.] Interior of North America; more rare on the Pacific, and casual on the Atlantic coast; breeding from Iowa and Dakota northward.

590. Chen caerulescens (Linn.). Blue-winged Goose. [564.] Interior districts of North America, breeding northward; migrating south through Mississippi Valley.
   a. No. 77308. ♂ ad. Logan County, Illinois, April 28, 1871; Smith.

591. Chen hyperboreus (Pall.). Snow Goose. [563.] North America in general, breeding toward arctic coast; more abundant eastward.

591a. Chen hyperboreus albatis (Cass.). Lesser Snow Goose. [563 a.] North America in general, breeding far northward; more numerous westward.

592. Chen rossi (Baird). Ross’s Snow Goose. Western North America, breeding in arctic districts between McKenzie River and Hudson’s Bay (?).

[593.] Anser albifronts (Gmel.). European White-fronted Goose. Palaearctic region; breeding also in South-eastern Greenland.

594. *Bernicla canadensis* (Linn.). CANADA GOOSE. [567.] United States (except Pacific coast?) and British Provinces; breeding (at present) chiefly north of 40°.


594a. *Bernicla canadensis hutchinsi* (Sw. & Rich.). HUTCHINSON'S GOOSE. [569.] Breeding in the arctic districts, from the Yukon to Hudson's Bay, migrating south in winter chiefly through Mississippi Valley and westward.


594b. *Bernicla canadensis leucoparia* (Brandt). WHITE-CHEEKED GOOSE. [568.] Breeding along the coast of Alaska, and thence westward through Alaskan chain to Kamtschatka; south in winter along Pacific coast to California, and occasionally straggling eastward.


594c. *Bernicla canadensis occidentalis* (Baird). LARGER WHITE-CHEEKED GOOSE. [567 a.] Coast of Southern Alaska and British Columbia in summer; south to California in winter.

595. *Bernicla brenta* (Pall.). BRANT. [570.] Sea-coasts of Europe and Eastern North America, breeding in extreme arctic regions; rare inland.


596. *Bernicla nigricans* (Lawr.). BLACK BRANT. [571.] Western districts of Arctic America, south in winter to Lower California; casual on Atlantic coast.


(See also Group C of mounted birds.)

597. *Bernicla leucopsis* (Temm.). BARNACLE GOOSE. [572.] Sea-coasts of Palaearctic region, straggling to Eastern North America (several records, from Hudson's Bay to North Carolina).

598. Philacte canagica (Sevast.). EMPEROR GOOSE. [573.] Sea-coast and islands of Alaska, north of the peninsula.

(See Group C of mounted birds.)

599. Dendrocygna autumnalis (Linn.). BLACK-BELLIED TREE DUCK. [574.] Middle America, north to Rio Grande Valley in Texas.

(See Group D of mounted birds.)
600. Dendrocygna fulva (Gmel.). Fulvous Tree Duck. [575.] Middle America, north to Louisiana, Texas, Nevada, and California; Southern Brazil, Buenos Ayres, and Paraguay.

(See Group D of mounted birds.)

601. Anas boscas Linn. MALLARD. [576.] Entire northern hemisphere.


b. No. 73865. ♂ ad., changing. Camp Bidwell, California, August 2, 1878; H. W. Henshaw.


(See Group F of mounted birds.)


604. Chaulelasinus streperus (Linn.). Gadwall. [584.] Whole northern hemisphere.


605. Dafila acuta (Linn.). PINTAIL. [578.] Northern Hemisphere in general.


606. Mareca penelope (Linn.). WIDGEON. [586.] Palaearctic region; occasional in Eastern North America, and more frequent in Alaska.


(See also Group E of mounted birds.)

608. Spatula clypeata (Linn.). SHOVELER. [583.]


609. Querquerduia discors (Linn.). BLUE-WINGED TEAL. [581.] North America generally, but chiefly eastern portions; south in winter throughout West Indies and Middle America to Ecuador; accidental in Europe.

b. No. 33688. ♀ ad. Dueñas, Guatemala, November, 1861; O. Salvin.

(See also Group E of mounted birds.)
610. *Querquedula cyanoptera* (Vieill.). **Cinnamon Teal.** [582.] Western America, from the Columbia River to Chili, Buenos Ayres, and Falkland Islands; east (occasionally) to Mississippi Valley.

b. No. 84721. ♂ ad. Stockton, California, April, 1879; L. Belding.
(See Group E of mounted birds.)


b. No. 71291. ♂ ad. Madisonville, Ohio, March 4, 1877; F. W. Langdon.
(See also Group E of mounted birds.)

613. *Aix sponsa* (Linn.). **Wood Duck; Summer Duck.** [587.] Whole of temperate North America; Cuba; accidental in Europe.

(See also Group E of mounted birds.)

614. *Fulix marila* (Linn.). **Scaup Duck.** [588.] North America, breeding northward; portions of Palaearctic region.

