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[From "Novitates Zoologicae." Vol. XV. November, 1908.]

ON THE BIRDS OF CAYENNE.

By HANS GRAF VON BERLEPSCH.

(Continued from p. 164.)

FAMILY TROCHILIDAE.*

281. *Glaucis hirsuta* (Gml.).

Trochilus hirsutus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 490 (hab. Brasilia ex Marcgr.—hab. substit. Bahia—aut. Berl. & Hart.).

Cayenne: 1 ♂ juv., October 31; 1 ♀, November 2, 1902.

Roche-Marie: 2 ♂♂ ad., November 7, 12; 1 ♂ jr., November 11, 1902.

Approuague: 2 ♂♂ ad., December 17, 18; 1 ♀ jr., December 18, 1902.

"Iris seal, feet buff (buffy), claws dusky, bill above black, below chrome-yellow, dusky at tip."

♂♂: al. $65\frac{3}{4}$ —62; caud. $41\frac{1}{2}$ — $39\frac{1}{2}$; culm. $30\frac{1}{2}$ — $28\frac{1}{2}$ mm.

♀♀: al. 58— $56\frac{1}{2}$; caud. $36\frac{3}{4}$ — $34\frac{3}{4}$; culm. 29—28 mm.

Nos. 421, 471, 589, 707, 730, 12747, 12761, 12762.

[Cayenne (Gould collection in Mus. Brit., Deplanches leg.—*fide* Bp.) Mahury (Geay leg. in Mus. Paris).]

[282. *Threnetes leucurus* (Linn.).

Trochilus leucurus Linné, *Syst. Nat.* ed. xii. 1 (1766), p. 190 (ex Edw. t. 256. f. 1—typ. ex Surinam).

"Rarely occurs in collections from Cayenne" (Gould ex Bourcier).]

[283. *Threnetes antoniae* (Bourc. and Muls.).

Trochilus antoniae Bourcier et Mulsant, *Ann. Sc. Phys. et Nat. Lyon* ix. (1846) p. 329 ("Patrie: Cayenne").

Cayenne (Salvin & Godman and Gould colls. in Mus. Brit., Mus. H. v. B.).
St. Jean du Maroni (Mus. Simon—*fide* E. Simon in litt.).]

284. *Phaethornis superciliosus* (Linn.).

Trochilus superciliosus Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 189 (ex Brisson †—typ. ex Cayenne).

Phaethornis fraterculus Gould, 1861.

Ipousin, R. Approuague: 1 ♂ ad., January 8, 1903.

* *Phaethornis rupurumii* Boucard, of British Guiana, has not yet been detected in Cayenne, but as we know that a nearly allied form—viz. *Ph. rupurumii amazonus* Hellm.—occurs on the Lower Amazon, it is not unlikely that either the former or the latter may be an inhabitant of Cayenne.

† As pointed out by me long ago (*Journ. f. Orn.* 1888. p. 3 nota), there is no doubt that the *Trochilus superciliosus* Linné, founded on Brisson's description, is the small species with short and curved bill, named *Ph. fraterculus* by Gould. It is true that Brisson's description of the under tail-coverts suits better the large species with the straight long bill (viz. *Ph. malaris* Nordm.), but Brisson's measurements and figure leave no doubt that the object of his description belonged to the small species.

"Iris seal, feet pale greyish, bill black above, below orange ochraceous, with dusky tip."

No. 13052.

Al. $58\frac{3}{4}$; caud. $65\frac{3}{4}$; culm. $37\frac{3}{4}$ mm.

[Cayenne (Gould and Sclater collections in Mus. Brit., Brisson, Deplanches leg.—*vide* Bp.). St. Jean du Maroni (Geay leg. in Mus. Paris).]

285. *Phaethornis malaris* (Nordm.).

*Trochilus malaris** Nordmann in Erman's *Reise, Verz. Thiere & Pflanzen* (1835) p. 2 (hab. non indic.—typ. in Mus. Berol. ex Cayenne).

Ipousin, R. Approuague : 1 ♂ ad. and 1 ♀ ad., January 5, 1903.

Roche-Marie, Cayenne : 1 ♀ ad., November 7, 1902.

"Iris seal, feet purplish flesh (dusky drab), claws blackish, bill above black, below vermilion red, with dusky tip (scarlet dusky at tip)."

Nos. 598, 13008, 13009.

♂ : al. $65\frac{1}{2}$; caud. $75\frac{1}{2}$; culm. 45; rectr. subext. $35\frac{1}{2}$ mm.

♀ ♀ : al. $64\frac{1}{2}$ —63; caud. $75\frac{3}{4}$ —75; culm. $43\frac{1}{2}$; rectr. subext. $41\frac{3}{4}$ — $39\frac{3}{4}$ mm.

