

THE BIRDS OF THE WEST INDIES, INCLUDING
THE BAHAMA ISLANDS, THE GREATER AND
THE LESSER ANTILLES, EXCEPTING
THE ISLANDS OF TOBAGO
AND TRINIDAD.

BY CHARLES B. CORY.

[Continued from Vol. IV, p. 328.]

GENUS *Nycticorax* STEPH.

Nycticorax STEPHENS, Gen. Zool. XI, p. 608, 1819.

Nycticorax violaceus (LINN.).

Ardea violacea LINN. Syst. Nat. I, p. 238 (1766); SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 589 (St. Bartholomew); *ib.* p. 603 (Porto Rico).

Nycticorax violacea D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 213 (1840).

Nycticorax violaceus BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 120 (1859) (Bahamas); *ib.* BREWER, p. 308 (1860) (Cuba).—SCL. P. Z. S. 1861, pp. 70, 81 (Jamaica).—ALBRECHT, J. f. O. 1862, p. 206 (Jamaica).—SCL. P. Z. S. 1871, p. 273 (Santa Lucia).—A. & E. NEWTON, Handb. Jamaica, p. 111 (1881).—CORY, Auk, III, p. 502 (1886) (Grand Cayman).

Nyctherodius violaceus A. & E. NEWTON, Ibis, 1859, p. 262 (St. Croix).—CASSIN, Pr. Acad. Nat. Sci. Phila. 1860, p. 379 (St. Thomas); *ib.* MARCH, 1864, p. 65 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 351 (1866).—LAWR. Ann. Lyc. N. Y. VIII, p. 98 (1867) (Sombrero).—GUNDL. J. f. O. 1875, p. 311 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 363 (1878) (Porto Rico).—WELLS, List Bds. Grenada, p. 9 (1886).

Nyctiardea violacea LAW. Pr. U. S. Nat. Mus. I, p. 275 (1878) (Grenada); *ib.* p. 460 (Guadeloupe).—ALLEN, Bull. Nutt. Orn. Club, V, p. 169 (1880) (Santa Lucia).—CORY, Bds. Bahama I. p. 173 (1880); *ib.* List Bds. W. I. p. 28 (1885).

Common in many portions of the West Indies. It has been recorded from the Bahamas, Cuba, Jamaica, Porto Rico, Grenada, Guadeloupe, Santa Lucia, St. Thomas, St. Bartholomew, Sombrero, St. Croix, and Grand Cayman.

Nycticorax nycticorax nævius (BODD.).

- Ardea nævia* BODD. Tabl. Pl. Enl. 1783, p. 56.
Nycticorax vulgaris D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 208 (1840).
Nycticorax americanus GOSSE, Bds. Jam. p. 344 (1847). — ALBRECHT, J. f. O. 1862, p. 206 (Jamaica).
Nycticorax gardeni BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—GUNDL. J. f. O. 1862, p. 83 (Cuba).—A. & E. NEWTON, Handb. Jamaica, p. 111 (1881).
Nyctiardea gardeni MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 65 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 350 (1866); *ib.* J. f. O. 1875, p. 310 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 362 (1878) (Porto Rico).
Ardea nycticorax SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 602 (Porto Rico).
Nyctiardea grisea nævia CORY, List Bds. W. I. p. 28 (1885).
Nycticorax nycticorax nævius ZELEDON, Pr. U. S. Nat. Mus. VIII, p. 113 (1885).

Recorded from Greater Antilles.

GENUS Botaurus STEPH.

Botaurus STEPHENS, Shaw's Gen. Zool. XI, p. 592, 1819.

Botaurus lentiginosus (MONT.).

- Ardea lentiginosa* MONT. Orn. Dict. Suppl. '1813.—LEMB. Aves Cuba, p. 82 (1850).
Botaurus minor GOSSE, Bds. Jam. p. 346 (1847).—ALBRECHT, J. f. O. 1862, p. 206 (Jamaica).—GUNDL. J. f. O. 1862, p. 83 (Cuba).
Botaurus lentiginosus BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 65 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 350 (1866); *ib.* J. f. O. 1874, p. 313 (Porto Rico); *ib.* 1875, p. 309 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 361 (1878) (Porto Rico).—A. & E. NEWTON, Handb. Jamaica, p. 111 (1881).—CORY, List Bds. W. I. p. 28 (1885).

Accidental in Cuba, Jamaica, and Porto Rico.

GENUS Ardetta GRAY.

Ardetta GRAY, List of Gen. App. p. 13, 1842.

***Ardetta exilis* (GMEL.).**

Ardea exilis GMEL. Syst. Nat. I, p. 648 (1788).—D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 205 (1840).—BRYANT, Pr. Bost. Soc. Nat. Hist. X, p. 257 (1866) (Porto Rico).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 602 (Porto Rico).

Ardeola exilis GOSSE, Bds. Jam. p. 343 (1847).

Ardetta exilis BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—SCL. P. Z. S. 1861, p. 81 (Jamaica).—ALBRECHT, J. f. O. 1862, p. 206 (Jamaica).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 64 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 350 (1866); *ib.* J. f. O. 1875, p. 308 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 360 (1878) (Porto Rico).—CORY, Bds. Bahama I. p. 174 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 111 (1881).—CORY, List Bds. W. I. p. 28 (1885).

Recorded from the Bahamas, Cuba, Jamaica, and Porto Rico.

FAMILY GRUIDÆ.

GENUS *Grus* LINN.

Grus LINNÆUS, Syst. Nat. 1735.

***Grus mexicana* MÜLL.**

Grus mexicana MÜLL. Syst. Nat. Suppl. p. 110 (1776).—CORY, List Bds. W. I. p. 29 (1885).

Grus poliophæa LEMB. Aves Cuba. p. 80 (1850).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).

Grus canadensis GUNDL. J. f. O. 1856, p. 339 (Cuba); *ib.* 1862, p. 81 (Cuba).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba)?—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 347 (1866); *ib.* J. f. O. 1875, p. 293 (Cuba).

Accidental in Cuba.

FAMILY ARAMIDÆ.

GENUS *Aramus* VIEILL.

Aramus VIEILLOT, Analyse, 1816.

***Aramus giganteus* (BONAP.).**

Rallus giganteus BP. Journ. Acad. Nat. Sci. Phila. V, p. 31 (1825).

Aramus guarauana D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 256 (1840).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).

- Aramus scolopaceus* GOSSE, Bds. Jam. p. 355 (1847).—SALLÉ, P. Z. S. 1857, p. 236 (San Domingo).
- Aramus giganteus* SCL. P. Z. S. 1861, p. 81 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 360 (1866).—BRYANT, Pr. Bost. Soc. Nat. Hist. X, p. 257 (1866) (Porto Rico); *ib.* XI, p. 97 (1867) (San Domingo).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 601 (Porto Rico).—GUNDL. J. f. O. 1875, p. 353 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 387 (1878) (Porto Rico).—A. & E. NEWTON, Handb. Jamaica, p. 115 (1881).—CORY, List Bds. W. I. p. 29 (1885).
- Notherodius scolopaceus* GUNDL. J. f. O. 1862, p. 89 (Cuba).
- Aramus scolopaceus giganteus* CORY, Bull. Nutt. Orn. Club, VI, p. 155 (1881) (Haiti).
- Aramus pictus* CORY, Bds. Haiti and San Domingo, p. 157 (1885).

Common in the Greater Antilles.

FAMILY JACANIDÆ.

GENUS *Jacana* BRISS.

Jacana BRISSON, Orn. V, p. 121 (1760).

Jacana violacea (CORY).

- Parra jacana* D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 249 (1840).—GUNDL. J. f. O. 1856, p. 425 (Cuba).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—GUNDL. J. f. O. 1862, p. 89 (Cuba); *ib.* Repert. Fisico-Nat. Cuba, I, p. 360 (1866); *ib.* J. f. O. 1875, p. 338 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 385 (1878) (Porto Rico)?
- Parra violacea* CORY, Bull. Nutt. Orn. Club, VI, pp. 130, 155 (1881) (Haiti); *ib.* List Bds. W. I. p. 29 (1885).
- Parra gymnostoma* CORY, Bds. Haiti & San Domingo, p. 159 (1885).

SP. CHAR. *Male*:—Bill and comb pale orange; bare skin at the base of the lower mandible pale bluish white; head, neck, and upper breast dark lustrous green; back and wing-coverts purple, shading into rich golden brown near the rump; rump and tail-coverts purple; underparts dark purple, showing a tinge of dark rufous on the crissum; most of the primaries and secondaries bright yellow, edged with brown; tail rufous brown; carpal spur pale orange; legs and feet dull olive; iris brown.

Length, 9; wing, 5.50; tail, 2.25; tarsus, 2.25; bill, 1.40

HABITAT. Cuba, Haiti, and San Domingo.

Since the publication of the 'Birds of Haiti and San Domingo,' I have examined several specimens of *Facana* from Cuba, and they agree exactly with the San Domingo bird, but all are considerably larger and brighter than specimens of *F. gymnostoma*; the coloration of the wattles is, I believe, also different. I have, therefore, restored the West Indian bird to the rank of a species pending further investigation.

FAMILY RALLIDÆ.

GENUS *Rallus* LINN.

Rallus LINNÆUS, Syst. Nat. I, p. 261, 1766.

Rallus maculatus BODD.

Rallus maculatus BODD. ex Buff. Pl. Enl. p. 775 (1783). — SCHLEG. Mus. Pays-Bas, Ralli, p. 13 (1865). — SCL. & SAL. P. Z. S. 1868, p. 444; *ib.* Nom. Avium Neotr. p. 139 (1873). — CORY, List Bds. W. I. p. 29, (1885).

Rallus variegatus GMEL. Syst. Nat. I, p. 718 (1788). — BURM. Syst. Ueb. III, p. 382. — D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 261 (1840). — BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860).

Aramides maculatus HARTL. Ind. Az. p. 23. — GRAY. Gen. Bds. p. 594 (1844-49).

Pardirallus variegatus BP. Compt. Rend. XLIII, p. 599. — GRAY, Handl. Bds. III, p. 56 (1871).

Limnopardalus variegatus GUNDL. J. f. O. 1856, p. 428; *ib.* Repert. Fisico-Nat. Cuba, I, p. 361 (1866); *ib.* J. f. O. 1875, p. 357.

SP. CHAR. — General plumage dull black; feathers on the back heavily marked with brown; whole body heavily blotched and mottled with white; rump brown; thighs smoky brown, marked with white above; chin nearly white; legs (in skin) pale yellow; bill green; a spot of scarlet on the base of the lower mandible.