615. *Fulix affinis* (Eyt.). **Little Blackhead.** [589.] North America, breeding in high latitudes.


616. *Fulix collaris* (Donov.). **Ring-billed Blackhead; Ring-neck.** [590.] North America, breeding northward.

a. No. 74536. ♀ ad. Northern Indiana; Cuvier Club, Cincinnati, Ohio.

b. No. 74537. ♂ ad. Northern Indiana; Cuvier Club, Cincinnati, Ohio.

616. *Fuligula rufina* (Pall.). **Rufous-crested Duck.** Portions of Palaearctic region; accidental in Eastern North America (Long Island Sound).

617. *Æthyia vallisneria* (Wils.). **Canvas-back.** [592.] North America, breeding northward.

(See also Group E of mounted birds.)

(See Group E of mounted birds.)
619. Clangula islandica (Gmel.). **Barrow's Golden-eye.** [594.] Northern North America, including Greenland; south to Northern United States in winter; in Rocky Mountains, breeding south to Colorado; Iceland; accidental in Europe.

a. No. 63019. ♀ ad. Provo, Utah, November 11, 1872; Yarrow and Henshaw.
b. No. 84735. ♂ ad. Cambridge, Massachusetts, January, 1872; W. Brewster.

620. Clangula glaucium americana (Bp.). **American Golden-eye.** [593.] North America, breeding from extreme Northeastern United States (Maine, &c.) northward.


621. Clangula albeola (Linn.). **Butterball; Bufflehead.** [595.] North America in general, breeding far northward.

a. No. 74541. ♂ ad. Northern Indiana; Cuvier Club, Cincinnati, Ohio.

622. Histrionicus minutus (Linn.). **Harlequin Duck.** [596.] Northern part of northern hemisphere; in America, south in winter to Middle States, Illinois, and California; breeding south to about 38° in Rocky Mountains and Sierra Nevada.


(See also Group G of mounted birds.)

623. Harelda glacialis (Linn.). **Long-tailed Duck; Old Squaw.** [597.] Northern portions of northern hemisphere; chiefly littoral, and breeding far northward.

*a. No. 88185. ♂ ad. Winter, Stamford, Connecticut; Dr. R. W. Shufeldt, U. S. A.*
b. No. 76197. ♂ ad. Summer, Cumberland Sound; L. Kumlien.

624. Camptolæmus labradorius (Gmel.). **Labrador Duck.** [600.] Formerly, Northern Atlantic coast of North America, south in winter to New Jersey; said to have been obtained a few years since in Michigan, but believed to be now nearly, if not quite, extinct.
625. Cosmonetta stelleri (Pall.). Steller’s Duck. [598.] Arctic and subarctic coasts of northern hemisphere; in Alaska, south to Kodiak and Unalaska.

a. No. 88945. ♀ ad. Point Barrow, Alaska, June 18, 1882; J. Murdoch.

(See also Group G of mounted birds.)

626. Lamronetta fischeri (Brandt). Spectacled Eider. [599.] Coast of Alaska, from Norton Sound to Point Barrow.


(See also Group G of mounted birds.)

627. Somateria mollissima (Linn.). Common Eider. Northern portions of Palaearctic region; also, Greenland and western shores of Cumberland Gulf.


b. No. 76177. ♂ juv. Cumberland Gulf, June 23, 1878; L. Kumlien.

c. No. 88558. Pulius. Dr. Hoadley.


b. No. 18206. ♀ ad. Groswater Bay, Labrador; Dr. E. Coues.


629. Somateria spectabilis (Linn.). King Eider. [608.] Circumpolar regions; in North America, south in winter to the Great Lakes and coast of California.

b. No. 76193. ♂ juv. Wejat Sound, Greenland; L. Kumlien.


630. Ædemia americana (Sw. & Rich.). American Scoter. [604.] Northern sea-coasts and larger inland waters of North America; south in winter to New Jersey, the Great Lakes, northern tributaries of the Ohio and Upper Mississippi, and coast of California; in summer south to higher mountains in Colorado.


[631.] Melanetta fusca (Linn.). Velvet Scoter. Palæarctic region; accidental in Greenland.

632. Melanetta velventina (Cass.). American Velvet Scoter. [601.] Coasts and larger inland waters of Northern North America; south in winter to Chesapeake Bay, the Great Lakes, and Southern California.


633. Pelionetta perspicillata (Linn.). Surf Duck. [602, 603.] Northern North America; south in winter to Jamaica, Ohio River, and Lower California. (Chiefly littoral.)

a. No. 81744. ♂ ad. Santa Cruz Island, California, March, 1878; W. A. Cooper.

634. Erismatura rubida (Wils.). Ruddy Duck. [609.] Temperate North America; south in winter to New Granada and West Indies.

b. No. 59929. ♀ ad. Fort Tejon, California; J. Xantus.