[Cayenne (Gould and Sclater collections in Mus. Brit., Mus. H. v. B., Mus. Hein.).]

286. *Phaethornis bourcieri* (Less.).

Trochilus bourcieri Lesson, *Hist. Nat. Troch.* (1832-33) p. 62. Pl. 18 (coll. Lucien Bucquet, hab. "Brésil"—errore!—hab. substit. Cayenne).

Ipousin, R. Approuague : 1 ♂ ad., January 5, 1903.

"Iris seal, feet greyish flesh, bill above blackish, below orange-chrome, with dusky tip."

No. 18011.

Al. 60; caud. 61; culm. $31\frac{1}{2}$ mm.

[Cayenne (Gould and Sclater collections in Mus. Brit., Mus. H. v. B., Mus. Heineau.). Ouanary (Geay leg. in Mus. Paris).]

287. *Pygmornis longuemareus* (Less.).

Trochilus longuemareus Lesson, *Hist. Nat. Troch.* (1832) pp. 15, 160, xv. Plchs. 2, 62 (habite les environs de Cayenne).

Cayenne : 2 ♂♂ ad., October 29, 1902.

Roche-Marie : 1 ♂ ad., November 6, 1902.

Approuague : 3 ♂♂ ad., December 10, 11, 15; 3 ♀♀ ad., December 1, 16, 18, 1902.

Nos. 386, 367, 581, 1095, 1124, 12722, 12733, 12748, 12763.

"Iris seal, feet dusky (dusky flesh, buffy, claws dusky), bill black, basal two-thirds mandible chrome-yellow (above black, below chrome-yellow)."

♂♂ ad. : al. $45\frac{3}{4}$ — $42\frac{1}{2}$; caud. $43\frac{3}{4}$ —41; culm. $26\frac{3}{4}$ — $25\frac{1}{2}$ mm.

♀♀ ad. : al. 46— $43\frac{3}{4}$; caud. $42\frac{1}{2}$ — $39\frac{1}{2}$; culm. 25 $\frac{3}{4}$ mm.

[Cayenne (Salvin & Godman, Gould, and Sclater collections in Mus. Brit., Mus. H. v. B., ? Deplanches leg.—*vide* Bp.—sub nomine *intermedius* Less.) Mahury † and Ouanary (Geay leg. in Mus. Paris).

* Dr. Hellmayr thinks this to be the true *superciliosus* Linné, but I cannot agree with him. Some specimens of true *superciliosus* (*fraterculus* Gould) have the under tail-coverts rusty white (instead of pure white), and the outer tail-feathers margined with rufous, resembling in this way the large species, viz. *Ph. malaris* (Nordm.).

† Hellmayr tells me that the bird from Mahury, named *P. striigularis* by M. Menegaux, is the same as *P. longuemareus*.

288. *Pygmornis ruber* (Linn.).

Trochilus ruber Linné, *Syst. Nat.* ed. x. 1 (1758) p. 121 (ex Edwards, t. 32, f. 1—typ. ex Surinam).
Cf. Hellm. *Rev. d. Spix'schen Typen in Abhandl. Bayer. Akad. Wissensch.* ii. Kl. xxii. 3 (1906)
p. 718.

Tortue, R. Approuague: 1 ♀ ad., January 12, 1903.

“Iris seal, feet buffy yellow, bill blackish, basal two-thirds mandible lemon-yellow.”

No. 13066.

Al. $36\frac{1}{2}$; caud. 34; culm. $22\frac{1}{2}$ mm.

[Cayenne (Sclater and Gould collections in Mus. Brit.).]

289. *Campylopterus largipennis* (Bodd.).

Trochilus largipennis Boddaert, *Tabl. Pl. Enl.* (1783) p. 41 (ex Daubent. *Pl. Enl.* 672. f. 2—typ. ex Cayenne).

Cayenne (Salvin & Godman, Slater, and Gould collections in Mus. Brit., Mus. H. v. B., Deplanches leg.—*vide* Bp.). Maroni (Geay leg. in Mus. Paris).]

[290. *Eupetomena macroura* (Gml.).

Trochilus macrourus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 487 (ex Brisson—typ. ex Cayenne, Mus. de Bandeville, excl. quot. Sloane et Marcgr.—hab. “Jamaica”—errore!).
Eupetomena macroura prasina Simon, 1897.

Cayenne (Brisson, Mus. H. v. B., Mus. Simon).]

291. *Anthracothorax gramineus* (Gml.).

Trochilus gramineus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1783) p. 488 (ex Buffon: *Hausse col vert*, vol. vi. p. 58—typ. ex Cayenne).

