

5. A List of the Birds collected by Captain A. H. Markham on the West Coast of America. By OSBERT SALVIN, M.A., F.R.S.

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The following list contains the names of the birds' skins collected by Captain Albert Hastings Markham of H.M.S. 'Triumph,' during the time he had command of that ship, when forming one of the squadron of the Pacific Station. From this list the greater portion of the Laridæ have been omitted, as they have already formed the subject of a paper by Mr. Howard Saunders (P.Z. S. 1882, pp. 520 *et seqq.*).

The birds now before us are 149 in number, and were obtained at various points of the western shores of the Pacific from Esquimalt in the north to the Straits of Magellan in the south, including some from the Galapagos Islands and from the island of Juan Fernandez; the greater portion, however, are from the coasts of Peru and Chili.

Amongst those of the former country, I find a species of *Geothlypis*, which appears to me to be undescribed; there is also an example of a fine Albatross, which I have been unable to determine; and another Petrel, congeneric with our Fork-tailed Petrel, requires a name. Besides these novelties, the collection is rich in specimens of Procellariidæ, of which there are representatives of no less than fourteen species in all.

The references given to each species are taken from published memoirs relating to the country where they were obtained, or from some general work on the region to which they belong. Captain Markham deserves the thanks of ornithologists for his industry in amassing so large a collection during the intervals of the many duties involved in the command of a large ironclad in active service. We only hope that his example may frequently be followed.

1. *TURDUS MAGELLANICUS*, King; Salv. Ibis, 1875, p. 376.

Juan Fernandez, March 1882.

A young bird assuming its second plumage, which is perhaps a shade darker than that of adult individuals from the mainland.

2. *TURDUS FLAVIROSTRIS* (Sw.); Salv. & Godm. Biol. Centr.-Am., Aves, i. p. 21, t. 3. f. 1.

Acapulco, Mexico.

3. *TROGLODYTES FURVUS* (Gm.).

Coquimbo, November 1881.

Two specimens resembling other Chilian examples which have been called *T. hornensis* by Lesson (*cf.* Sharpe, Cat. B. Brit. Mus. vi. p. 257).

4. *ANTHUS CORRENDERA*, Vieill.; Scl. Ibis, 1878, p. 362.

♀. Coquimbo.

5. *SIURUS AURICAPILLUS* (L.); Baird, Brew., & Ridgw. N.-Am. B. i. p. 280.

Esquimalt, 1880.

6. *HELMINTHOPHAGA CHRYSOPTERA* (L.); Baird, Brew., & Ridgw. N.-Am. B. i. p. 192.

Two specimens without labels, probably from Esquimalt.

7. *DENDRÆCA AUREOLA* (Gould); Salv. Trans. Z. S. ix. p. 473. Charles I., Galapagos.

When writing my paper on the birds of the Galapagos Islands, I overlooked the record of the occurrence of this bird on the mainland, Fraser having obtained a specimen at Esmeraldas in 1859 (P. Z. S. 1860, p. 291). We have recently received specimens from the island of Puna; and MM. Jelski and Stolzmann found it at Santa Lucia, in Western Peru (*cf.* P. Z. S. 1877, p. 744).

8. *GEOTHYLPIS AURICULARIS*, n. sp.

Supra olivacea, capite summo cinereo, fronte anguste, loris et regione suboculari nigris, regione parotica saturate oleaginea; subtus læte flava, subalaribus et campterio alari luteis; rostri maxilla cornea, mandibula pallida, pedibus carneis. Long. tota 4.5, alæ 2.2, caudæ 1.7, rostri a rictu 0.68, tarsi 0.8.

♂. Callao, Peru, December 1881 (*A. H. Markham*).

Obs. *G. æquinoctiali* proxima, sed colore oleagineo regionis paroticæ distinguenda.

Capt. Markham's collection contains a single male specimen of this species, which seems different from the closely allied forms, of which *G. æquinoctialis* is perhaps the best known. *G. semiflava*, which is its nearest neighbour, has the whole of the ear-coverts black and no grey on the head. *G. chiriquensis* has the grey head, but the ear-coverts are black.

9. *AMPELIS GARRULA* (L.); Baird, Brew., & Ridgw. N.-Am. B. i. p. 401.

Esquimalt, 1880.

10. *HIRUNDO ERYTHROGASTER*, Bodd.; Salv. & Godm. Biol. Centr.-Am., Aves, i. p. 232.

♂. Callao, December 1881.

11. *TACHYCINETA THALASSINA* (Sw.); Salv. & Godm. Biol. Centr.-Am., Aves, i. p. 233.

Two specimens without labels, probably from Esquimalt.

12. *TACHYCINETA MEYENI* (Cab.); Baird, Rev. Am. B. i. p. 302.