635. Nomonyx dominicus (Linn.). Black Masked Duck. [610.] Tropical America; accidental in Eastern United States (Lake Champlain, New York, and Lake Koshkonong, Wisconsin).

a. No. 58818. ♂ ad. Tepic, Mexico; Col. A. J. Grayson.
b. No. 50965. ♀ ad. Tepic, Mexico; Col. A. J. Grayson.


637. Mergus serrator Linn. Red-breasted Sheldrake. [612.] Northern hemisphere, breeding in cold-temperate and subarctic districts.

a. No. 9882. ♂ ad. San Francisco, California; Dr. A. D. Heermann.
b. No. 84749. ♀ ad. Cambridge, Massachusetts; W. Brewster.

638. Lophodytes cucullatus (Linn.). Hooded Sheldrake. [613.] Whole of North America, south to Mexico and Cuba; north to Alaska, and, accidentally, Greenland; Bermudas; casual in Europe. (Breeds nearly throughout its range.)

Order STEGANOPODES.—The Totipalmate Swimmers.

Family TACHYPETIDÆ.—The Frigate Pelicans.

639. *Tachypetes aquila* Linn. Frigate Pelican; Man-o-War Hawk. [619.] Tropical and subtropical seas in general, but chiefly north of the equator; north to California, Texas, Florida, and (casually) Long Island.


b. No. 59787. ♂ ad. Tehuantepec, November 18, 1869; Prof. F. Sümichrast.


Family PELECANIDÆ.—The Pelicans.


641. *Pelecanus fuscus* Linn. Brown Pelican. [616.] Coasts of tropical and subtropical America (except Pacific side of South America); north to California and North Carolina; accidental in Illinois (?).


Family PHALACROCORACIDÆ.—The Cormorants.

642. *Phalacrocorax carbo* (Linn.). Common Cormorant. [620.] Various parts of eastern hemisphere and northern Atlantic coast of North America; south, in winter, to coast of New Jersey.


a. No. 92853. Ad. - Cuba or Texas; G. N. Lawrence.
b. No. 58809. ♀ juv. Mazatlan, Mexico; Col. A. J. Grayson.

a. No. 81759. ♀ ad. Farallone Islands, California, summer; F. Gruber.

646. *Phalacrocorax violaceus* (Gmel.). *Violet-green Cormorant.* [627.] Coasts and islands of the North Pacific, from Kamschatica, Commander and Kurile Islands, and Alaska, south to British Columbia and Vancouver Island.

a. No. 23384. Ad. Mazatlan, Mexico, summer; J. Xantus.

647. *Phalacrocorax bicristatus* Pall. *Red-faced Cormorant.* Prybilov (Seal) Islands, Aleutian Chain, Kuriles, and coast of Kamschatica; said to occur casually in Japan and Formosa.
FISHERIES OF THE UNITED STATES. [28]

647. Phalacrocorax bicristatus—Continued.

648. Phalacrocorax perspicillatus Pall. PALLAS'S Cormo-
RANT. [621.] Bering Island (extinct?).

Family PLOTIDAE.—The Anhingas.

649. Plotus anhinga Linn. AMERICAN ANHINGA; Snake
BIRD. [628.] Whole of tropical America; Gulf
States, and north in Mississippi Valley to Southern
Illinois.
a. No. 84760. $ ad., nuptial plumage. Florida, spring, 1874; J. C.
Scholl.
(See also Group II of mounted birds.)

Family SULARIDAE.—The Gannets.

650. Sula bassana (Linn.). GANNET. [617.] Coasts and islands
of the North Atlantic; south, in winter, to Gulf of
Mexico.

651. Sula cyanops Sundev. BLUE-FACED GANNET. Coasts and
islands of the South Pacific and various intertropical
seas; Bahamas and South Florida.
a. No. 67315. Ad. Christmas Island; Dr. T. H. Streets, U. S. N.
b. No. 67316. $ juv. Christmas Island; Dr. T. H. Streets, U. S. N.

652. Sula leucogaster (Bodd.). BOOBY GANNET. [618.] Coasts
of tropical and subtropical America (on both sides),
north to Georgia.
a. No. 24152. Ad. (?). Brazil; L. Wells.

653. Sula piscator (Linn.). RED-FOOTED BOOBY. Intertropical
seas and coasts, north to Florida and Revillegigedo
Islands.
a. No. 50867. $ ad. Socorro Island; Col. A. J. Grayson.
b. No. 67332. Juv. Near Sandwich Islands; Dr. T. H. Streets, U. S. N.

Family PHAETHONTIDAE.—The Tropic Birds.

654. Phaethon flavirostris (Brandt.) YELLOW-BILLED TROPIC
Bird. [629.] Tropical seas in general; north, regular-
ly, to Florida, accidentally to New York.
655. *Phaethon aethereus* Linn. **Red-billed Tropic Bird.** Tropical seas; north to Gulf of California, West Indies, and, casually, to Newfoundland Banks.