Length (skin), 12; wing, 4.75; tail, 3; tarsus, 1.50; bill, 1.95.

Recorded from Cuba.

Rallus elegans AUD.

Rallus elegans AUD. Orn. Biog. III, p. 27 (1835). — GUNDL. J. f. O. 1856, p. 427 (Cuba). — BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba). — GUNDL. Repert. Fisico-Nat. Cuba, I, p. 360 (1866); *ib.* J. f. O. 1875, p. 355 (Cuba). — CORY, List Bds. W. I. p. 29 (1885).

Accidental in Cuba.

Rallus virginianus LINN.

Rallus virginianus LINN. Syst. Nat. I, p. 263 (1766).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 361 (1866); *ib.* J. f. O. 1875, p. 357 (Cuba).—CORY, List Bds. W. I. p. 29 (1885).

Accidental in Cuba.

Rallus longirostris crepitans (GMEL.).

Rallus crepitans GMEL. Syst. Nat. I, p. 713 (1788). — BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859) (Bahamas).

Rallus longirostris CORY, Bds. Bahama I. p. 176 (1880).

Rallus longirostris crepitans RIDGW. Bull. Nutt. Orn. Club, V, p. 140 (1880).—CORY, List Bds. W. I. p. 29 (1885).

Bahamas in winter.

Rallus longirostris caribæus RIDGW.

Rallus longirostris D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 260 (1840). — GOSSE, Bds. Jam. p. 364 (1847).—A. & E. NEWTON, Ibis, 1859, p. 260.—CASSIN, Pr. Acad. Nat. Sci. Phila. 1860, p. 378. — A. & E. NEWTON, Handb. Jamaica, p. 114 (1881).

Rallus crepitans BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860).—SCL. P. Z. S. 1861, p. 81.—ALBRECHT, J. f. O. 1862, p. 206.—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 361 (1866); *ib.* J. f. O. 1875, p. 356; *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 388 (1878).—LAWR. Pr. U. S. Nat. Mus. I, pp. 461, 487 (1878).

“*Rallus elegans* MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 69”?

Rallus longirostris var. *caribæus* RIDGW. Bull. Nutt. Orn. Club, V, p. 140 (1880). — BD. BWR. & RIDGW. Hist. N. Am. W. Bds. I, p. 359 (1884).

Rallus longirostris caribæus CORY, List Bds. W. I. p. 29 (1885).

This form is very closely allied to the North American bird; the principal difference being that those from the West Indies usually show olivaceous striping on the back, more or less distinct.

HABITAT. Antilles.

Rallus coryi MAYNARD.

Rallus coryi MAYNARD, American Exchange and Mart, Boston, Jan. 15 (1887); *ib.* Feb. 5 (1887).

SP. CHAR. — “Above pale yellowish brown, streaked with pale ashy; wings light reddish, becoming paler on the outer edges; beneath pale

ashy tinged with reddish across the breast, becoming white on the throat and abdomen, banded faintly on sides and flanks with white and pale ashly." (Maynard, orig. descr., l. c.)

Length, 11.50; wing, 6; tail, 2.10; tarsus, 1.75; bill, 2.15.

HABITAT. Andros Island, Bahamas.

GENUS *Porzana* VIEILL.

Porzana VIEILLOT, Analyse, p. 61, 1816.

Porzana concolor (GOSSE).

Rallus concolor GOSSE, Bds. Jam. p. 369 (1847).—ALBRECHT, J. f. O. 1862, p. 206.—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 69.

Corethrura cayennensis MOORE, P. Z. S. 1859, p. 64.—SCL. & SALV. Ibis, 1859, p. 230.

Corethrura gualemalensis LAWR. Pr. Acad. Nat. Sci. Phila. 1863, p. 106.

Rallina castanea SCHLEG. Mus. Pays-Bas, Ralli, p. 17 (1865).

Porzana concolor SCL. & SALV. P. Z. S. 1868, p. 452; *ib.* Nom. Avium Neotr. p. 140 (1873).—A. & E. NEWTON, Handb. Jamaica, p. 114 (1881).—CORY, List Bds. W. I. p. 30 (1885).

Rufirallus concolor GRAY, Handl. Bds. III, p. 61 (1871).

SP. CHAR. *Male*.:—Head dark olive, showing a tinge of rufous on the forehead; back olive, shading into rufous brown on the wing-coverts; sides of the head pale reddish brown, brightest on the cheeks; chin white, shading into clear reddish brown on the lower throat and breast, rest of underparts reddish brown; under surface of wings dull slate color.

The sexes are similar.

Length (skin), 9.25; wing, 5.25; tarsus, 1.75; bill, 1.10.

HABITAT. Jamaica.

Porzana flaviventris (BODD.).

Rallus flaviventer "BODD. Pl. Enl. (1783)."

Rallus minutus GMEL. Syst. Nat. I, p. 719 (1788).—LEMB. Aves Cuba, p. 109 (1850).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860).

Ortygometra minuta BURM. Syst. Ueb. III, p. 388.—GOSSE, Bds. Jam. p. 372 (1847).

Rallus superciliaris VIEILL. Nouv. Dict. XXVIII, p. 565.

Ortygometra flaviventris GRAY, Gen. Bds. III, p. 593 (1844-49).—HARTL. Ind. Az. p. 24.

Lateralis gosse BP. Compt. Rend. XLIII, p. 599 (1856).

Erythra minuta BP. Compt. Rend. XLIII, p. 600 (1856).

Crybastus gossii CAB. J. f. O. 1856, p. 428.—GUNDL. Repert. Físico-Nat. Cuba, I, p. 361 (1866); *ib.*, J. f. O. 1875, p. 358.

Crex minuta SCL. P. Z. S. 1861, p. 81.

- Porzana minuta* MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 69.
Porzana flaviventer SCHLEG. Mus. Pays-Bas, I, p. 31 (1865).—A. & E. NEWTON, Handb. Jamaica, p. 114 (1881).
Porzana flaviventris SCL. & SALV. P. Z. S. 1868, p. 455; *ib.* Nom. Avium Neotr. p. 140 (1873).—CORY, List Bds. W. I. p. 30 (1885).
Crybastus minutus GRAY, Handl. Bds. III, p. 61 (1871).

SP. CHAR.—Top of head and a line through the eye, from the bill, dark brown, darkest on the crown, and shading into light brown on the back of the neck; middle back dark brown and black, streaked with white; rump and upper tail-coverts chestnut brown, sometimes touched with white; tail-feathers black, edged with brown, and dotted with white; wing-coverts light cinnamon-brown; scapularies marked with black and white; quills pale brown; outer web of first primaries dull white; underparts white; throat white, tinged with very pale yellowish brown; flanks barred with white and black; bill dark.

Length (skin), 5.75; wing, 2.75; tail, 1.15; tarsus, .85; bill, .60.

HABITAT. Cuba and Jamaica.

Porzana jamaicensis (GMEL.).

- Pallus jamaicensis* GMEL. Syst. Nat. I, p. 718 (1788).
Ortygometra jamaicensis GOSSE, Bds. Jam. p. 375 (1847).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).
Cycyciscus jamaicensis GUNDL. J. f. O. 1856, p. 428 (Cuba); *ib.* 1875, p. 360 (Cuba); *ib.* 1881, p. 401 (Cuba).
Porzana jamaicensis SCL. P. Z. S. 1861, p. 81 (Jamaica).—ALBRECHT, J. f. O. 1862, p. 206 (Jamaica).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 69 (Jamaica).—A. & E. NEWTON, Handb. Jamaica, p. 114 (1881).—CORY, List Bds. W. I. p. 30 (1885).

Recorded from Cuba and Jamaica.

Porzana carolina (LINN.).

- Rallus carolinus* LINN. Syst. Nat. I, p. 363 (1766).—D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 262 (1840).—BRYANT, Pr. Bost. Soc. Nat. Hist. X, p. 257 (1866) (Porto Rico).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 587 (St. Bartholomew); *ib.* p. 601 (Porto Rico).
Ortygometra carolina GOSSE, Bds. Jam. p. 371 (1847).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).
Porzana carolina GUNDL. J. f. O. 1856, p. 428 (Cuba).—A. & E. NEWTON, Ibis, 1859, p. 260 (St. Croix).—SCL. P. Z. S. 1861, p. 81 (Jamaica).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 69 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 361 (1866).—BRACE, Pr. Bost. Soc. Nat. Hist. XIX, p. 241 (1877) (Bahamas).—GUNDL. J. f. O. 1875, p. 358 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 390 (1878) (Porto

Rico).—CORY, Bds. Bahama I. p. 176 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 114 (1881).—CORY, List Bds. W. I. p. 30 (1885).—WELLS, List Bds. Grenada, p. 9 (1886).

This species is found throughout the West Indies; numerous references from the Bahamas and Antilles.

Porzana noveboracensis (GMEL.).

Fulica noveboracensis GMEL. Syst. Nat. I, p. 701 (1788).

Porzana noveboracensis BD. BWR. & RIDGW. Hist. N. Am. W. Bds. I, p. 375 (1884) (Cuba).—CORY, List Bds. W. I. p. 30 (1885).

Accidental in Cuba.

GENUS Gallinula BRISS.

Gallinula BRISSON, Orn. VI, p. 3, 1760.

Gallinula galeata (LICHT.).

Crex galeata LICHT. Verz. Doubl. p. 826 (1823).

Gallinula chloropus D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 268 (1840).

Gallinula galeata GOSSE, Bds. Jam. p. 381 (1847).—SALLÉ, P. Z. S. 1857, p. 237 (San Domingo).—A. & E. NEWTON, Ibis, 1859, p. 260 (St. Croix).—BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859) (Bahamas); *ib.* BREWER, p. 307 (1860) (Cuba).—CASSIN, Pr. Acad. Nat. Sci. Phila. 1860, p. 378 (St. Thomas).—SCL. P. Z. S. 1861, p. 81 (Jamaica).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 69 (Jamaica).—BRYANT, Pr. Bost. Soc. Nat. Hist. X, p. 257 (1866) (Porto Rico).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 601 (Porto Rico).—GUNDL. J. f. O. 1875, p. 360 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII. p. 391 (1878) (Porto Rico).—LAWR. Pr. U. S. Nat. Mus. I, p. 276 (1878) (Grenada); *ib.* p. 461 (Guadeloupe).—ALLEN, Bull. Nutt. Orn. Club, V, p. 169 (1880) (Santa Lucia).—CORY, Bds. Bahama I. p. 177 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 115 (1881).—CORY, Bull. Nutt. Orn. Club, VI, p. 155 (1881) (Haiti); *ib.* Bds. Haiti & San Domingo, p. 161 (1885); *ib.* List Bds. W. I. p. 30 (1885).—WELLS, List Bds. Grenada, p. 9 (1886).—CORY, Auk, III, p. 502 (1886) (Grand Cayman); *ib.* Ibis, 1886, p. 474 (Marie Galante).