? *Trochilus violicauda* Boddaert, 1873 (ex Daubent. *Pl. Enl.* 671. fig. 2—typ. ex Cayenne), ♀.

Cayenne: 2 ♂♂ ad., October 17, December 2; 1 ♂ juv., December 4; 3 ♀♀ ad., November 15, 21, 29, 1902.

Is. Le Père: 1 ♂ ad., October 25; 3 ♀♀ ad., October 24 (two), 25, 1902.

Nos. 158, 308, 330, 335, 780, 822, 840, 983, 992, 1013.

“Iris seal, feet black (blackish), bill black.”

♂♂ ad.: al. $73\frac{1}{2}$ —70; caud. 41— $37\frac{1}{2}$; culm. $28\frac{3}{4}$ — $27\frac{1}{2}$ mm.

♀♀ ad.: al. 71—68; caud. $39\frac{3}{4}$ — $36\frac{3}{4}$; culm. $34\frac{1}{2}$ — $28\frac{1}{2}$ mm.

Two adult birds marked ♀♀ (from October 24 and 25) generally agree with the adult males, but have the green throat shield replaced by dull blackish feathers, with bluish-green margins to the tips of some of them; other specimens marked ♀♀ have the underparts white with a broad black longitudinal band from the throat to the vent. Two ♀♀ of November 15, 21, have the sides of the throat strongly washed with rufous, while others from October 24 and November 29 show not the slightest trace of a rufous wash. The latter are evidently fully adult birds, as are also the females with the dark underparts, and another with the rufous suffusion on the sides of the throat. At present I am unable to explain these different styles of coloration.

[Cayenne (Buffon). (Gould and Slater collections in Mus. Brit., Mus. H. v. B.).]

[292. *Anthracothorax nigricollis* (Vieill.).

Trochilus nigricollis Vieillot, *Nouv. Dict.* vii. (1817) p. 349 (typ. ex Brésil—hab. substit. Rio de Janeiro).

Cayenne (Deplanches leg.—*vide* Bp.).]

293. *Florisuga mellivora* (Linn.).

Trochilus mellivorus Linné, *Syst. Nat.* ed. x. 1 (1758) p. 121 ("ex Indiis"—errore!—ex Edwards, typ. ex Surinam, Cab. of Duke of Richmond).

Ipousin, R. Approuague : 1 ♀ imm., December 24, 1902.

"Iris seal, feet blackish, bill black."

No. 12799.

Al. $68\frac{1}{2}$; caud. $37\frac{1}{2}$; culm. $18\frac{3}{4}$ mm.

[Cayenne (Salvin & Godman and Sclater collections in Mus. Brit., Mus. H. v. B., Deplanches leg.—*fide* Bp.).]

[294. *Topaza pella* (Linn.).

Trochilus Pella Linné, *Syst. Nat.* ed. x. 1 (1758) p. 119 (ex Edwards, tab. 32—hab. "in Indiis," sed typ. ex Surinam in Mus. Duke of Richmond—*fide* Edw.).

Cayenne (Salvin & Godman and Gould collections in Mus. Brit., Deplanches leg.—*fide* Bp., Mus. H. v. B.).]

[295. *Avocettula recurvirostris* (Swains.).

Trochilus recurvirostris Swainson, *Zool. Illustr.* ii. (1822) Pl. 105 (typ. in Mus. Swainson ex coll. Bullock, hab. "Peru"—errore!—habit. substit. Cayenne).

Cayenne (Mus. H. v. B., Mus. Heinean., Deplanches leg.—*fide* Bp.).]

296. *Chrysolampis elatus* (Linn.).

Trochilus elatus Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 192. ex Edw. tab. 344. fig. super.—hab. in India orientali—errore!—(typ. ex Cayenne Mus. Earl of Ferrers, *fide* Edw.).

Chrysolampis mosquitus aut. nec *Trochilus mosquitus* Linn.*

Cayenne : 3 ♂♂ ad., October 13, 27, 29; 1 ♀ ad., October 29, 1902.

Roche-Marie : 1 ♀ juv., November 10, 1902.

"Iris seal, feet black, bill black, dusky at base of mandible."

Nos. 83, 350, 388, 389, 659.

♂♂ ad. : al. 57—55; caud. $35\frac{1}{2}$ —34; culm. $11\frac{1}{2}$ — $10\frac{3}{4}$ mm.

♀ ad. : al. $54\frac{3}{4}$; caud. $31\frac{1}{2}$; culm. $13\frac{3}{4}$ mm.

[Cayenne (Salvin & Godman, Sclater, and Gould collections in Mus. Brit., Deplanches leg.—*fide* Bp.) Sinnamary (Geay leg. in Mus. Paris).]