♂. Coquimbo, November 1881.

13. *ATTICORA CYANOLEUCA* (Vieill.); Salv. & Godm. Biol. Centr.-Am., Aves, i. p. 229.

♀. Coquimbo, November 1881.

14. *CALLISTE INORNATA*, Gould; *Scl. & Salv. P. Z. S.* 1864, p. 350.

Panama, January 1882.

15. *RHAMPHOCÆLUS DIMIDIATUS*, Lafr.; *Scl. & Salv. P. Z. S.* 1864, p. 350.

Panama, January 1882.

16. *SALTATOR ALBICOLLIS* (Vieill.).

Saltator isthmicus, *Scl. & Salv. P. Z. S.* 1864, p. 351.

Panama, January 1882.

17. *SALTATOR ATRICEPS*, Less.; *Scl. & Salv. P. Z. S.* 1864, p. 351.

Panama, January 1882.

18. *CARDINALIS VIRGINIANUS* (L.); Baird, Brew., & Ridgw. *N.-Am. B.* ii. p. 100.

Acapulco, March 1880.

19. *GEOSPIZA FORTIS*, Gould; *Salv. Trans. Z. S.* ix. p. 481.

Charles I., Galapagos.

20. *PIEZORHINA CINEREA* (Lafr.); *Scl. & Salv. P. Z. S.* 1878, p. 137.

Camarhynchus cinereus, *Tacz. P. Z. S.* 1877, p. 321.

Payta, Peru.

This species, originally supposed by Lafresnaye, who described it, to be from the Galapagos Islands, is now known as an inhabitant of Western Peru, specimens having been obtained at Tumbes by MM. Jelski and Stolzmann, by Prof. Steere at Sorritos, and now by Capt. Markham at Payta.

21. *SPERMOPHILA TELASCO* (Less.); *Scl. Ibis*, 1871, p. 7.

♂. Callao, December 1881.

22. *VOLATINIA JACARINA* (L.); *Tacz. P. Z. S.* 1874, p. 520.

♂. Callao, December 1881.

23. *CYANOSPIZA LECLANCHERI* (Lafr.); *Lawr. Mem. Bost. Soc. N. H.* ii. p. 277.

Acapulco, March 1880.

24. *PHRYGILUS GAYI* (Eyd. & Gerv.); *Scl. P. Z. S.* 1867, p. 322.

♀. Coquimbo, November 1881.

25. *PHRYGILUS ALAUDINUS* (Kittl.); *Scl. P. Z. S.* 1867, p. 322.

♂ ♀. Coquimbo, November 1881.

26. *DIUCA GRISEA* (Less.); *Scl. P. Z. S.* 1867, p. 322.

♂ ♀. Coquimbo, November 1881.

Talcahuano, 1881.

27. ZONOTRICHIA PILEATA (Bodd.); *Scl. P. Z. S.* 1867, p. 322.
Coquimbo, November 1881.
28. ZONOTRICHIA GAMBELLI.
Zonotrichia leucophrys, var. *gambeli*, Baird, Brew., & Ridgw. N.-Am. B. i. p. 566.
Esquimalt, 1880.
29. SPIZELLA SOCIALIS (Wils.); Baird, Brew., & Ridgw. N.-Am. B. ii. p. 7.
Esquimalt, 1880.
30. EMBERNAGRA STRIATICEPS (Lafr.); *Scl. & Salv. P. Z. S.* 1864, p. 352.
Panama, January 1882.
31. HÆMOPHILIA MELANOTIS, Lawr. Mem. Bost. Soc. N. H. ii. p. 277.
Acapulco, March 1880.
32. CHRYSOMITRIS BARBATA (Mol.)
Chrysomitris capitalis, Tacz. *P. Z. S.* 1874, p. 522.
♂ ♀. Callao, September 1881.
33. SYCALIS LUTEOLA (Sparrm.); *Scl. Ibis*, 1872, p. 44.
♀. Coquimbo, November 1881.
Talcahuano, 1881.
34. CASSICULUS MELANICTERUS (Bp.); Lawr. Mem. Bost. Soc. N. H. ii. p. 278.
Acapulco, March 1880.
35. ICTERUS MESOMELAS (Wagl.); Tacz. *P. Z. S.* 1877, p. 223.
Payta, Peru.
36. ICTERUS PUSTULATUS (Wagl.); Lawr. Mem. Bost. Soc. N. H. ii. p. 280.
Acapulco, March 1880.
37. ICTERUS GRACE-ANNÆ, Cass.; *Scl. & Salv. P. Z. S.* 1878, p. 137.
Payta, Peru.
38. AGELEUS THILIUS, *Scl. P. Z. S.* 1867, p. 323.
Coquimbo, November 1881.
39. STURNELLA MILITARIS (L.); *Scl. P. Z. S.* 1867, p. 323.
Coquimbo, 1881.
♂. Chili.