Galinuela galeata GUNDL. Repert. Fisico-Nat. Cuba, I, p. 362 (1866).

Common in the Bahamas and Antilles.

GENUS Ionornis REICH.

Ionornis REICHENBACH, Syst. Av. p. 21, 1853.

Ionornis martinica (LINN.).

- Fulica martinica* LINN. Syst. Nat. I. p. 259 (1766).
Porphyrio martinica D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 265 (1840).—GOSSE, Bds. Jam. p. 377 (1847).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 307 (1860) (Cuba).—CORY, Bds. Bahama I. p. 178 (1880); *ib.* Bull. Nutt. Orn. Club, VI, p. 155 (1881) (Haiti).
Gallinula martinica BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859) (Bahamas); *ib.* X, p. 257 (1866) (Porto Rico).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 69 (Jamaica).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 601 (Porto Rico).
Porphyrio martinicus SCL. P. Z. S. 1861. p. 81 (Jamaica); *ib.* 1872, p. 653 (Santa Lucia).—LAWR. Pr. U. S. Nat. Mus. I, p. 197 (1878) (St. Vincent); *ib.* p. 487 (Dominica).—ALLEN, Bull. Nutt. Orn. Club, V, p. 169 (1880) (Santa Lucia).—A. & E. NEWTON, Handb. Jamaica, p. 115 (1881).
Porphyrio martinica GUNDL. Repert. Fisico-Nat. Cuba, I, p. 362 (1866); *ib.* J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 361 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 392 (1878) (Porto Rico).
Ionornis martinica CORY, Bds. Haiti & San Domingo, p. 162 (1885); *ib.* List Bds. W. I. p. 30 (1885).—WELLS, List Bds. Grenada, p. 9 (1886).

Common in the Bahamas and Antilles.

GENUS *Fulica* LINN.

Fulica LINNÆUS, Syst. Nat. 1735; *ib.* I, p. 152, 1758.

***Fulica americana* GMEL.**

- Fulica americana* GMEL. Syst. Nat. I, p. 704 (1788).—GOSSE, Bds. Jam. p. 384 (1847).—A. & E. NEWTON, Ibis, 1859, p. 260 (St. Croix)?—BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859) (Bahamas); *ib.* BREWER, p. 307 (1860) (Cuba).—SCL. P. Z. S. 1861, p. 81 (Jamaica).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 69 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 363 (1866).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 587 (St. Bartholomew); *ib.* p. 601 (Porto Rico).—GUNDL. J. f. O. 1875, p. 363 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 394 (1878) (Porto Rico).—CORY, Bds. Bahama I. p. 178 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 115 (1881).—CORY, Bull. Nutt. Orn. Club, VI, p. 155 (1881) (Haiti); *ib.* Bds. Haiti & San Domingo, p. 163 (1885); *ib.* List Bds. W. I. p. 30 (1885).—WELLS, List Bds. Grenada, p. 9 (1886).
Fulica atra D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 211 (1840).

Common in the Bahamas and Antilles.

Fulica caribæa RIDGW.

Fulica caribæa RIDGW. Pr. U. S. Nat. Mus. VII, p. 358 (1884). — CORY, List Bds. W. I. p. 30 (1885).

“SP. CHAR.—Similar to *F. americana*, but differing in the slenderer bill and in the form and color of the frontal shield. Frontal shield oval or elliptical, much wrinkled, .70-.90 inch long, and .35-.50 wide, in the breeding season; its color, pale brownish (whitish in life?) instead of chestnut or liver brown, as in *F. americana*.” (Ridgw. l. c. orig. descr.).

HABITAT. Guadeloupe and St. John.

FAMILY ANATIDÆ.

GENUS *Anser* BRISS.

Anser BRISSON, Orn. 1760.

Anser albifrons gambeli.

Anser albifrons LEMB. Aves Cuba, p. 112 (1850).—CORY, List Bds. W. I. p. 30 (1885).

Anser gambeli HARTL. Rev. Mag. Zool. 1852, p. 7.—CAB. J. f. O. 1857, p. 226 (Cuba).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).

Anser gambelii GUNDL. Repert. Fisico-Nat. Cuba. I. p. 387 (1866); *ib.* J. f. O. 1875, p. 375 (Cuba).—CORY, List Bds. W. I. p. 30 (1885).

Accidental in Cuba in winter.

GENUS *Chen* BOIE.

Chen BOIE, Isis, 1822, p. 563.

Chen hyperborea (PALL.).

Anser hyperboreus PALL. Spic. Zool. VI, pp. 80, 25 (1769).—LEMB. Aves Cuba, p. 111 (1850).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 70 (Jamaica).—CORY, Bds. Bahama I. p. 182 (1880).

Chen hyperboreus GOSSE, Bds. Jam. p. 408 (1847).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba. I, p. 387 (1866); *ib.* J. f. O. 1875, p. 371 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 399 (1878) (Porto Rico).—A. & E. NEWTON, Handb. Jamaica. p. 112 (1881).—CORY, List Bds. W. I. p. 30 (1885).

Accidental in Bahamas, Cuba, Jamaica and Porto Rico.

Chen cærulescens (LINN.).

Anas cærulescens LINN. Syst. Nat. I, 10th ed. p. 124 (1758); *ib.* 12th ed. p. 198 (1766).

Chen cærulescens GUNDL. Repert. Fisico-Nat. Cuba, I, p. 387 (1866); *ib.* J. f. O. 1875, p. 374 (Cuba).—CORY, List. Bds. W. I. p. 30 (1885).

Anser cærulescens BRYANT, Pr. Bost. Soc. Nat. Hist. XI, p. 70 (1867) (Bahamas).

Recorded from the Bahamas and Cuba. Possibly not separable from the preceding species, of which it may prove to be a race.

GENUS Branta SCOPOLI.

Branta SCOPOLI. Ann. i Hist. Nat. p. 67, 1769.

Branta canadensis (LINN.).

Anas canadensis LINN. Syst. Nat. I, p. 198 (1766).

Branta canadensis BANNISTER, Pr. Acad. Nat. Sci. Phila. 1870, p. 131.

Bernicla canadensis A. & E. NEWTON, Handb. Jamaica, p. 112 (1881).—CORY, Revised List Bds. W. I. p. 30 (1886).

Recorded from Jamaica.

GENUS Dendrocygna SWAINS.

Dendrocygna SWAINSON, Classif. Birds, II, p. 365, 1837.

Dendrocygna arborea (LINN.).

Anas arborea LINN. Syst. Nat. I, p. 207 (1766).—GMEL. Syst. Nat. I, p. 540 (1788).—VIEILL. Enc. Méth. p. 141 (1823).—D'ORB. in La Sagra's Hist. Nat. Cuba, I, p. 291 (1840).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 603.

Anas jacquini GMEL. Syst. Nat. I, p. 536 (1788).

Dendrocygna arborea EYTON, Mon. Anat. p. 110 (1838).—GOSSE, Bds. Jam. p. 395 (1847).—CAB. J. f. O. 1857, p. 227.—A. & E. NEWTON, Ibis, 1859, p. 366.—BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859); *ib.* XI, p. 70 (1866).—ALBRECHT, J. f. O. 1862, p. 206.—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 70.—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 387 (1866); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 400 (1878).—SCL. & SALV. P. Z. S. 1876, p. 375.—CORY, Bds. Bahama I. p. 183 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 112 (1881).—CORY, Bds. Haiti & San Domingo, p. 166 (1885); *ib.* List Bds. W. I. p. 30 (1885).—BD. BWR. & RIDGW. Hist. N. Am. W. Bds. I, p. 480 (1884).

Dendrocygnus arborea BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860).

Dendrocygna autumnalis? TAYLOR, Ibis, 1864, p. 172.

SP. CHAR. *Male*:—Head with black band on the crown, continuing in narrow stripes to the nape; forehead and over the eye reddish brown, shading into dull white on the throat, and mottled brown and white on the sides of the head and neck; breast and upper parts brown, the feathers broadly edged with tawny; rump and tail black; underparts brownish white, heavily spotted and banded upon the sides, the spots becoming very small and faint upon the abdomen; most of the primaries slate-color, becoming brownish at the tips; legs and bill black.

Length, 21.00; wing, 11.25; tarsus, 2.60; bill 2.00.

HABITAT. Bahamas and Antilles.

Dendrocygna autumnalis (LINN.).

Anas autumnalis LINN. Syst. Nat. I, p. 205 (1766).

Dendrocygna autumnalis GOSSE, Bds. Jam. p. 398 (1847).—ALBRECHT, J. f. O. 1862, p. 206 (Jamaica).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 70 (Jamaica).—A. & E. NEWTON, Handb. Jamaica, p. 112 (1881).—CORY, List Bds. W. I. p. 30 (1885).

Accidental in Jamaica.

Dendrocygna viduata (LINN.).

Anas viduata LINN. Syst. Nat. I, p. 205 (1766).—GMEL. Syst. Nat. I, p. 536 (1788).—VIEILL. Enc. Méth. p. 132 (1823).

Dendrocygna viduata EYTON, Mon. Anat. p. 110 (1838).—ALBRECHT, J. f. O. 1861, p. 214.—GUNDEL. Repert. Fisico-Nat. Cuba, I, p. 388 (1866); *ib.* J. f. O. 1875, p. 377.—SCL. & SALV. P. Z. S. 1876, p. 376.—BD. BWR. & RIDGW. Hist. N. Am. W. Bds. I, p. 481 (1884).—CORY, List Bds. W. I. p. 30 (1885).

Dendrocygnus viduata BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860).

SP. CHAR. *Male*:—Entire front of head, including eye, cheeks and chin, white, tinged with brown; a patch of white on the middle of the throat, connecting with the white upper throat and chin by a narrow white line; rest of head and neck black; breast and upper back rufous brown; sides of the body thickly banded with narrow black and white lines; centre of the belly and lower breast black; feathers on the back edged with tawny; wings black; carpus and shoulder chestnut brown; wing-coverts showing an olive tinge; bill black; feet black.