*a.* No. 74033. ♀ ad. Saint Vincent, West Indies; F. A. Ober.


Order **GAVIÆ.—The Gull-like Swimmers.**

Family **RHYNCHOPSIDÆ.—The Skimmers.**

656. *Rynchops nigra* Linn. **Black Skimmer.** [607.] Seacoasts of tropical and warm-temperate America; north along Atlantic coast of United States to New Jersey and (casually) to Maine.

*a.* No. 89269. ♀ juv. Cobb's Island, Virginia, July, 1880; R. Ridgway.


Family **LARIDÆ.—The Gull Tribe.**


*a.* No. 76236. ♀ juv. Cumberland Gulf, 1877; L. Kumljen.

658. *Rissa tridactyla* (Linn.). **Kittiwake Gull.** [672.] Coasts and islands of North Atlantic; south, in winter, to Middle States and Great Lakes.

*a.* No. 79134. ♀ ad. Davis Straits, July 26, 1879; N. P. Scudder.

*b.* No. 79135. ♀ juv. Davis Straits, August 16, 1879; N. P. Scudder.

658a. *Rissa tridactyla kotzebuei* (Bp.). **Pacific Kittiwake.** North Pacific Ocean, including islands and coasts of Alaska; west to Kamschatka and Commander Islands, north to the Arctic Ocean.

659. *Rissa brevirostris* (Brandt). **Red-legged Kittiwake.** [674, 675.] Shores and islands of North Pacific (on both sides); in Alaska, throughout Aleutian chain and on Prybivol Islands.

*a.* No. 64371. ♀ ad. Saint George's Island, Alaska; H. W. Elliott.


*c.* No. 73149. ♀ juv. Saint Michael's, Alaska, September 18, 1876; L. M. Turner.
FISHERIES OF THE UNITED STATES. [30]

660. Larus glaucus Brünn. GLAUCOUS GULL; BURGOMASTER. [656.] Circumpolar regions; south in winter to Long Island, the Great Lakes, and coast of Southern Alaska.

a. No. 76211. ♂ ad. Cumberland Gulf, June 6, 1878; L. Kumlien.
b. No. 76209. ♂ juv. Cumberland Gulf, 1877; L. Kumlien.
c. No. 79132. ♀ juv. Davis Straits, August 15, 1879; N. P. Scudder.

661. Larus leucopterus Faber. WHITE-WINGED GULL. [658.] With much the same range as L. glaucus.

a. No. 71024. Juv. Cumberland Gulf, August 30, 1876; Lieut. W. A. Mintzer, U. S. N.

662. Larus glaucescens Licht. GLAUCOUS-WINGED GULL. [657, 659.] North Pacific coast; south, in winter, to Oregon; Cumberland Gulf.


663. Larus marinus Linn. GREAT BLACK-BACKED GULL. [660.] Coasts of North Atlantic; south, in winter, to Long Island and the Great Lakes; Arctic Ocean, north of Bering's Straits; and occasional on Alaskan coast of Bering Sea; Japan.

a. No. 18214. ♀ ad. Groswater Bay, Labrador, August 10; Dr. E. Coues.
b. No. 18215. Juv. Henley Harbor, Labrador, September 2; Dr. E. Coues.


a. No. 86397 ♀ ad. La Paz, Lower California, February 15, 1882; L. Belding.
b. No. 72739. ♂ juv. Santa Cruz Island, California, June 9, 1875; H. W. Henshaw.

665. Larus affinis Reinh. SIBERIAN GULL. Northern portions of Palaearctic region; accidental in (and originally described from) Greenland.

666. Larus argentatus Brünn. HERRING GULL. Palaearctic region; casual or occasional in Eastern North America.

666a. Larus argentatus smithsonianus—Continued.
c. No. 20607. pullus. Fort George, Hudson’s Bay Territory, July 5, 1860; C. Drexler.

667. Larus cachinnans Pall. Pallas’s HERRING GULL. Northern Asia and North Pacific coast of North America, south in winter to California.

668. Larus californicus Lawr. CALIFORNIAN GULL. [663.] Western North America, chiefly in the interior; north to Alaska, south to Western Mexico.
b. No. 72731. juv. Washoe Lake, Nevada, August 31, 1876; H. W. Henshaw.
c. No. 77583. pullus. Eagle Lake, California, July 4, 1877; H. W. Henshaw.

a. No. 77312. ad. Hernando County, Florida, March 10, 1876; Greene Smith.
b. No. 65592. juv. La Riviere Lac, Dakota Territory, September 13, 1873; Dr. E. Coues, U. S. A.