40. STURNELLA BELLICOSA (De Fil.); Tacz. P. Z. S. 1874, p. 323.

Payta, Peru.

41. CURÆUS ATERRIMUS (Kittl.); Scl. P. Z. S. 1867, p. 323.

♂. Chili.

42. CYANOCITTA STELLERI.

Cyanura stelleri, Baird, Brew., & Ridgw. N.-Am. B. ii. p. 277.
Esquimalt, 1880.

43. CYANOCORAX MYSTACALIS (Geoffr.); Scl. & Salv. P. Z. S. 1878, p. 138.

Payta, Peru.

44. CALOCITTA FORMOSA (Sw.); Lawr. Mem. Bost. Soc. N. H. ii. p. 285.

Acapulco, March 1880.

45. AGRIORNIS LIVIDA (Kittl.); Scl. P. Z. S. 1867, p. 325.

Talcahuano, 1881.

46. LICHENOPS PERSPICILLATUS (Gm.); Cab. & Hein. Mus. Hein. ii. p. 47.

Coquimbo, November 1881.

47. CENTRITES NIGER (Bodd.); Scl. P. Z. S. 1867, p. 326.

♂. Coquimbo, 1881.

48. TODIROSTRUM CINEREUM (L.); Scl. & Salv. P. Z. S. 1864, p. 358.

Panama, January 1882.

49. ANÆRETES FERNANDEZIANUS (Phil.); Scl. Ibis, 1871, p. 179, t. vii. f. 1.

Juan Fernandez, March 1882.

50. ANÆRETES PARULUS (Kittl.); Scl. P. Z. S. 1867, p. 327.

♂. Talcahuano, 1881.

51. CYANOTIS AZARÆ (Naum.); Scl. P. Z. S. 1867, p. 327.

♂. Coquimbo, 1881.

52. ELAINEA ALBICEPS (d'Orb. & Lafr.); Tacz. P. Z. S. 1874, p. 536.

♀. Callao, December 1881.

53. MYIOZETETES TEXENSIS (Giraud); Lawr. Mem. Bost. Soc. N. H. ii. p. 286.

Acapulco, March 1880.

54. *PITANGUS DERBIANUS* (Kaup); Lawr. Mem. Bost. Soc. N. H. ii. p. 286.

Acapulco, March 1880.

55. *PYROCEPHALUS RUBINEUS* (Bodd.).

Payta, Peru.

♀. Callao, December 1881.

The Callao specimen is in the dusky plumage not unfrequent in birds of this species from the west coast of Peru.

56. *PYROCEPHALUS NANUS*, Gould; Salv. Trans. Z. S. ix. p. 492.
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57. *TYRANNUS MELANCHOLICUS*, Vieill.; Lawr. Mem. Bost. Soc. N. H. ii. p. 288.

Acapulco, March 1880.

58. *HETEROPELMA VERÆ-PACIS*, ScL. & Salv.; Lawr. Ann. Lyc. N. Y. vii. p. 473.

Panama, January 1882.

59. *GEOSITTA CUNICULARIA* (Vieill.); ScL. P. Z. S. 1867, p. 321.
♂ ♀. Coquimbo, 1881.

60. *FURNARIUS LONGIROSTRIS*, Pelz.; Ibis, 1881, p. 409.

Payta, Peru.

This bird agrees with our Ecuadorean specimens called *F. cinnamomeus*, Less.; but as it seems doubtful if this name really belongs to this species, we adopt that proposed for it by Herr v. Pelzeln.

61. *CINCLODES FUSCUS* (Vieill.).

Chilian Cordillera.

♂. Coquimbo, 1881.

62. *CINCLODES NIGRIFUMOSUS* (d'Orb. & Lafr.).

Cillurus nigrifumosus, Tacz. P. Z. S. 1874, p. 526.

San Lorenzo Island, Peru.

63. *LEPTASTHENURA ÆGITHALOIDES* (Kittl.); ScL. P. Z. S. 1867, p. 324.

♂ ♀. Coquimbo, November 1881.

64. *DENDRORNIS SUSURRANS* (Jard.); ScL. & Salv. P. Z. S. 1870, p. 839.

Panama, January 1882.

65. *PICOLAPTES SOULEYETI*, Lafr.; ScL. Cat. Am. B. p. 166.

Payta, Peru.

66. *CERCOMACRA TYRANNINA*, ScL.; ScL. & Salv. P. Z. S. 1864, p. 356.

Panama, January 1882.