The sexes are similar.

Length, 19.00; wing, 9.00; tail, 4.00; tarsus, 2.00; bill, 2.00.

Given by authors as occurring in Cuba; by some, claimed to have been introduced.

GENUS *Anas* LINN.

Anas LINNÆUS, Syst. Nat. I, 10th ed. p. 122, 1758; *ib.* 12th ed. p. 194, 1766.

Anas strepera LINN.

Anas strepera LINN. Syst. Nat. I, 10th ed. p. 125 (1758); *ib.* 12th ed. p. 200 (1766).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 72 (Jamaica).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).

Chaulelasmus streperus GOSSE, Bds. Jam. p. 408 (1847).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 389 (1866); *ib.* J. f. O. 1875, p. 381 (Cuba).

Anas streperus CORY, List Bds. W. I. p. 30 (1885).

Cuba and Jamaica in winter.

Anas boschas LINN.

Anas boschas LINN. Syst. Nat. I, p. 205 (1766).—GOSSE, Bds. Jam. p. 408 (1847).—BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859) (Bahamas); *ib.* BREWER, p. 308 (1860) (Cuba).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 72 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 388 (1866); *ib.* J. f. O. 1875, p. 378 (Cuba).—CORY, Bds. Bahama I. p. 184 (1880); *ib.* List Bds. W. I. p. 30 (1885).—WELLS, List Bds. Grenada, p. 10 (1886).

Anas boschas A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).

Accidental in Cuba, the Bahamas, Jamaica, and Grenada.

Anas obscura GMEL.

Anas obscura GMEL. Syst. Nat. I, p. 541 (1788).—GOSSE, Bds. Jam. p. 408 (1847).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 72 (Jamaica).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).—BD. BWR. & RIDGW. Hist. N. Am. W. Bds. I, p. 499 (1884) (Cuba?).—CORY, Revised List Bds. W. I. p. 30 (1886).

Anas fulvigula? CORY, List Bds. W. I. p. 30 (1885).

Cuba? Jamaica.

It is uncertain whether the Dusky Duck which, it is claimed, occurs in Jamaica, is *Anas fulvigula* Ridgw. or this species. Both occur in Florida.

Anas maxima, described by Gosse (Bds. Jam. p. 399, 1847), is supposed to be a hybrid.

GENUS *Dafila* STEPH.

Dafila STEPHENS, Shaw's Gen. Zool. XII, p. 126, 1824.

Dafila bahamensis (LINN.).

Anas bahamensis LINN. Syst. Nat. I, p. 199 (1766).—GMEL. Syst. Nat. I, p. 516 (1788).—MAX. Beitr. p. 925 (1831).—SUNDEV. Oefv. K Vet. Akad. For. 1869, p. 591.

Anas rubirostris VIEILL. Nouv. Dict. V, p. 108 (1816).

Anas ilathera VIEILL. Enc. Méth. p. 152 (1823).

Anas urophasianus VIG. Zool. Journ. IV, p. 357 (1829).

Phasianurus vigorsii WAGL. Isis, 1832, p. 1235.

Anas fimbriata MERREM, Ersch u. Gruber's Ency. sect. 1, XXXV, p. 35.

Dafila urophasianus EYTON, Mon. Anat. p. 112 (1838).

Peocilonetta bahamensis EYTON, Mon. Anat. p. 116 (1838).—GOSSE, Bds. Jam. p. 408 (1847).—SCL. P. Z. S. 1860, p. 389.—ABBOTT, Ibis, 1861, p. 160.—ALBRECHT, J. f. O. 1862, p. 207.—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 71.—GUNDL. J. f. O. 1874, p. 314; *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 403 (1878); *ib.* J. f. O. 1881, p. 400.

Dafila bahamensis HARTL. Ind. Az. p. 27 (1847).—CAB. in Schomb. Guian. III, p. 763 (1848).—SCL. & SALV. P. Z. S. 1876, p. 393.—LAWR. Pr. U. S. Nat. Mus. I, p. 487 (1878).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).—CORY, Bds. Bahama I. p. 185 (1880); *ib.* Bds. Haiti & San Domingo, p. 167 (1885); *ib.* List Bds. W. I. p. 31 (1885).

SP. CHAR. *Male*.—General plumage tawny, mottled and streaked with brown; wings banded with lustrous green, black and tawny, in the order given; top of head and nape brown, finely mottled with dark brown; rest of head and throat white; a triangular patch on each side of the upper mandible lake red; tail tawny, becoming pale at the tip; legs black.

Length, 19.00; wing, 8.00; tail, 4.75; tarsus, 1.25; bill, 1.95.

HABITAT. Bahamas and Antilles.

Dafila acuta (LINN.).

Anas acuta LINN. Syst. Nat. I, p. 202 (1766).—LEMB. Aves Cuba, p. 113 (1850).

Dafila acuta GOSSE, Bds. Jam. p. 408 (1847).—CAB. J. f. O. 1857, p. 227 (Cuba).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 71 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 388 (1860); *ib.* J. f. O. 1875, p. 378 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 402 (1878) (Porto Rico).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).—CORY, List Bds. W. I. p. 31 (1885).

Recorded from Cuba, Jamaica, and Porto Rico.

GENUS *Mareca* STEPH.

Mareca STEPHENS, Shaw's Gen. Zool. XII, pt. II, p. 130, 1824.

***Mareca americana* (GMEL.).**

Anas americana GMEL. Syst. Nat. II, p. 526 (1788).—D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 293 (1840).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 603 (Porto Rico).

Mareca americana GOSSE. Bds. Jam. p. 408 (1847).—CAB. J. f. O. 1857, p. 227 (Cuba). — BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—NEWTON, Ibis, 1860, p. 308 (St. Thomas).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 71 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 388 (1866); *ib.* J. f. O. 1875, p. 378 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 402 (1878) (Porto Rico).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).—CORY, List Bds. W. I. p. 31 (1885).

Accidental in winter in the West Indies; records from Cuba, Jamaica, Porto Rico, and St. Thomas.

Cairina moschata is given by numerous writers from Cuba and Jamaica. It is claimed to have been introduced.

GENUS *Querquedula* STEPH.

Querquedula STEPHENS, Shaw's Gen. Zool. XII, p. 149, 1824.

***Querquedula discors* (LINN.).**

Anas discors LINN. Syst. Nat. I, p. 205 (1766).—D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 294 (1840).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 591 (St. Bartholomew); *ib.* p. 603 (Porto Rico).

Cyanopterus discors GOSSE, Bds. Jam. p. 401 (1847).

Cyanopterus inornatus GOSSE, Bds. Jam. p. 402 (1847).—ALBRECHT, J. f. O. 1862, p. 206 (Jamaica).

Querquedula discors SALLÉ, P. Z. S. 1857, p. 237 (San Domingo).—BRYANT, Pr. Bost. Soc. Nat. Hist. VII, b. 122 (1859) (Bahamas).—SCL. P. Z. S. 1861, p. 82 (Jamaica).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 71 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 389 (1866).—LAWR. Ann. Lyc. N. Y. VIII, p. 101 (1867) (Sombrero).—GUNDL. J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 380 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 404 (1878) (Porto Rico).—CORY, Bds. Bahama I. p. 186 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).—CORY, Bds. Haiti & San Domingo, p. 168 (1885).—CORY, List Bds. W. I. p. 31 (1885).—WELLS, List Bds. Grenada, p. 10 (1886).

Pterocyanea discors BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).

Querquedula inornata MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 71 (Jamaica).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).

Anas (*Querquedula*) *discors* BRYANT, Pr. Bost. Soc. Nat. Hist. XI, p. 97 (1867) (San Domingo).

Abundant throughout the Bahamas and Antilles.

Querquedula carolinensis (GMEL.).

Anas carolinensis GMEL. Syst. Nat. I, p. 533 (1788).—LEMB. Aves Cuba, p. 114 (1850).

Querquedula carolinensis GOSSE, Bds. Jam. p. 408 (1847).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—GUNDL. J. f. O. 1862, p. 92 (Cuba).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 72 (Jamaica).—CORY, Bds. Bahama I. p. 187 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).—CORY, List Bds. W. I. p. 31 (1885).—WELLS, List Bds. Grenada, p. 10 (1886).

Nettion carolinensis BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859) (Bahamas).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 389 (1866); *ib.* J. f. O. 1875, p. 381 (Cuba).

This species has been taken in winter in the Bahama Islands, Cuba, Jamaica, and Grenada.

Querquedula cyanoptera is given by Brewer as occurring in Cuba (Pr. Bost. Soc. Nat. Hist. VII, p. 308, 1860). If the species in question was correctly identified, it is of rare occurrence in the West Indies.

Nyroca ferruginea is given by W. T. March, as occurring in Jamaica (Pr. Acad. Nat. Sci. Phila. 1864, p. 72). This record is undoubtedly incorrect. The bird in question was probably some other species wrongly identified, possibly *Querquedula cyanoptera*.

GENUS *Spatula* BOIE.

Spatula BOIE. Isis, 1822, p. 564.

Spatula clypeata (LINN.).

Anas clypeata LINN. Syst. Nat. I, 10th ed. p. 124 (1758); *ib.* 12th ed. p. 200 (1766).—LEMB. Aves Cuba, p. 115 (1856).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 603 (Porto Rico).

Anas mexicana D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 299 (1840).

Rhynchaspis clypeata GOSSE, Bds. Jam. p. 408 (1847).

Rhynchaspis clypeata BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).

- Spatula clypeata* NEWTON, Ibis, 1860, p. 308 (St. Thomas).—SCL. P. Z. S. 1861, p. 82 (Jamaica).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 71 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 389 (1866); *ib.* J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 379 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 404 (1878) (Porto Rico).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).—CORY, List Bds. W. I. p. 31 (1885).
- Querquedula clypeata* ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).

West Indies in winter; records from Cuba, Jamaica, Porto Rico, and St. Thomas.

GENUS *Aix* BOIE.

Aix BOIE. ISIS, 1828, p. 329.

Aix sponsa (LINN.).

- Anas sponsa* LINN. Syst. Nat. I, p. 207 (1766).—D'ORB. in La Sagra's Hist. Nat. Cuba. Ois. p. 288 (1840).
- Aix sponsa* GOSSE, Bds. Jam. p. 408 (1847).—CAB. J. f. O. 1857, p. 226 (Cuba).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 72 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 389 (1866); *ib.* J. f. O. 1875, p. 381 (Cuba).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).—CORY, List Bds. W. I. p. 31 (1885).
- Dendrocygnus sponsa* BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).