671. Larus canus Linn. MEW GULL. Palearctic region; casual (?) in Labrador.

672. Larus heermanni Cass. HEERMANN’S GULL. [666.] Pacific coast of North America, from British Columbia to Panama.
a. No. 72740. ad. Santa Barbara, California, June 24, 1875; H. W. Henshaw.
b. No. 86400. juv. La Paz, Lower California, January 4, 1882; L. Belding.

673. Larus atricilla Linn. LAUGHING GULL. [667.] Atlantic coast, from Maine (casually) to mouth of the Amazon, breeding north to New Jersey; Pacific coast of Central America in winter, casual in Europe.
(See also Group I of mounted birds.)
674. Larus franklini Sw. & Rich. FRANKLIN'S GULL. [668, 669.] Interior of North America, breeding chiefly north of the United States; in winter throughout Central and a considerable portion of South America.

675. Larus philadelphiae (Ord.) BONAPARTE'S GULL. [670.] North America in general, but not south of the United States (?); Bermudas; breeding far northward.

676. Rhodestethia rosea (Macgill.). Ross's GULL. [678.] Arctic Ocean, extending, rarely, south to Disco Bay and Northern Alaska; accidental in Heligoland, Faeroes, England (Yorkshire), and Kamtschatka.

677. Xema sabinei (J. Sabine). SABINE'S GULL. [680.] Circumpolar; south in winter to Maine, New York, the Great Lakes, Great Salt Lake, and, casually, to the Bermudas and Peru.
   (See Group I of mounted birds.)

678. Creagrus furcatus (Neb.). SWALLOW-TAILED GULL. [679.] Pacific coast of South America (Peru to Galapagos); Monterey, California??

679. Sterna anglica Montag. GULL-BILLED TERN. [681.] Atlantic coast of United States, south in winter to Southern Mexico; also various parts of the Old World, including Australia.

680. Sterna caspia Pall. CASPIAN TERN. [682.] Coasts and various inland waters of North America, breeding, in isolated localities, throughout its range, or from Texas to near the arctic coast; also many portions of the eastern hemisphere, including Australia.
   a. No. 76772. ♂, winter. Shore of California; F. Gruber.

681. Sterna regia Gamb. ROYAL TERN. [683.] Coasts and various inland waters of Southern North America, breeding north to about 40°.

682. Sterna elegans Gamb. ELEGANT TERN. [684.] Pacific coast of Middle America, north to Southern California.
683. Sterna cantiaca acuflava (Cabot). Cabot’s Tern. [685.] Both coasts of Middle America (in winter), north to Atlantic coast of United States.

a. No. 58935. Ad. Tehuantepec, Mexico, February 24, 1869; F. Sumichrast.

684. Sterna trudeaui Aud. Trudeau’s Tern. [687.] Atlantic coast of South America; casual along Atlantic coast of United States (New Jersey).

685. Sterna forsteri Nutt. Forster’s Tern. [691, 686.] Whole of temperate North America, breeding, in suitable localities, throughout its range; in winter, south to Brazil.

*a. No. 80148. ♂ ad. Cobb’s Island, Virginia, July 9, 1880; R. Ridgway.

*b. No. 89268. ♀ ad. Cobb’s Island, Virginia, July 9, 1880; R. Ridgway.


a. No. 80182. ♀ ad. Cobb’s Island, Virginia, July 12, 1880; R. Ridgway.


687. Sterna macrura Naum. Arctic Tern. [690, 693.] Circumpolar regions, south in winter to Middle States and California; on Atlantic coast, breeding south to Massachusetts.


688. Sterna dougallii Montag. Roseate Tern. [692.] Atlantic coast of United States, West Indies, and various parts of eastern hemisphere, including Australia.

a. No. 84778. ♂ ad. Nantucket, Massachusetts, June 30, 1874; W. Brewster.

b. No. 84779. ♀ ad. Nantucket, Massachusetts, June 30, 1874; W. Brewster.


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690. Sterna antillarum Less. Least Tern. [694.] United States (rather southern), Middle America, and West Indies, breeding in suitable localities north to, or beyond, 40°.


691. Sterna fuliginosa Gmel. Sooty Tern. [688.] Sea-coasts throughout the warmer parts of the world; in North America, along the Gulf and South Atlantic coasts, north, casually, to, or beyond, Pennsylvania.

*a. No. 12837. Ad. Tortugas, Florida, July 4, 1859; Dr. Whitehurst.


693. Hydrochelidon lariformis surinamensis (Gmel.). Black Tern. [695.] Temperate North America in summer; south, in winter, to West Indies; South America as far as Chili.

*a. No. 77561. ♀ ad. Washoe Lake, Nevada, June 4, 1877; H. W. Henshaw.
*b. No. 64046. ♀ ad. Pembina, Dakota, June 17, 1873; Dr. E. Cones, U. S. A.
*c. No. 59745. ♀ ad., winter plumage. Tehuantepec, Mexico, August 9, 1869; F. Sumichrast.