67. *PTEROPTOCHUS ALBICOLLIS*, Kittl.; Scl. P. Z. S. 1867, p. 325.
♂. Coquimbo, November 1881.
68. *ACESTRURA MICRURA*, Gould, Intr. Troch. p. 92; Tacz. P. Z. S. 1877, p. 327.
Calothorax micrura, Gould, Mon. Troch. iii. pl. 148.
Payta, Peru.
69. *MYRTIS FANNY* (Less.).
Calothorax fanny, Gould, Mon. Troch. iii. p. 151.
♀. Lima, Peru.
70. *THAUMASTURA CORA* (Less.); Gould, Mon. Troch. iii. p. 153.
Rimac, Lima, Peru.
71. *RHODOPIS*, sp. inc.
Payta, Peru, November 1880.
A female specimen which I am not able to determine satisfactorily. It is considerably smaller than *R. vesper*, and may belong to *R. atacamensis*.
72. *EUSTEPHANUS GALERITUS* (Mol.); Gould, Mon. Troch. iv. pl. 265; Scl. Ibis, 1871, p. 181.
Juan Fernandez.
73. *AMAZILIA PRISTINA*, Gould, Mon. Troch. v. pl. 303.
Lima, Peru.
74. *SAPPHIRONIA CÆRULEOGULARIS* (Gould); Mon. Troch. v. pl. 446.
Colon, Isthmus of Panama.
75. *STENOPSIS ÆQUICAUDATA* (Peale); Tacz. P. Z. S. 1874, p. 545.
♂ ♀. Callao, September 1881.
76. *PICUS LIGNARIUS* (Mol.); Scl. P. Z. S. 1867, p. 328.
Coquimbo, November 1881.
77. *HYLOTOMUS PILEATUS*; Baird, Brew., & Ridgw. N.-Am. B. ii. p. 550.
Esquimalt, 1880.
78. *DRYOCOPUS LINEATUS* (L.); Tacz. P. Z. S. 1874, p. 546.
Payta, Peru.
79. *COLAPTES MEXICANUS*; Baird, Brew., & Ridgw. N.-Am. B. ii. p. 578.
Esquimalt, 1880.
80. *CENTURUS ELEGANS* (Sw.); Lawr. Mem. Bost. Soc. N. H. ii. p. 294.
Acapulco, March 1880.

81. *MOMOTUS MEXICANUS*, Sw. ; Lawr. Mem. Bost. Soc. N. H. ii. p. 289.

Acapulco, March 1880.

82. *CERYLE CABANISI*, Reich. ; Tacz. P. Z. S. 1874, p. 547.

♂ ♀. Rio Rimac, Peru, September 1881.

83. *CERYLE ALCYON* ; Baird, Brew., & Ridgw. N.-Am. B. ii. p. 392.

Esquimalt, 1880.

84. *CERYLE TORQUATA*, Tacz. P. Z. S. 1877, p. 328.

Rio Rimac, Peru, September 1881.

85. *CROTOPHAGA SULCIROSTRIS*, Sw. ; Tacz. P. Z. S. 1874, p. 548.

♂ ♀. Callao, Peru, September 1881.

Payta.

86. *PIAYA CAYENNENSIS* (Linn.).

Paya ridibundus, Lawr. Mem. Bost. Soc. N. H. ii. p. 293.

Acapulco, March 1880.

87. *CONURUS ERYTHROGENYS*, Less. ; Tacz. P. Z. S. 1877, p. 328.

Payta, Peru.

88. *CONURUS PETZII* (Hahn) ; Lawr. Mem. Bost. Soc. N. H. ii. p. 296.

Acapulco, March 1880.

89. *CONURUS CYANOLYSEOS*, Scl. P. Z. S. 1867, p. 328.

♂. Sandy Point, Straits of Magellan, August 1882.

90. *PHOLEOPTYNX CUNICULARIA*.

Athene cunicularia, Scl. P. Z. S. 1867, p. 339.

Coquimbo, 1881.

91. *GLAUCIDIUM NANUM* (King) ; Scl. P. Z. S. 1867, p. 338.

♀. Chili.

92. *CIRCUS CINEREUS* (Vieill.) ; Scl. P. Z. S. 1867, p. 330.

♂. Coquimbo, May 1882.

93. *ASTURINA RUFICAUDA*, Scl. & Salv.

Acapulco, March 1880.

94. *BUTEO ERYTHRONOTUS* (King) ; Scl. P. Z. S. 1867, p. 329.

Coquimbo, 1881.

95. *TINNUNCULUS CINNAMOMINUS*, Sw.

Tinnunculus sparverius, Sci. P. Z. S. 1867, p. 330.

♂. Chili.

Payta, Peru.

The Chilian specimen is a male with the head wholly slate-blue, without any rufous patch.

96. *TINNUNCULUS SPARVERIUS*, Baird, Brew., & Ridgw. N.-Am. B. iii. p. 169.