Cuba and Jamaica in winter.

GENUS *Aythya* BOIE.

Aythya BOIE. ISIS, 1822, p. 564.

Aythya affinis (EYTON).

- Fuligula affinis* EYTON, Mon. Anat. p. 157 (1838).—GOSSE, Bds. Jam. p. 408 (1847).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).—CORY, Bds. Bahama I. p. 187 (1880); *ib.* List Bds. W. I. p. 31 (1885).
- Anas marila* D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 295 (1840) (?)
- Fulix affinis* A. & E. NEWTON, Ibis, 1859, p. 366 (St. Croix) (?)—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 71 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 390 (1866); *ib.* J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 382 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 405 (1878) (Porto Rico).
- Fuligula marila* BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).

Fuligula mariloides GUNDL. J. f. O. 1862, p. 92 (Cuba).

Nyroca affinis A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).

Recorded from Porto Rico, Cuba, Bahamas, Jamaica, and St. Croix.

Aythya collaris (DONOV.).

Anas collaris DONOV. Brit. Birds, VI, pl. 47 (1809).

Fuligula ruftorques GOSSE, Bds. Jam. p. 408 (1847).—LEMB. Aves Cuba, p. 117 (1850).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).

Fulix collaris BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859) (Bahamas).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 72 (Jamaica).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 390 (1866); *ib.* J. f. O. 1875, p. 383 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 406 (1878) (Porto Rico).

Anas (*Fuligula*) *ruftorques* GUNDL. J. f. O. 1871, p. 283 (Cuba).

Fuligula collaris CORY, Bds. Bahama I. p. 188 (1880); *ib.* List Bds. W. I. p. 31 (1885).

Nyroca collaris A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).

Bahamas, Cuba, Jamaica, and Porto Rico, in winter.

Aythya vallisneria (WILS.).

Anas vallisneria WILS. Am. Orn. VIII, p. 103 (1814).—CORY, List Bds. W. I. p. 30 (1885).

Nyroca vallisneria BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).

Aythya vallisneria MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 72 (Jamaica)

Aythya vallisneria GUNDL. Repert. Fisico-Nat. Cuba, I, p. 390 (1866); *ib.* J. f. O. 1875, p. 382 (Cuba).

Nyroca vallisneria A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).

Recorded from Cuba and Jamaica.

Aythya americana (EYTON).

Fuligula americana EYTON, Mon. Anat. p. 155 (1838).—GOSSE, Bds. Jam. p. 408 (1847).—CORY, List Bds. W. I. p. 31 (1885).

Aythya americana BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859) (Bahamas).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864, p. 72 (Jamaica).

Fuligula ferina var. *americana* CORY, Bds. Bahama I. p. 189 (1880).

Nyroca americana A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).

A winter visitant; records from the Bahamas, Cuba, and Jamaica.

GENUS **Charitonetta** STEJN.

Charitonetta STEJNEGER, Orn. Expl. Kantsch. p. 163, 1885.

Charitonetta albeola (LINN.).

Anas albeola LINN. Syst. Nat. I, p. 199 (1766).

Clangula albeola BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860)
(Cuba).—CORY, List Bds. W. I. p. 31 (1885).

Bucephala albeola GUNDL. Repert. Fisico-Nat. Cuba, I, p. 390 (1866); *ib.*
J. f. O. 1875, p. 383 (Cuba).

Accidental in Cuba in winter.

GENUS **Glaucionetta** STEJN.

Glaucionetta STEJNEGER, Pr. U. S. Nat. Mus. VIII, p. 409, 1885.

Glaucionetta clangula americana (BONAP.).

Clangula americana BP. Comp. List, 1838, p. 58.

Clangula glaucion LAWR. Pr. U. S. Nat. Mus. I, p. 241 (1878) (Barbuda).

Clangula glaucion americana BD. BWR. & RIDGW. Hist. N. Am. W. Bds.
II, p. 44 (1884) (Cuba) (?).

Clangula glaucium CORY, Revised List Bds. W. I. p. 31 (1886).

Recorded from Cuba and Barbuda.

GENUS **Ædemia** FLEMING.

Ædemia FLEMING, Philos. Zool. II, p. 260, 1822.

Ædemia perspicillata (LINN.).

Anas perspicillata LINN. Syst. Nat. I, p. 201 (1766).

Ædemia perspicillata GOSSE, Bds. Jam. p. 408 (1847).—ALBRECHT, J. f. O.
1862, p. 207 (Jamaica).—MARCH, Pr. Acad. Nat. Sci. Phila. 1864,

p. 72 (Jamaica).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).

—CORY, List Bds. W. I. p. 31 (1885).

Claimed to have occurred in Jamaica.

GENUS **Erismatura** BONAP.

Erismatura BONAPARTE, Saggio Distr. Met. p. 143, 1832.

Erismatura rubida (WILS.).

Anas rubida WILS. Am. Orn. VIII, pp. 128-130 (1814).

Erismatura spinosa GOSSE, Bds. Jam. p. 404 (1847).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).

Fuligula rubida LEMB. Aves Cuba, p. 118 (1850).

Erismatura rubida BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859) (Bahamas).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 390 (1866); *ib.* J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 384 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 407 (1878) (Porto Rico).—CORY, Bds. Bahama I. p. 189 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 113 (1881).—CORY, List Bds. W. I. p. 31 (1885).—WELLS, List Bds. Grenada, p. 10 (1886).

Occurs in winter in the West Indies; records from Porto Rico, Cuba, Jamaica, Grenada, and the Bahamas.

GENUS *Nomonyx* RIDGW.

Nomonyx RIDGWAY, Pr. U. S. Nat. Mus. II, p. 15, March 27, 1880.

***Nomonyx dominicus* (LINN.).**

Anas dominica LINN. Syst. Nat. I, p. 201 (1766).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 603 (Porto Rico).

Anas spinosa? D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 297 (1840)?

Erismatura dominica A. & E. NEWTON, Ibis, 1859, p. 367 (St. Croix) (?).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 391 (1866); *ib.* J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 314 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 408 (1878) (Porto Rico).

Dendrocygnus spinosa BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).

Nomonyx dominicus CORY, List Bds. W. I. p. 31 (1885).

SP. CHAR. *Male*:—Top of head brownish black; a stripe of brown through the eye, and a parallel stripe of the same color below, separated by a narrow stripe of tawny; a narrow tawny superciliary stripe; throat tawny brown, the feathers marked with chestnut, heaviest on the lower part; underparts dull white, marked with yellowish brown; feathers of the back having the centres black, and heavily edged with chestnut; quills and tail dark brown; secondaries white, tipped with brown, forming a large white patch on the wing. In some plumages the male is described as having the entire head black.

The female differs from the male in lacking the chestnut marking on the upper parts, which is replaced by pale brown, bill dark brown, almost black.

Length, 12.00; wing, 5.30; tail 3.10; tarsus, .90; bill, 1.30.

HABITAT. Antilles.

GENUS **Lophodytes** REICH.

Lophodytes REICHENBACH, Syst. Av. p. IX, 1852.

Lophodytes cucullatus (LINN.).

Mergus cucullatus LINN. Syst. Nat. I, 10th ed. p. 129 (1758); *ib.* 12th ed. p. 207 (1766).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—GUNDL. J. f. O. 1862, p. 93 (Cuba).—CORY, List Bds. W. I. p. 31 (1885).

Lophodytes cucullatus GUNDL. Repert. Fisico-Nat. Cuba, I, p. 391 (1866); *ib.* J. f. O. 1875, p. 385 (Cuba).

Accidental in Cuba.

FAMILY FREGATIDÆ.

GENUS **Fregata** CUV.

Fregata CUVIER, Lec. d'Anat. Comp. I, tabl. II, 1799-1800.

Fregata aquila (LINN.).

Pelecanus aquilus LINN. Syst. Nat. I, 10th ed. p. 133 (1758); *ib.* 12th ed. p. 216 (1766).

Fregata aquila D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 309 (1840).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—LAWR. Pr. U. S. Nat. Mus. I, p. 65 (1878) (Dominica) (?) *ib.* p. 195 (St. Vincent); *ib.* p. 236 (Antigua); *ib.* p. 240 (Barbuda); *ib.* p. 274 (Grenada); *ib.* p. 359 (Martinique).—ALLEN, Bull. Nutt. Orn. Club, V, p. 169 (1880) (Santa Lucia).—A. & E. NEWTON, Handb. Jamaica, p. 112 (1881).—CORY, List Bds. W. I. p. 31 (1885).

Fregata aquilus GOSSE, Bds. Jam. p. 422 (1847).

Tachypetes aquilus A. & E. NEWTON, Ibis, 1859, p. 369 (St. Croix).—BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 126 (1859) (Bahamas).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 396 (1866); *ib.* J. f. O. 1874, p. 315 (Porto Rico); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 421 (1878) (Porto Rico).—BRYANT, Pr. Bost. Soc. Nat. Hist. XI, p. 98 (1867) (San Domingo).—CORY, Bds. Bahama I, p. 200 (1880); *ib.* Bull. Nutt. Orn. Club, VI, p. 155 (1881) (Haiti); *ib.* Bds. Haiti & San Domingo, p. 173 (1885).

Tachypetes aquila WELLS, List Bds. Grenada, p. 10 (1886).

Abundant in the Bahamas and throughout the Antilles

FAMILY PELECANIDÆ.

GENUS *Pelecanus* LINN.

Pelecanus LINNÆUS, Syst. Nat. 1735; *ib.* 10th ed. I, p. 132, 1758.

Pelecanus fuscus LINN.

Pelecanus fuscus LINN. Syst. Nat. I, p. 215 (1766).—D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 300 (1840).—GOSSE, Bds. Jam. p. 409 (1847).—A. & E. NEWTON, Ibis, 1859, p. 368 (St. Croix).—BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 122 (1859) (Bahamas); *ib.* BREWER, p. 308 (1860) (Cuba).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 394 (1866).—LAWR. Ann. Lyc. N. Y. VIII, p. 101 (1867) (Sombbrero).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 603 (Porto Rico).—LAWR. Pr. U. S. Nat. Mus. I, p. 66 (1878) (Dominica); *ib.* p. 196 (St. Vincent); *ib.* p. 236 (Antigua); *ib.* p. 240 (Barbuda); *ib.* p. 274 (Grenada); *ib.* p. 359 (Martinique).—GUNDL. Anal. Soc. Esp. Hist. Nat. VII, p. 416 (1878) (Porto Rico).—CORY, Bds. Bahama I. p. 196 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 112 (1881).—CORY, Bull. Nutt. Orn. Club, VI, p. 155 (1881) (Haiti); *ib.* Bds. Haiti & San Domingo, p. 172 (1885); *ib.* List Bds. W. I. p. 32 (1885).—WELLS, List Bds. Grenada, p. 10 (1886).