695. Anous stolidus (Linn.). Noddy Tern. [696.] Intertropical seas; also South Atlantic and Gulf coasts of United States.


Family STERCORARIIDÆ.—The Skua Gulls.

696. Megalestris skua (Brünn.). Skua Gull. [652.] Northern seas and coasts of northern hemisphere; in winter, south to Massachusetts and California. (Rare on Pacific side?)
697. Stercorarius pomatorhinus (Temm.). POMARINE JÄGER. [653.] Northern portions of northern hemisphere, chiefly maritime; in North America south in winter to New Jersey and the Great Lakes.

698. Stercorarius parasiticus (Linn.). RICHARDSON'S JÄGER. [654.] Northern parts of northern hemisphere, south in winter to New York, Illinois, Colorado (!), and even to coast of Brazil.
   b. No. 79056. ♀ ad. South Greenland; Governor Fencker.

699. Stercorarius longicaudus Vieill. LONG-TAILED JÄGER. [655.] Circumpolar regions; south in winter to northern United States.

Order TUBINARIES.—The TUBE-NOSED SWIMMERS.

Family DIOMEDEIDÆ.—The ALBATROSES.


701.* Diomedea melanophrys Temm. SPECTACLED ALBATROSS. Southern oceans, especially South Pacific; casual off coast of California.
   a. No. 21297. Ad. Pacific Ocean; Dr. Stuart.


703. Phæbetria fuliginosa (Gmel.). SOOTY ALBATROSS. [633.] Southern oceans; north, casually (?) to coast of Oregon.
   a. No. 68953. ♀ ad. Kerguelen Island; Dr. J. H. Kidder, U. S. N.
Family PROCELLARIIDÆ.—The Petrels.

704. **Oisifraga gigantea** (Gm.). **GIANT FULMAR.** [634.] Southern oceans; north to coast of Oregon.

705. **Fulmarus glacialis** (Linn.). **FULMAR PETREL.** [635.] North Atlantic; south, in winter, to Massachusetts.

a. No. 79119. ♂ ad. Davis Straits, July 19, 1879; N. P. Scudder.

705a. **Fulmarus glacialis pacificus** (Aud.) **PACIFIC FULMAR.** [636.] North Pacific; south, in winter, to coast of Western Mexico.


705b. **Fulmarus glacialis rodgersi** (Cass.). **RODGERS'S FULMAR.** North Pacific, from Japan to Alaska.


a. No. 33122. Ad. South Africa; Dr. Stuart.

707. **Puffinus melanurus** (Bonn.). **BLACK-TAILED SHEARWATER.** South Pacific; north, casually (?), to coast of California.

a. No. 21312. Ad. Cape of Good Hope; Dr. Stuart.

708. **Puffinus kuhli** (Boie). **CINEROUS SHEARWATER.** [651.] Middle Atlantic, but chiefly the eastern side.

(See Group J. of mounted birds.)

708.* **Puffinus borealis** Cory. **NORTHERN SHEARWATER.** Off coast of Massachusetts.

709. **Puffinus major** Faber. **GREATER SHEARWATER.** [647.] Atlantic Ocean generally.


710. **Puffinus creatopus** Cooper. **PINK-FOOTED SHEARWATER.** Pacific coast, from California to Chili.

711. **Puffinus anglorum** Temm. **MANX SHEARWATER.** [649.] North Atlantic, particularly the eastern side; Mediterranean Sea; "Coast of New Jersey to Labrador." (?)
Warmer portions of Atlantic Ocean, north to New Jersey.


713. *Puffinus gavia* (Forst.) *Black-vented Shearwater.*
South Pacific, from New Zealand to Lower California.

[648.] North Atlantic, south to North Carolina.

(See Group J of mounted birds.)

715. *Puffinus griseus* (Gm.). *Dark-bodied Shearwater.*
South Pacific, north to Lower California.

North Pacific.


717.* *Œstrelata fisheri* Ridgw. *Fisher’s Petrel.* Coast of Alaska; accidental in Western New York?

Eastern middle Atlantic, especially in vicinity of Canary Islands; accidental near Greenland.

719. *Daption capensis* (Linn.). *Pintado Petrel; Cape Pigeon.* [639.] Southern seas; accidental (?) off coast of California.

a. No. 89434. Ad. Falkland Islands, April 30, 1882; Dr. T. C. Craig, U. S. N.


723. *Cymochorea leucorrhoa* (Vieill.). *Leach’s Petrel.*
[642.] Seas of northern hemisphere; Massachusetts to Baffin’s Bay.

(See Group J of mounted birds.)
724. Cymochoreamelaena (Bp.). Black Petrel. [643.] South Pacific, north to Lower California.


726. Oceanodroma furcata (Gmel.). Fork-tailed Petrel. [640.] North Pacific, south to coast of Oregon.
   (See Group J of mounted birds.)