Esquimalt, 1880.

97. *FREGATA AQUILA*.

♂ ♀. Payta, Peru, January 1882.

The specimen marked a male is in the first plumage; the other is in change to the adult dress, dark feathers appearing all over amongst the white ones, showing that the bird was a male and not a female as it is marked.

98. *PELECANUS FUSCUS*, Gm.; Salv. Trans. Z. S. ix. p. 496.

♀. Payta, Peru, January 1882.

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99. *SULA CYANOPS* (Sundev.); Salv. Trans. Z. S. ix. p. 496.

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100. *SULA VARIEGATA* (Tsch.); Tacz. P. Z. S. 1874, p. 554.

Callao Bay, Peru, August 1881.

San Lorenzo I., Peru.

101. *PHALACROCORAX GAIMARDI* (Less.); Tacz. P. Z. S. 1874, p. 553.

San Lorenzo I., Peru.

102. *PHALACROCORAX BRASILIANUS*, Bp.; Tacz. P. Z. S. 1874, p. 553.

♂. Paracas Bay, Peru, October 1881.

103. *PHALACROCORAX*, sp.?

Guadalupe I., 1880.

A female or young bird, probably of *P. dilophus*.

104. *ARDEA EGRETTEA*, Gm.

Herodias egretta, Lawr. Mem. Bost. Soc. N. H. ii. p. 310

Acapulco, March 1880.

105. *ARDEA CÆRULEA*, Linn.

Florida cærulea, Lawr. Mem. Bost. Soc. N. H. ii. p. 310.

Acapulco, March 1880.

106. *BUTORIDES VIRESCENS* (Linn.); Lawr. Mem. Bost. Soc. N. H. ii. p. 310.

Acapulco, March 1880.

107. *BUTORIDES PLUMBEUS* (Sundev.); Salv. Trans. Z. S. ix. p. 497.

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108. *NYCTICORAX GARDENI*.

Nyctiardea nævia, Lawr. Mem. Bost. Soc. N. H. ii. p. 311.

Acapulco, March 1880.

109. *DAFILA BAHAMENSIS* (Linn.); Salv. Trans. Z. S. ix. p. 499.

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110. *BUCEPHALA ALBEOLA* (Linn.); Baird, B. N. Am. p. 797.

Esquimalt, 1880.

111. *ERISMATURA FERRUGINEA*.

♂. (Locality not given).

112. *COLUMBA FLAVIROSTRIS*, Wagl.; Lawr. Mem. Bost. Soc. N. H. ii. p. 304.

Acapulco, March 1880.

113. *MELOPELIA LEUCOPTERA* (Linn.); Lawr. Mem. Bost. Soc. N. H. ii. p. 305.

Acapulco, March 1880.

114. *SCARDAFELLA INCA* (Less.); Lawr. Mem. Bost. Soc. N. H. ii. p. 305.

Acapulco, March 1880.

115. *GALLINULA GALEATA*, Licht.; Tacz. P. Z. S. 1874, p. 559.

Callao, Peru, 1881.

116. *PORPHYRIOPS MELANOPS*, ScL. & Salv. P. Z. S. 1868, p. 461.

Porphyriops crassirostris (Gray); ScL. & Salv. loc. cit.

♀. Coquimbo Lagoon, Chili, November 1881.

117. *PARRA GYMNOSTOMA*, Wagl.; Lawr. Mem. Bost. Soc. N. H. ii. p. 312.

Acapulco, November 1880.

118. *ÆGIALITIS SEMIPALMATA* (Bp.); Tacz. P. Z. S. 1874, p. 560.

♂. Paracas Bay, October 1881.

♂. Coquimbo Lagoon, Chili, November 1881.

119. *ÆGIALITIS NIVOSA* (Cassin); ScL. P. Z. S. 1867, p. 331.

Chili.

120. *STREPSILAS INTERPRES* (L.); Tacz. P. Z. S. 1874, p. 560.
♂ ♀. Paracas Bay, October, 1881.

121. *HÆMATOPUS PALLIATUS*, Scl. P. Z. S. 1867, p. 339.
♀. Paracas Bay, Peru, October 1881.

122. *HÆMATOPUS ATER*, Scl. P. Z. S. 1867, p. 339.
San Lorenzo I., Peru.

123. *THINOCORUS RUMICIVORUS*, Eschsch.; Scl. P. Z. S. 1867,
p. 331.
Coquimbo, 1881.

124. *PHALAROPUS FULICARIUS* (Linn.); Baird, B. N. Am.
p. 707.

♂. Coquimbo Bay, Chili, November 1881.

"A solitary specimen got alongside the ship."

This species has never before been met with so far south on the
continents of America, and has not even been recorded from Mexico
or Central America.