The Brown Pelican is common in the Bahama Islands, the Greater Antilles, and in many of the Lesser Antilles.

FAMILY PHALACROCORACIDÆ.

GENUS *Phalacrocorax* BRISS.

Phalacrocorax BRISSON, Orn. VI, p. 511, 1760.

Phalacrocorax dilophus floridanus (AUD.).

Phalacrocorax floridanus AUD. Orn. Biog. III, p. 387 (1835).—LEMB. Aves Cuba, p. 119 (1850)—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—GUNDL. J. f. O. 1862, p. 95 (Cuba).
Graculus floridanus BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 128 (1859) (Bahamas).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 394 (1866); *ib.* J. f. O. 1875, p. 400 (Cuba).
Graculus dilophus var. *floridanus* CORY, Bds. Bahama I. p. 198 (1880).
Phalacrocorax dilophus floridanus RIDGW. Nom. N. A. Bds. No. 643 a (1881).—CORY, List Bds. W. I. p. 32 (1885).

Accidental in the Bahamas and Cuba.

Phalacrocorax mexicanus (BRANDT).

- Carbo mexicanus* BRANDT, Bull. Sc. Ac. Imp. St. Pet. III, p. 56 (1837).
Phalacrocorax resplendens LEMB. Aves Cuba, p. 119 (1850).—GUNDL.
 J. f. O. 1862, p. 95 (Cuba).
Phalacrocorax townsendi LEMB. Aves Cuba, p. 120 (1850).—GUNDL.
 J. f. O. 1862, p. 95 (Cuba).
Phalacrocorax mexicanus BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308
 (1860) (Cuba).—CORY, List Bds. W. I. p. 32 (1885).
Graculus mexicanus GUNDL. Repert. Fisico-Nat. Cuba, I, p. 395 (1866);
ib. J. f. O. 1875, p. 401 (Cuba).

Recorded from Cuba.

FAMILY ANHINGIDÆ.

GENUS *Anhinga* BRISS.

Anhinga BRISS. Orn. VI, p. 476, 1760.

Anhinga anhinga (LINN.).

- Plotus anhinga* LINN. Syst. Nat. I, p. 218 (1766).—LEMB. Aves Cuba, p.
 120 (1850).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860)
 (Cuba).—GUNDL. J. f. O. 1862, p. 96 (Cuba); *ib.* Repert. Fisico-
 Nat. Cuba, I, p. 395 (1866); *ib.* J. f. O. 1875, p. 405 (Cuba).—CORY,
 List Bds. W. I. p. 32 (1885).

This species is stated to be common in many parts of Cuba.

FAMILY SULIDÆ.

GENUS *Sula* BRISS.

Sula BRISSON, Orn. VI, p. 495, 1760.

Sula cyanops (SUNDEV.).

- Dysporus cyanops* SUNDEV. Phys. Tidskr. Lund, pt. 5 (1837).
Sula dactylatra? BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 125 (1859)
 (Bahamas); XI, p. 97 (1867) (San Domingo).—CORY, Bds. Ba
 hama I. p. 194 (1880).
Sula cyanops CORY, Bds. Haiti & San Domingo, p. 170 (1885); *ib.* List
 Bds. W. I. p. 32 (1885).

SP. CHAR.—Large. General color white; remiges and greater wing-coverts dark brown; middle rectrices hoary white, tipped with brown; rest of tail dark brown, white at the base; feet reddish? gular sac bluish. Wing, 16.00; tail, 7.70; bill, 3.90; tarsus, 1.85.

HABITAT. West Indies, Bahamas, breeding (*Bryant*).

Sula sula (LINN.).

Pelecanus sula LINN. Syst. Nat. ed. 12, I, p. 218 (1766).

Pelecanus leucogastra BODD. Tabl. Pl. Enl. p. 57 (1783).

Sula fusca D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 306 (1840).—GOSSE, Bds. Jam. p. 417 (1847).—SALLÉ, P. Z. S. 1857, p. 237 (San Domingo).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica); *ib.* GUNDL. p. 95 (Cuba).—BRYANT, Pr. Bost. Soc. Nat. Hist. XI, p. 97 (1867) (San Domingo).

Sula fiber GOSSE, Bds. Jam. p. 417 (1847).—BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 123 (1859) (Bahamas).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).—LAWR. Ann. Lyc. N. Y. VIII, p. 101 (1867) (Sombrero); Pr. U. S. Nat. Mus. I, p. 196 (1878) (St. Vincent); *ib.* p. 274 (Grenada).—ALLEN, Bull. Nutt. Orn. Club, V, p. 169 (1880) (Santa Lucia).—CORY, Bds. Bahama I. p. 191 (1880).—WELLS, List. Bds. Grenada, p. 11 (1886).

Dysporus sula A. & E. NEWTON, Ibis, 1859, p. 369 (St. Croix).

Dysporus fiber GUNDL. Repert. Fisico-Nat. Cuba, I, p. 395 (1866); *ib.* J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 402 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 418 (1878) (Porto Rico).

Dysporus leucogaster SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 591 (St. Bartholomew).

Sula leucogastra A. & E. NEWTON, Handb. Jamaica, p. 112 (1881).—CORY, Bds. Haiti & San Domingo, p. 171 (1885); *ib.* List. Bds. W. I. p. 32 (1885).

Sula sula RIDGW. Pr. U. S. Nat. Mus. VIII, p. 356 (1885).

SP. CHAR. *Adult*:—Head, throat, upper part of breast, and entire upper plumage dark olive brown; underparts white; gular sac pale yellow; upper mandible greenish; feet pale yellowish green; iris yellowish.

Length, 27.00; wing, 15.50; tail, 8.00; tarsus, 1.60; bill, 4.00.

HABITAT. Antilles.

Sula piscator (LINN.).

Pelecanus piscator LINN. Syst. Nat. I, 10th ed. p. 134 (1758); *ib.* 12th ed. p. 217 (1766).

Sula parva? GOSSE, Bds. Jam. p. 219 (1847).—WELLS, List. Bds. Grenada, p. 11 (1886).

Sula piscator GOSSE, Bds. Jam. p. 418 (1847).—A. & E. NEWTON, Handb. Jamaica, p. 112 (1881).—CORY, List Bds. W. I. p. 32 (1885).—WELLS, List Bds. Grenada, p. 11 (1886).

Dysporus hernandezi GUNDL. J. f. O. 1878, p. 298 (Cuba).

Dysporus piscator GUNDL. J. f. O. 1881, p. 401 (Cuba).

SP. CHAR. *Adult Male*:—General plumage white, showing a buff tinge on the head and neck; shafts of the tail-feathers pale yellow; remiges and most of the wing-coverts slaty gray, showing an ash tinge; feet reddish.

Young in first plumage:—General plumage grayish brown above; dull gray beneath, sometimes whitish; plumage very variable.

Length, 28.00; wing, 14.50; tail, 8.00; tarsus, 2.10; bill, 3.30.

HABITAT. West Indies.

FAMILY PHAËTHONTIDÆ.

GENUS *Phaëthon* LINN.

Phaëthon LINNÆUS, Syst. Nat. 1756; *ib.* I, p. 134, 1758.

Phaëthon flavirostris BRANDT.

Phaëthon flavirostris BRANDT, Bull. Soc. Acad. St. Petersburg. II, p. 349 (1837).—LAWR. Pr. U. S. Nat. Mus. I, p. 65 (1878) (Dominica).—*ib.* p. 240 (Barbuda); *ib.* p. 359 (Martinique).—CORY, Bds. Bahama I. p. 204 (1880); *ib.* Bds. Haiti & San Domingo, p. 175 (1885); *ib.* List Bds. W. I. p. 33 (1885).

Phaëthon flavirostris? BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 128 (1859) (Bahamas).—*ib.* BREWER, p. 308 (1860) (Cuba).—GUNDL. Repert. Fisico-Nat. Cuba, I. p. 395 (1866).—LAWR. Ann. Lyc. N. Y. VIII, p. 103 (1867) (Sombbrero).—GUNDL. J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 403 (Cuba); *ib.* 1878, p. 163 (Porto Rico); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 419 (1878) Porto Rico).

Adult Male:—Bill pale orange yellow; general plumage white, sometimes slightly rosy-tinted; most of primaries showing much black; a streak passing through the eye; some of the wing-coverts and shafts of tail-feathers black; tail extended into two very long feathers which are reddened; tarsus bluish; iris black; webs and toes black.

Length, including tail-feathers, 31.50; wing, 11.00; tail, 21.00; tarsus, .90; bill, 2.00.

HABITAT. Bahamas and Antilles.

Phaëthon æthereus LINN.

Phaëthon æthereus LINN. Syst. Nat. I, 10th ed. p. 134 (1758); *ib.* 12th ed. p. 219 (1766).—GOSSE, Bds. Jam. p. 430 (1847).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 590 (St. Bartholomew); *ib.* p. 603 (Porto Rico).—LAWR. Pr. U. S. Nat. Mus. I, p. 195 (1878) (St. Vincent); *ib.* p. 274 (Grenada); *ib.* p. 460 (Guadeloupe).—A. & E. NEWTON, Handb. Jamaica, p. 112 (1881).—CORY, List Bds. W. I. p. 33 (1885); *ib.* Ibis, 1886, p. 474 (La Desirade).—WELLS, List Bds. Grenada, p. 11 (1886).

Phaëton æthereus D'ORB. in La Sagra's Hist. Nat. Cuba, Ois, p. 312 (1840).—GUNDL. J. f. O. 1862, p. 96 (Cuba); *ib.* ALBRECHT, p. 207 (Jamaica).

SP. CHAR.—Bill red; General plumage white; a black crescent in front of the eye; a stripe extending from the eye to the occiput; outer webs of outer primaries, and most of the primary coverts, black; rest of upper surface irregularly barred with dull black; flanks striped; elongated central tail-feathers white, basal portion of the shafts black; tarsus yellowish orange? this color reaching to the first joint of the toes, including the web between the inner and hind toes; rest of feet black.