727. Oceanodroma hornbyi (Gray). Hornby's Petrel. [641.] North Pacific ("Russian America").

728. Fregetta grallaria (Vieill.). White-bellied Petrel. [646.] Tropical seas, mostly in southern hemisphere; accidental off coast of Florida.

Order PYGOPODES.—The Divers.

Family PODICIPEDIDÆ.—The Grebes.

729. Aechmophorus occidentalis (Lawr.). Western Grebe. [704.] Western North America, but chiefly the interior; north in summer to Manitoba, south in winter to Mexico.
   a. No. 74470. ♂ ad. Stockton, California, June 3, 1878; L. Belding.
   (See also Group K of mounted birds.)

730. Aechmophorus occidentalis clarki (Lawr.). Clark's Grebe. [705.] Pacific coast of North America, south in winter to Mexico.
   a. No. 41243. Ad. San Pedro, California, November, 1865; Dr. E. Cones, U. S. A.


732. Dytes auritus (Linn.). Horned Grebe. [706.] Northern hemisphere, breeding in colder regions.
   (See Group K of mounted birds.)

[733.] Dytes nigriceps (Sund.). Eared Grebe. [708.] Palearctic region, including Southern Greenland.

733a. Dytes nigriceps californicus (Heerm.). American Eared Grebe. [707.] Western North America, east (casually?) to Mississippi Valley.
   (See Group K of mounted birds.)
734. Tachybaptes dominicus (Linn.). SAINT DOMINGO GREBE. [708 a.] Whole of tropical America, including West Indies; north to Rio Grande Valley, in Texas, and Lower California.
   a. No. 70597. ♂ ad. Santa Maria, Texas, March 2, 1876; Dr. J. C. Merrill.

735. Podilymbus podiceps (Linn.). THICK-BILLED GREBE. [709.] Whole of tropical and temperate America.
   b. No. 65554. Pullus. Turtle, Mount Dakota, August 7, 1873; Dr. E. Cones, U. S. A.
   (See also Group K of mounted birds.)

Family COLYMBIDÆ.—The Loons or Divers.

736. Colymbus torquatus Brünn. LOON. [698.] Northern portions of northern hemisphere; in America, breeding south to northern border of the United States.

737. Colymbus adamsi Gray. GREAT WHITE-BILLED LOON Western Arctic America.

738. Colymbus arcticus Linn. BLACK-THROATED DIVER. [699.] Northern parts of northern hemisphere.


740. Colymbus septentrionalis Linn. RED-THROATED DIVER. [701.] Northern portions of northern hemisphere in America, south in winter nearly across the United States.

Family ALCIDÆ.—The Auk Tribe.

741. Plautus impennis (Linn.). GREAT AUK. [710.] Believed to be now extinct; formerly (previous to 1844) inhabiting the islands of the North Atlantic from the New England coast (Boston Bay) north to the Arctic Circle.
742. *Alca torda* Linn. **Razor-billed Auk.** [711.] Coast and islands of the North Atlantic, south in winter to about 40°; Japan.

(See Group L of mounted birds.)

743. *Fratercula arctica* (Linn.). **Common Puffin.** [715, 716.] Coasts and islands of Arctic and North Atlantic Oceans; south in winter to coasts of Massachusetts and France; in North America breeding south to Bay of Fundy.

a. No. 79026. Q ad. Godhavn, Greenland; Governor Fencker.

743a. *Fratercula arctica glacialis* (Leach). **Large-billed Puffin.** [714.]

744. *Fratercula corniculata* (Naum.). **Horned Puffin.** [713.] Coasts and Islands of the North Pacific; south in winter to Sitka.


745. *Lunda cirrhata* (Pall.). **Tufted Puffin.** [712.] North Pacific; along American coast, breeding south to Farallone Islands, California; said to have been taken on Kennebec River, Maine, and Bay of Fundy.


(See also Group L of mounted birds.)

746. *Cerorhynchula occidentalis* Bonap. **Horned-billed Puffin.** [717, 718.] Coasts and islands of the North Pacific; on the Asiatic side south to Japan and Kamtschatka, and on the American coast breeding south to San Diego, California.

(See Group L of mounted birds.)

747. *Phaleris psittacula* (Pall.). **Parrot Auk.** [725.] Shores and islands of the North Pacific, from Japan (?) and Kamtschatka to Sitka.


748. *Simorhynchus cristatellus* (Pall.). **Crested Auk.** [719, 720.] Coasts and islands of the North Pacific from Japan to Kodiak, and north to Prybilov (Seal) Islands.


(See also Group L of mounted birds.)

749. *Simorhynchus pygmaeus* (Gmel.). **Whiskered Auk.** [721.] Commander Islands and coast of Kamtschatka; east through Aleutian chain to Unalashka.

(See Group L of mounted birds.)
FISHERIES OF THE UNITED STATES.