125. *RHYNCHÆA SEMICOLLARIS*, Scl. P. Z. S. 1867, p. 339.

♂. Chili.

♂. Coquimbo, Chili, 1881.

126. *TRINGA MINUTILLA*, Vieill.

Tringa wilsoni, Baird, B. N. Am. p. 721.

Esquimalt, 1880.

127. *CALIDRIS ARENARIA* (Linn.); Scl. P. Z. S. 1867, p. 339.

♂ ♀. Coquimbo Bay, Chili, November 1881.

128. *EREUNETES PETRIFICATUS*, Ill.; Baird, B. N. Am. p. 724.

♂ ♀. Paracas Bay, October 1881.

129. *HETEROSCELUS INCANUS* (Gm.); Salv. Trans. Z. S. ix.
p. 503.

Heteroscelus brevipes, Baird, B. N. Am. p. 734.

Acapulco, March 1880.

Not previously noticed from Mexico.

130. *TRINGOIDES MACULARIUS* (Linn.); Baird, B. N. Am. p. 735.
No label.

131. *NUMENIUS HUDSONICUS* (Lath.); Tacz. P. Z. S. 1877,
p. 330.

♀. Paracas Bay, October 1881.

132. *NUMENIUS BOREALIS* (Forst.); Baird, B. N. Am. p. 744.

Charles I., Galapagos.

Not previously noticed on the Galapagos Islands.

133. *ANOUS GALAPAGENSIS*, Sharpe, Phil. Trans. clxviii. p. 469.

Anous stolidus, Salv. Trans. Z. S. ix. p. 504.

Charles I., Galapagos.

The single skin in Captain Markham's collection has unfortunately been injured by cockroaches, and the skin of the top of the head is almost entirely destroyed. A few feathers, however, remain, and these, so far as they go, confirm Mr. Sharpe's view as to the distinctive character of the Galapagos bird.

134. *DIOMEDEA BRACHYURA*, Temm.; Lawr. B. N. Am. p. 822; Coues, Pr. Ac. Phil. 1866, p. 177.

At sea, lat. 33° N., long. 119° W., March 1880.

135. *DIOMEDEA MELANOPHRYS*, Temm.; Coues, Pr. Ac. Phil. 1866, p. 181.

Talcahuano Bay, Chili.

136. *DIOMEDEA IRRORATA*, sp. n.

Supra dorso medio et alis extus fuliginoso-fuscis, dorso antico et uropygio albis nigro transverse variegatis; capite et cervice tota albis, hac supra flavo lavata; subtus abdomine toto griseo-fusco, albo præcipue in pectore et crisso, minutissime irrorato; alis intus quoque albo et fusco variegatis; cauda fusca ad basin alba; rostro flavido, mandibulæ apice corneo, pedibus corylinis. Long. tota 35.0, alæ 20.5, caudæ 5.5, rostri a rictu 6.2, tarsi 3.8, dig. med. 5.1.

♂. Callao Bay, Peru, December 1881.

The Albatross described above seems quite distinct from any hitherto known. It appears to come next to *D. melanophrys*, having the bill similarly constructed (*cf.* Coues, Pr. Ac. Phil. 1866, pp. 186, 187), but the bill is much longer and the bird larger in all its dimensions, except the tail, which is shorter and more rounded. In coloration, too, there is great difference, the upper back and rump being variegated with dusky and white instead of pure white, and the abdomen wholly dusky with minute white freckles.

137. *CYMOCHOREA MARKHAMI*, sp. n.

Omnino fuliginosa fere unicolor, capite toto paulo plumbescentiore, tectricibus alarum dilutioribus, cauda profunde furcata, rostro et pedibus nigerrimis. Long. tota 9.0, alæ 6.9, caudæ rectr. med. 2.6, rectr. lat. 3.8, tarsi 1.0, dig. med. 1.1, rostri a rictu 1.0.

♀. Coast of Peru, lat. 19° 40' S., long. 75° W., December 1881.

Obs. C. melaniæ, Bp., apud Coues, certe similis, sed capite plumbescente, tarsis brevioribus forsan diversa.

This species is certainly very closely allied to *C. melania* of Bonaparte as described by Dr. Coues (Pr. Ac. Phil. 1864, p. 76), but the head of that species is described as being darker on the sides and the region of the eyes as well as the upper parts generally. This can hardly be said to be the case in the present bird, the whole

head and throat being rather paler than the body and with a plumbeous rather than a sooty tint.

As in *C. leucorrhoa* the wing-coverts are lighter than any part of the wing; but this species is obviously distinct, having a white rump, as is also the case with Mr. Ridgway's *C. cryptoleucura*.