Length, 31.00; wing, 12.00; bill, 2.45.

Recorded from Cuba, Jamaica, Porto Rico, St. Vincent, Grenada, Guadeloupe, St. Bartholomew, and La Desirade.

FAMILY RYNCHOPIDÆ.

GENUS **Rynchops** LINN.

Rynchops LINNÆUS, Syst. Nat. I, 10th ed. p. 228, 1758; *ib.* 12th ed. p. 228, 1776.

Rynchops nigra LINN.

Rynchops nigra LINN. Syst. Nat. I, 10th ed. p. 228 (1758); *ib.* 12th ed. p. 228 (1766).—A. & E. NEWTON, Ibis, 1859, p. 371 (St. Croix)?—CORY, List Bds. W. I. p. 33 (1885).

Rhynchops nigra GUNDL. Repert. Fisico-Nat. Cuba, I, p. 393 (1866); *ib.* J. f. O. 1875, p. 395 (Cuba).

Accidental in Cuba and St. Croix.

FAMILY LARIDÆ.

GENUS *Larus* LINN.

Larus LINNÆUS, Syst. Nat. I. p. 136, 1758.

Larus atricilla LINN.

Larus atricilla LINN. Syst. Nat. I, 10th ed. p. 136 (1758); *ib.* 12th ed. p. 225 (1766).—D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 315 (1840).—BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 134 (1859) (Bahamas); *ib.* BREWER, p. 308 (1860) (Cuba).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 590 (St. Bartholomew); *ib.* p. 603 (Porto Rico).—LAWR. Pr. U. S. Nat. Mus. I, p. 238 (1878) (Antigua); *ib.* p. 142 (Barbuda); *ib.* p. 277 (Grenada); *ib.* p. 462 (Gaudeloupe).—CORY, Bds. Bahama I, p. 208 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 117 (1881).—CORY, Bds. Haiti & San Domingo, p. 177 (1885); *ib.* List Bds. W. I. p. 33 (1885).—WELLS, List Bds. Grenada, p. 11 (1886).

Xema atricilla GOSSE, Bds. Jam. p. 437 (1847).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).

Chræcocephalus atricilla A. & E. NEWTON, Ibis, 1859 p. 371 (St. Croix).

Chroicocephalus atricilla GUNDL. Repert. Fisco-Nat. Cuba, I, p. 391 (1866); *ib.* J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 385 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 408 (1878) (Porto Rico).

Common throughout the West Indies.

Larus argentatus BRÜNN.

Larus argentatus BRÜNN. Orn. Bor. p. 44 (1764).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—ALBRECHT, J. f. O. 1861, p. 215 (Cuba).—CORY, List Bds. W. I. p. 33 (1885).

Larus marinus LEMB. Aves Cuba, p. 122 (1850).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—GUNDL. J. f. O. 1862, p. 95 (Cuba).

Larus zonorhynchus GUNDL. J. f. O. 1862, p. 94 (?) (Cuba).

Larus smithsonianus GUNDL. Repert. Fisco-Nat. Cuba, I, p. 391 (1866); *ib.* J. f. O. 1875, p. 387 (Cuba).

Cuba and Bahamas in winter.

Larus franklinii SWAINS.

Larus franklinii SWAINS. & RICH. F. B. A. II, p. 424, pl. 71 (1831).

Larus franklini SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 590 (St. Bartholomew).—CORY, List Bds. W. I. p. 33 (1885).

Recorded from St. Bartholomew.

Larus philadelphia is claimed to have been seen at Long Island, Bahamas. There is no actual record of the capture of this species in the West Indies.

GENUS *Gelochelidon* BREHM.

Gelochelidon BREHM, Naturg. Vög. Deutschl. 1831, p. 774.

Gelochelidon nilotica (HASSELQ.).

- Sterna nilotica* HASSELQ. Reise nach Pal. Deutschl. Ausg. 1762, p. 325.
Sterna anglica MONT. Orn. Dict. Suppl. 1813.—D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 321 (1840).—MOORE, Pr. Bost. Soc. Nat. Hist. XIX, p. 141 (1877) (Bahamas).—CORY, Bds. Bahama I. p. 209 (1880); *ib.* List Bds. W. I. p. 33 (1885).
Gelochelidon aranea BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—GUNDL. J. f. O. 1862, p. 94 (Cuba).
Gelochelidon anglica GUNDL. Repert. Fisico-Nat. Cuba, I, p. 392 (1866); *ib.* J. f. O. 1875, p. 388 (Cuba).
Gelochelidon nilotica STEJN. Auk, I, p. 366 (1884).

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GENUS *Sterna* LINN.

Sterna LINNÆUS, Syst. Nat. I, ed. 10, p. 137 (1758); *ib.* ed. 12, p. 227 (1766).

Sterna maxima BODD.

- Sterna maxima* BODD. Tabl. Pl. Enl. p. 58 (1783).—SAUNDERS, P. Z. S. 1876, p. 655 (W. I.).—LAWR. Pr. U. S. Nat. Mus. I, p. 198 (1878) (St. Vincent); *ib.* p. 488 (Antigua); *ib.* p. 242 (Barbuda); *ib.* p. 277 (Grenada); *ib.* p. 462 (Gaudeloupe).—A. & E. NEWTON, Handb. Jamaica, p. 117 (1881).—CORY, Bds. Haiti & San Domingo, p. 178 (1885); *ib.* List. Bds. W. I. p. 33 (1885).
Sterna cayennensis D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 319 (1840).
Thalasseus cayanus GOSSE, Bds. Jam. p. 431 (1847).
Thalasseus regius A. & E. NEWTON, Ibis, 1859, p. 371 (St. Croix).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 392 (1866).—LAWR. Ann. Lyc. N. Y. VIII, p. 103 (1867) (Sombrero).—GUNDL. J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 388 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 410 (1878) (Porto Rico).
Sterna regia BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 134 (1859) (Bahamas); *ib.* XI, p. 98 (1867) (San Domingo).—SCL. P. Z. S. 1861,

p. 82 (Jamaica).—CORY, Bds. Bahama I. p. 210 (1880).—WELLS, List Bds. Grenada, p. 11 (1886).

Gelochelidon cayennensis BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).

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*Sterna sandvicensis acuflava*da.

Sterna cantiaca GMEL. Syst. Nat. I, p. 606 (1788)?—CORY, Bds. Bahama I, p. 211 (1880); *ib.* List Bds. W. I. p. 33 (1885).

Sterna acuflava CABOT, Pr. Bost. Soc. Nat. Hist. II, p. 257 (1847).—BRYANT, *ib.* VII, p. 134 (1859) (Bahamas).

Thalasseus acufavidus BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 392 (1866); *ib.* J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 390 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 411 (1878) (Porto Rico).

*Thalasseus acuflava*da GUNDL. J. f. O. 1862, p. 94 (Cuba).

*Sterna sandvicensis acuflava*da RIDGW. Water Bds. N. Am. II, p. 288 (1884).

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Sterna hirundo LINN.

Sterna hirundo LINN. Syst. Nat. I, ed. 10, p. 137 (1758); *ib.* ed. 12, p. 227 (1766).—CORY, Bds. Bahama I. p. 211 (1880); *ib.* List Bds. W. I. p. 33 (1885).

Sterna wilsoni BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 134 (1859) (Bahamas.)

Accidental in the Bahama Islands.

Sterna anosthætus SCOP.

Sterna anosthætus SCOP. Del. Faun. et Flor. Ins. II, No. 72 (1786).

Haliplana discolor COUES, Ibis, 1864, p. 392.—LAWR. Ann. Lyc. N. Y. VIII, p. 104 (1867) (Sombbrero).

Sterna anosthæta CORY, Bds. Bahama I. p. 215 (1880); *ib.* List Bds. W. I. p. 33 (1885).—WELLS, List Bds. Grenada, p. 11 (1886).

Haliplana anæstha GUNDL. J. f. O. 1881, p. 400 (Cuba).

SP. CHAR. — Bill black; cap black; forehead white, *extending like two horns over each eye and reaching behind them*; upper back grayish, shading into the white on the sides of the neck; upper plumage grayish brown; underparts white; primaries dark brown, the first

and second showing a clear band of white on the inner webs, not reaching within an inch of the tips, and gradually fading on the others; upper tail-coverts slaty gray; outer tail-feathers *almost entirely white*, showing a tinge of brownish near the tip; legs and feet black; iris brown.

Length, 14.25; wing, 10.00; tail, 6.25; tarsus, .70; bill, 1.50.

Common in the Bahama Islands; breeds. Cuba, Sombrero; probably occurs throughout the West Indies.

Sterna fuliginosa GMEL.

Sterna fuliginosa GMEL. Syst. Nat. I, p. 605 (1788).—D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 319 (1840).—BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 134 (1859) (Bahamas); *ib.* XI, p. 98 (1867) (San Domingo).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 589 (St. Bartholomew); *ib.* p. 603 (Porto Rico).—LAWR. Pr. U. S. Nat. Mus. I, p. 68 (1878) (Dominica); *ib.* p. 277 (Grenada); *ib.* p. 462 (Guadeloupe).—CORY, Bds. Bahama I. p. 214 (1880).—A. & E. NEWTON, Handb. Jamaica, p. 117 (1881).—CORY, Bds. Haiti & San Domingo, p. 181 (1885); *ib.* List Bds. W. I. p. 33 (1885).—WELLS, List Bds. Grenada, p. 11 (1886).

Hydrochelidon fuliginosa GOSSE, Bds. Jam. p. 433 (1847).—BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).

Onychoprion fuliginosus A. & E. NEWTON, Ibis, 1859, p. 371 (St. Croix)?—CASSIN, Pr. Acad. Nat. Sci. Phila., 1860, p. 379 (St. Thomas).

Haliplana fuliginosa GUNDL. Repert. Fisico-Nat. Cuba, I, p. 393 (1866); *ib.* J. f. O. 1875, p. 393 (Cuba); *ib.* 1878, p. 163 (Porto Rico); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 414 (1878) (Porto Rico).

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Sterna dougalli MONT.

Sterna dougalli MONT. Orn. Dict. Suppl. (1813).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 589 (St. Bartholomew).—LAWR. Pr. U. S. Nat. Mus. I, p. 488 (1878) (Dominica); *ib.* p. 238 (Antigua) *ib.* p. 277 (Grenada); *ib.* p. 360 (Martinique); *ib.* p. 462 (Guadeloupe).—CORY, List Bds. W. I. p. 33 (1885).—WELLS, List Bds. Grenada, p. 11 (1886).