750. Ciceronia pusilla (Pall.). LEAST AUK. [722,723.] Coasts and islands of the North Pacific from Northern Japan to Alaska; south in winter to Sitka.


(See also Group L of mounted birds.)

751. Ptychorhamphus aleuticus (Pall.). CASSIN'S AUK. [724.] Pacific coast of North America from Aleutian Islands to San Diego, California.


752. Alle nigriscans Link. SEA DOVE; DOVEKI. [738.] North Atlantic; south, in winter, to New Jersey.

a. No. 55853. Ad. Greenland; Governor Fencker.

753. Synthliborhamphus antiquus (Gm.). BLACK-THROATED GUILLEMOT. [736.] North Pacific coast from Japan to Sitka.

(See Group L of mounted birds.)

754. Synthliborhamphus wurmizusume (Temm.). TEMMINCK'S GUILLEMOT. [737.] North Pacific coast from Japan to Washington Territory.

755. Brachyramphus marmoratus (Gm.). MARBLED GUILLEMOT. [732,733.] Pacific coast of North America; south to Santa Cruz, California.

a. No. 78193. Ad., summer plumage. Santa Cruz, California; W. A. Cooper.
b. No. 78192. Ad., winter plumage. Santa Cruz, California; W. A. Cooper.

756. Brachyramphus kittlitzi Brandt. KITTLITZ'S GUILLEMOT. [735.] North Pacific coast from Japan to Unalashka.

757. Brachyramphus hypoleucus Xantus. XANTUS'S GUILLEMOT. Coast of California from San Diego to Cape Saint Lucas.

758. Brachyramphus craverii Salvad. CRAVER'S GUILLEMOT. Coast of Lower California.


760. Uria grylle (Linn.). BLACK GUILLEMOT. [726.] Coasts and islands of Arctic and North Atlantic Oceans; in America, south in winter to New Jersey; rare on coast of Alaska north of the peninsula.

a. No. 76300. ♀ ad. Cumberland Gulf; L. Kumljen.
761. *Uria columba* (Pall.). *Pigeon Guillemot.* [727.] North Pacific (both sides), breeding south to California.
   a. No. 62707. ♀♂ ad. Popoff Straits, Alaska, June 24, 1872; W. H. Dall.

762. *Uria carbo* (Pall.). *Sooty Guillemot.* [728.] Northern Japan to Unalashka.

   a. No. 517. ♀♂ ad. Labrador; Prof. S. F. Baird.

   a. No. 64305. ♀♂ ad. Saint George’s Island, Alaska, June 20, 1872; H. W. Elliott.

764. *Lomvia arra* (Pall.). *Thick-billed Guillemot.* Northern parts of North Pacific; Bering’s Sea.

764a. *Lomvia arra bruennichi* (Schleg.). *Bruennich’s Guillemot.* [731.] North Atlantic; south in winter to New Jersey; Arctic Ocean.
   a. No. 71016. Ad. N. lat. 62° 24′, W. lon. 65°; Lieut. W. A. Mintzer, U. S. N.
MOUNTED GROUPS.

GROUP A.

1. American Bittern (497. *Botaurus lentiginosus*). No. 88175. ♂ ad. Omaha, Nebraska; Dr. R. W. Shufeldt, U. S. A.

GROUP B.

3. Little Blue Heron (493. *Florida caerulea*).

GROUP C.


GROUP D.

1. Black-bellied Tree Duck (599. *Dendrocygna autumnalis*). No. 58974. ♂ ad. Isthmus Tehuantepec, June 15, 1869; Prof. F. Sumichrast.
2. Fulvous Tree Duck (600. *Dendrocygna fulva*). No. 77897. Ad. San Luis Obispo, California, April, 1879; Dr. W. W. Hays.

GROUP E.


**GROUP F.**

1. Wood Duck; Summer Duck (613. *Aix sponsa*). No. 88183. ♀ ad. Cayuga Lake, New York; Dr. R. W. Shufeldt, U. S. A.

2. Black Mallard; Dusky Duck (602. *Anas obscura*). No. 76765. Eastern United States; Dr. A. L. Heermann (?).

3. Baldpate; American Wigeon (607. *Mareca americana*). No. 76766. ♀ ad. Dr. A. L. Heermann (?).


**GROUP G.**


**GROUP II.**


**GROUP I.**


**GROUP J.**

1. **Fulmar Petrel** (705 *Fulmarus glacialis*). No. 76293. ♀ ad., light phase. Ovipak, Greenland, August 10, 1878; L. Kumlien.


**GROUP K.**


4. **American Eared Grebe**. No. 89795. Ad. (?), winter plumage. (Locality and collector unknown.)


**GROUP L.**


In addition to the above, there are exhibited separately the following mounted specimens:


**American White Pelican** (*Pelecanus erythrorhynchus* Gm.). No. 71051. ♀ ad. Grant County, Minnesota, April 27, 1876; G. B. Sennett.