Captain Markham's collection contains two specimens of this species, which I propose to call after him. Both are marked as females. No species of this genus has been previously noticed in these seas, *C. melania* being from the coast of Mexico.

138. *MAJAEQUEUS ÆQUINOCTIALIS* (Linn.); Coues, Pr. Ac. Phil. 1864, p. 118; Salv. Orn. Misc. i. p. 232.

♀. Coquimbo, Chili, June 1882.

139. *PUFFINUS GRISEUS* (Gm.); Salv. Orn. Misc. i. p. 236.

Callao Bay, Peru, August 1881.

140. *PUFFINUS CREATOPUS*, Coues; Pr. Ac. Phil. 1864, p. 131; Salv. Ibis, 1875, p. 376.

♂. Coquimbo Bay, Chili, November 1881.

141. *PUFFINUS OBSCURUS* (Gm.).

Charles I., Galapagos.

Not previously noticed in the Galapagos Archipelago.

142. *THALASSECA GLACIALOIDES* (Smith); Coues, Pr. Ac. Phil. 1866, p. 30.

♂ ♀. Coquimbo Bay, Chili, November 1881.

♂. Valparaiso, Chili, July 1882.

143. *OSSIFRAGA GIGANTEA* (Gm.); Coues, Pr. Ac. Phil. 1866, p. 32.

♀. Coquimbo Bay, Chili, November 1881.

144. *ÆSTRELATA DEFILIPPIANA*, Gigl. & Salvad.; Salv. Orn. Misc. i. p. 255, pl. 33.

♀. Coast of Chili, December 1881.

145. *ÆSTRELATA NEGLECTA* (Schl.); Mus. d. Pays-Bas, vi. *Procell.* p. 10.

Juan Fernandez, March 1882.

Two specimens in Captain Markham's collection are in all essential particulars so much like one of MacGillivray's examples of *Æ. neglecta* from the Kermadec Is., that I hesitate to separate them. The only differences I can trace are in the coloration of the lower plumage, which, in the Juan-Fernandez examples, is dusky instead of white, and in the inner web of the primaries, except at the tip, being white right up to the shaft of the feather instead of having a dark strip dividing the white portion of the web from the shaft.

One of the Juan-Fernandez birds is rather lighter-coloured beneath

than the other, and in this respect approaches nearer to *Æ. neglecta* and shows that there probably exists no definite distinction between the light- and dark-coloured birds. Moreover the dark-coloured specimen has the tarsi and the proximal portion of the digits and the intervening webs dark like the rest of the foot; the other has these parts the normal colour, as found in the generality of *Æstrelatæ*. This fact is of importance as tending to show that the colour of the tarsi and toes cannot always be looked upon as a specific character.

In *R. arminjoniana* the primaries beneath are only white at the base; but this species and *R. neglecta*, I am now disposed to think, are more nearly allied than I formerly believed to be the case (*cf.* Orn. Misc. i. p. 252, pl. 31).

146. *DAPTION CAPENSIS* (Linn.); Coues, Pr. Ac. Phil. 1866, p. 162.

West coast of South America, lat. 25° S., long. 85° W.

„ „ lat. 20° S., long. 71° W.

147. *PELECANOIDES GARNOTI* (Lesson); Coues, Pr. Ac. Phil. 1866, p. 190.

♂ ♀. Coquimbo Bay, Chili, November 1881.

I much doubt if there is more than one variable species of this form, which should bear the name of *P. urinatrix* (Gm.).

148. *PODICEPS MAJOR*, Bodd.; Scl. & Salv. Ex. Orn. p. 190.

♀. Coquimbo Bay, Chili, November 1881.

149. *PODICEPS ROLLANDI*, Scl. & Salv. Ex. Orn. p. 190.

Talcahuano, Chili, 1881.

6. Further Notes on the Birds of the Argentine Republic By E. W. WHITE, F.Z.S.¹

[Received June 18, 1883.]

These notes refer to some specimens, which I was unable to determine until I had the opportunity of consulting the collections of Mr. Sclater and Messrs. Salvin and Godman, who have kindly furnished the necessary names.

1. *NOTHOPROCTA DOERINGI*.

♂. Cosquin, Cordova, Arg. Rep., Aug. 1st, 1882.

Iris reddish brown.

This is the only example of this species that I have met with in the Argentine Republic, where it evidently seems to be rare. It was brought to me alive by a native who had been out on the mountains driving cattle; he told me that they were only to be met with on the highest parts of the Sierras, which are covered with a coarse kind of grass: the elevation would be about 3000 ft. above the sea-level.

¹ See P. Z. S. 1882, p. 591, et 1883, p. 37.

2. *BUBO VIRGINIANUS* (Gm.).

♀. Cosquin, Cordova, Arg. Rep., Sept. 1, 1882.

Iris amber.