Sterna paradisæa GUNDL. Repert. Fisico-Nat. Cuba, I, p. 392 (1866); *ib.* J. f. O. 1875, p. 391 (Cuba); *ib.* 1878, p. 163 (Porto Rico); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 411 (1878) (Porto Rico).—CORY, Bds. Bahama I. p. 212 (1880).

Common throughout the West Indies.

Sterna antillarum (LESS.).

- Sternula antillarum* LESS. Descr. Mam. et Ois. p. 256 (1847).
Sterna argentea GOSSE, Bds. Jam. p. 437 (1847).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).
Sterna minuta LEMB. Aves Cuba, p. 123 (1850).
Sternula frenata BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).—GUNDL. J. f. O. 1862, p. 93 (Cuba).
Sterna antillarum GUNDL. Repert. Fisico-Nat. Cuba, I, p. 393 (1866).—BRYANT, Pr. Bost. Soc. Nat. Hist. XI, p. 98 (1867) (San Domingo).—GUNDL. J. f. O. 1874, p. 314 (Porto Rico); *ib.* 1875, p. 391 (Cuba); *ib.* 1878, p. 163 (Porto Rico); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 412 (1878) (Porto Rico).—SAUNDERS, P. Z. S. 1876, p. 661 (Antilles).—LAWR. Pr. U. S. Nat. Mus. I, p. 68 (1878) (Dominica).—A. & E. NEWTON, Handb. Jamaica, p. 117 (1881).—CORY, Bds. Haiti & San Domingo, p. 179 (1885); *ib.* List Bds. W. I. p. 33 (1885).
Sterna minuta americana SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 589 (St. Bartholomew).
Sterna superciliaris CORY, Bds. Bahama I. p. 213 (1880).

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GENUS Hydrochelidon BOIE.

Hydrochelidon BOIE, Isis, 1822, p. 563.

Hydrochelidon nigra surinamensis (GMEL.).

- Rallus lariformis* LINN. Syst. Nat. I, 10th ed. p. 153 (1758)?
Sterna surinamensis GMEL. Syst. Nat. I, 2nd part, p. 604 (1788).
Hydrochelidon nigra GOSSE, Bds. Jam. p. 437 (1847).—ALBRECHT, J. f. O. 1862, p. 207 (Jamaica).—SAUNDERS, P. Z. S. 1876, p. 642 (W. I.).—A. & E. NEWTON, Handb. Jamaica, p. 117 (1881).
Sterna nigra LEMB. Aves Cuba, p. 124 (1850).
Hydrochelidon surinam BREWER, Pr. Bost. Soc. Nat. Hist. VII, p. 308 (1860) (Cuba).
Hydrochelidon plumbea GUNDL. J. f. O. 1862, p. 93 (Cuba).
Hydrochelidon fissipes GUNDL. Repert. Fisico-Nat. Cuba, I, p. 393 (1866); *ib.* J. f. O. 1875, p. 393 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 413 (1878) (Porto Rico).
Hydrochelidon lariformis COUES, Bds. N. W. p. 704 (1874).—CORY, List Bds. W. I. p. 34 (1885).
Hydrochelidon nigra surinamensis STEJN. Pr. U. S. Nat. Mus. V, p. 40 (1882).

Antilles in winter.

GENUS **Anous** LEACH.

Anous LEACH, Shaw's Gen. Zool. XIII, p. 139, 1826.

Anous stolidus (LINN.).

Sterna stolidus LINN. Syst. Nat. I, 10th ed. p. 137 (1758); *ib.* 12th ed. p. 227 (1766).—D'ORB. in La Sagra's Hist. Nat. Cuba, Ois. p. 317 (1840).

Megalopterus stolidus GOSSE, Bds. Jam. p. 434 (1847).

Anous stolidus BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 134 (1859) (Bahamas); *ib.* BREWER, p. 308 (1860) (Cuba).—GUNDL. Repert. Fisico-Nat. Cuba, I, p. 393 (1866).—LAWR. Ann. Lyc. N. Y. VIII, p. 105 (1867) (Sombbrero).—SUNDEV. Oefv. K. Vet. Akad. For. 1869, p. 590 (St. Bartholomew).—GUNDL. J. f. O. 1875, p. 395 (Cuba); *ib.* Anal. Soc. Esp. Hist. Nat. VII, p. 415 (1878) (Porto Rico).—LAWR. Pr. U. S. Nat. Mus. I, p. 488 (1878) (Dominica); *ib.* p. 277 (Grenada).—CORY, Bds. Bahama I. p. 216 (1880).—GRISDALE, Ibis, 1882, p. 486 (Montserrat).—CORY, Bds. Haiti & San Domingo, p. 182 (1885); *ib.* List Bds. W. I. p. 34 (1885).—WELLS, List Bds. Grenada, p. 12 (1886).

Sterna (Anous) stolidus BRYANT, Pr. Bost. Soc. Nat. Hist. XI, p. 97 (1867) (San Domingo).

Abundant in the Bahamas and Antilles.

FAMILY PROCELLARIIDÆ.

GENUS **Oceanites** KEYS. & BLAS.

Oceanites KEYSERLING & BLASIUS, Wirb. Eur. I, p. xciii, 1840.

Oceanites oceanicus (KUHLE).

Procellaria oceanica KUHLE, Beitr. Zool. 1820, Mon. Proc. p. 136, pl. 10, fig. 1.

Thalassidroma wilsonii BRYANT, Pr. Bost. Soc. Nat. Hist., VII, p. 131 (1859) (Bahamas).

Oceanites wilsoni GUNDL. Repert. Fisico-Nat. Cuba, I, p. 394 (1866); *ib.* J. f. O. 1875, p. 396 (Cuba).

Oceanites oceanica CORY, Bds. Bahama I. p. 218 (1880).

Oceanites oceanicus CORY, List Bds. W. I. p. 34 (1886).—WELLS, List Bds. Grenada, p. 12 (1886).

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GENUS *Æstrelata* BP.

Æstrelata BONAPARTE, Consp. Avium, II, p. 188, 1856.

Æstrelata jamaicensis (BANCROFT).

Procellaria jamaicensis BANCROFT, Zool. Journ. V, p. 81 (1828).

“*Æstrelata caribæa* AUCT.”

Blue Mountain Duck GOSSE, Bds. Jam. p. 437 (1847).

Pterodroma caribbæa CARTE, P. Z. S. 1866, p. 93, pl. X.

Pterodroma caribbæus GRAY, Handl. Bds. III, p. 107 (1871).

Æstrelata jamaicensis A. & E. NEWTON, Handb. Jamaica, p. 117 (1881).—

BD. BWR. & RIDGW. Hist. N. Am. W. Bds. II, p. 394 (1884).—CORY, List. Bds. W. I. p. 34 (1885).

SP. CHAR. *Male*:—General plumage dark sooty brown, paling slightly on the chin, forehead and upper part of the back, joining the neck; rump brownish black; upper tail-coverts dull white; quills and tail brownish black; bill and feet black.

The sexes are similar.

Length, 14.00; wing, 11.00; tail, 4.75; tarsus, 1.40; bill, 1.25 to 1.50.

HABITAT. Jamaica.

Æstrelata hasitata (KUHLENSTEDT).

Procellaria hasitata “KUHLENSTEDT, Mon. Proc. Beitr. Zool. p. 142, No. 11 (1820).”

? *Procellaria diabolica* L'HERMINIER, MSS.—LAWR. Pr. U. S. Nat.

Mus. 1879, p. 450 (Gaudeloupe).

Æstrelata hesitata BD. BWR. & RIDGW. Hist. N. Am. W. Bds. II, pp. 394-395 (1884) (Haiti).—CORY, List Bds. W. I. p. 34 (1885).

It is probable that this bird is occasionally to be found in the West Indies. One specimen, claimed to have been taken near Haiti, is now in the British Museum.

GENUS *Puffinus* BRISSON.

Puffinus BRISSON, Orn. VI, p. 131, 1760.

Puffinus major FABER.

Puffinus major FABER, Prodr. Isl. Orn. p. 56 (1822).—CORY, Bds. Bahama I. p. 218 (1880).—*ib.* List Bds. W. I. p. 34 (1885).

Recorded from the Bahama Islands.

Puffinus auduboni FINSCH.

Puffinus obscurus BRYANT, Pr. Bost. Soc. Nat. Hist. VII, p. 132 (1859) (Bahamas).—SCL. P. Z. S. 1879, p. 765 (Montserrat).—CORY, Bds.

Bahama I. p. 219 (1880); *ib.* Bds. Haiti & San Domingo, p. 184 (1885).

Procellaria obscura BRYANT, Pr. Bost. Soc. Nat. Hist. XI, p. 98 (1867) (San Domingo).

Puffinus auduboni FINSCH, P. Z. S. 1872, p. 111 (Bahamas).—GUNDL. J. f. O. 1881, p. 400 (Cuba).—CORY, List Bds. W. I. p. 34 (1885).

SP. CHAR.—Above glossy brown, shading into grayish upon the sides of the breast; below white; crissum brown and white; tail brown, the feathers faintly tipped with ashy; bill lead-color.

Length, 12.50; wing, 8.00; tail, 4.25; tarsus, 1.60; bill, 1.30.

HABITAT. Bahamas and Greater Antilles.

(*To be concluded.*)

DESCRIPTIONS OF SUPPOSED NEW BIRDS FROM LOWER CALIFORNIA, SONORA, AND CHIHUAHUA, MEXICO, AND THE BAHAMAS.

BY WILLIAM BREWSTER.

DURING the past year I have received a large number of birds from Mexico, representing three distinct collections, one made by Mr. M. Abbott Frazar in Lower California between January 24 and December 31, 1887; another by Mr. J. C. Cahoon in the eastern central part of Sonora between January 31 and June 18, 1887; and the third by Mr. R. R. McLeod in the extreme western portions of Chihuahua during the years 1883, 1884 and 1885. The last, although comprising only about two hundred skins, has proved particularly rich in new and little known birds.

Full lists of the species taken or observed by each of these collectors, with such field notes as they have placed in my hands, will be prepared and published as soon as possible, the present paper being restricted to the supposed new species or subspecies. In determining these I have received invaluable aid from Mr. Ridgway who has been at much personal trouble in examining and reporting on the numerous specimens which I have submitted to him, and through whose kind offices I have been able to compare nearly all of the new birds with series, often including the types, of their nearest allies from the collection of the National Museum.

In my descriptions the names of colors have been determined,