This bird was brought to me alive, and I managed to keep it for some time; in fact they soon become very tame and tractable, some of the natives keeping them as pets loose about the farmyard. There are a few to be met with in this valley; and once I went a journey of some distance with a friend to the roosting-place of a pair in the highlands near the mountain-ravines; he told me that he had often observed them in some large Algarroba trees.

Our visit was fruitless, but we had ample evidence of their having been there lately. The local name for this Owl is "Quitilipe," evidently given it from its peculiar hooting.

3. *ARAMIDES YPECAHA* (Vieill.).

♂. La Plata, Buenos Aires, Arg. Rep., Nov. 2, 1882.

Iris brown.

I obtained my specimen in a fine lagoon near La Plata. I have observed them in other parts of the country, but I do not consider them by any means abundant.

4. *ÆCHMOPHORUS MAJOR* (Bodd.).

♂. La Plata, Buenos Aires, Arg. Rep., Nov. 20, 1882.

Iris amber.

I did not observe many of these birds about this locality.

5. *UPUCERTHIA DUMETORIA* (Geoffr. et d'Orb.).

♂. Cosquin, Cordova, Arg. Rep., June 19, 1882.

Iris dark brown.

I only obtained two specimens of this species; they were met with in the woodlands, where the trees are rather scattered, forming pretty glades.

6. *PLACELLODOMUS SINCIPITALIS* (Cab.).

♂. La Plata, Buenos Aires, Arg. Rep., Nov. 2, 1882.

Iris amber.

This bird I obtained in a wood, in fact in the same locality as the allied species, and no doubt, owing to its similarity, have often passed it over without notice.

7. *PICOLAPTES ANGUSTIROSTRIS* (Vieill.).

♂. Cosquin, Cordova, Arg. Rep., June 19, 1882.

♀. Cosquin, Cordova, Arg. Rep., June 21, 1882.

Iris dark.

Not uncommon in the Algarroba woods on the slopes of the mountains.

8. *SYCALIS ARVENSIS*.

♀. La Plata, Buenos Aires, Arg. Rep., Nov. 14, 1882.

Iris brown.

Found commonly in flocks on the plains; it makes a pleasant

chirping when disturbed ; they nest on the ground, under or near a tuft of high grass.

9. *PHLÆOCRYPTES MELANOPS* (Vieill.).

♂. La Plata, Buenos Aires, Arg. Rep., Nov. 14, 1882.

♀. La Plata, Buenos Aires, Arg. Rep., Nov. 6, 1882.

Iris sepia.

These birds are found abundantly about the lagoons, where they may be seen darting about amongst the tall reeds that form a thick mass round the edge of the water ; they are rather difficult to distinguish, as they are of a sombre colour and keep well amongst the reeds, only occasionally taking a short flight from one clump to another. I found their nests abundant ; rather round in shape, with the aperture near the tip, which is very strong and neatly rounded off. The nest is made of grass supported on three or four reeds joined together for that purpose ; it is built about a foot above the water, and is a very neat and strong structure ; the interior is nicely lined. I once found two nests together, one on the top of the other ; the underneath one was occupied, but that above seemed not to have been quite finished.

Three eggs, in a clutch, of a uniform dull pale-green colour.

Measurement : axis 22 millim., diam. 15 millim.

7. On a Collection of Birds from Yucatan. By A. BOUCARD, C.M.Z.S. With Notes by OSBERT SALVIN, M.A., F.R.S.

[Received June 18, 1883.]

From October 1878 to August 1881 Mr. G. F. Gaumer (the well-known American collector of *Amblychila cylindriciformis* and other rare insects) traversed various parts of the State of Yucatan, in Mexico, with the object of making collections of natural history. At my request he consented to devote himself particularly to birds and to study their habits. The notes and observations which he has sent me on the general aspect of the country and the habits of the birds collected are so interesting, that I have determined to have them published ; and for that purpose I have carefully named all the birds he sent me and have prepared the following list. Among the birds collected by Mr. Gaumer are some great rarities, such as *Meleagris ocellata*, *Chrysotis xantholora*, *Melanoptila glabrirostris*, *Pyranga roseigularis*, *Icterus auratus*, *Cyanocitta yucatanica*, and *Amazilia yucatanensis*, which have been found up to the present time only in Yucatan and in the adjoining countries ; but a great number of the species found by Mr. Gaumer are the same as those which I collected myself at San Andres Tuxtla and Playa Vicente, countries situated south of Mexico on the Atlantic side, such as *Crypturus sallæi*, *Penelope purpurascens*, *Crax glo-*



Salvin, Osbert. 1883. "A List of the Birds collected by Captain A. H. Markham on the West Coast of America." *Proceedings of the Zoological Society of London* 1883, 419–434.

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