[297. *Polytmus thaumantias chrysobronchus* (Shaw).

Trochilus Thaumantias Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 190 (ex Marcgrave—hab. "in America merid."—habit. restrict. Bahia, Brasil or. ex Marcgr.).

Trochilus chrysobronchus Shaw, *Gen. Zool.* viii. 1 (1812) p. 287 (ex Audebert & Vieillot *Ois. Dorées* i. tab. 41—hab. "Guiana," sc. Cayenne).

Cayenne (Deplanches leg.—*fide* Bp.).]

[298. *Polytmus theresiae* (Da Silva).

Ornismya Theresiae Da Silva Maia, *Minerva Braziliensis*, 1^o Nov. 1843. p. 2 (typ. ex Pará, coll. Rodrigo de Souza da Silva Pontes, in Mus. Nacional Rio de Janeiro). Cf. H. & R. v. Ihering,

As Aves do Brazil (1907) p. 426.

Cayenne (Salvin & Godman and Sclater collections in Mus. Brit., Mus. H. v. B., Mus. Heinean.).]

* *Trochilus Mosquitus* Linné, *Syst. Nat.* ed. x. (1858) p. 120, of which a more detailed description is given by that author in Mus. Ad. Frid., tomi secundi Prodrumus, p. 24, cannot be a *Chrysolampis*, as the "remiges ultimae" are described as "ferrugineae," and as the bird described was evidently of much larger size ("corpus passeris"). Perhaps Linné's bird was a wretched specimen of *Topaza pella*!

299. *Heliothrix aurita* (Gml.).

Trochilus auritus Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 493 (hab. Cayenne—ex Brisson, typ. in Mus. Réaumur, envoyé à M. de Montigny de Cayenne).

Cayenne : 1 ♀ ad., December 4, 1902.

No. 1006.

“ Iris seal, feet blackish, bill black.”

♀ : al. 65 ; caud. 64 ; culm. $17\frac{1}{2}$ mm.

[Cayenne (Gould collection in Mus. Brit., Deplanches leg.—*fide* Bp.).]

300. *Thalurania furcata* (Gml.).

Trochilus furcatus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 486 (ex Brisson, typ. ex Cayenne, excl. syn. Sloane et Macgr. apud Brisson et excl. hab. “ Jamaïque et Brésil ”).

Ipousin, R. Appronague : 4 ♂ ad., December 27, 28, 1902, January 6, 8, 1903 ; 1 ♀ ad., January 5, 1903.

“ Iris seal (seal-brown), feet dusky slate (♀ dusky), bill black (blackish).”

Nos. 12865, 12879, 13022, 13053, 13012.

♂♂ ad. : al. 53—51½ ; caud. $40\frac{3}{4}$ —36 ; culm. $18\frac{1}{2}$ — $18\frac{1}{4}$; caudae furca 20— $12\frac{1}{2}$ mm.

♀ : al. 51 ; caud. $29\frac{1}{2}$; culm. $18\frac{3}{4}$; caudae furca 4 mm.

[Cayenne (H. C. Rothery in Brit. Mus., Mus. H. v. B., Deplanches leg.—*fide* Bp.). Camopi, Ouanary, Mahury and St. Jean du Maroni (Geay leg. in Mus. Paris).]

[301. *Anthoscaenus longirostris* (Vieill.).

Trochilus longirostris Vieillot et Audebert, *Ois. Dor.* i. (1802) p. 128. Pl. 59 (“ Indes Occidentales,” coll. Parkinson in Mus. M. Thompson, hab. substit. Trinidad, aut. Berl. & Hart.).

Tr. superbus Shaw, 1802. Pl. 517.

Cayenne (Mus. Heinean.).]

[302. *Doleromyia fallax* (Bourc.).

Trochilus fallax Bourcier, *Ann. Soc. Sc. Phys. et Nat. Lyon.* vi. (1843) p. 44 (typ. ex Caracas).

Cayenne (Geay leg. in Mus. Paris, also a true Cayenne skin from the Gould collection in the British Museum—*fide* Hellmayr in litteris).]

303. *Agyrtria leucogaster* (Gml.).

Trochilus leucogaster Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 495 (ex Brisson—typ. ex Cayenne, Mus. Aubry).

Cayenne : 5 ♂♂ ad., October 14, 16, 20, 29, November 4 ; 1 ♀ ad., October 29, 1902.

Roche-Marie : 2 ♂♂ ad., November 10, 13, 1902.

Is. Le Pére : 1 ♂ ad., October 24, 1902.

“ Iris seal, feet black (blackish), bill above black, below reddish flesh with blackish tip (below pale flesh with blackish tip, basal two-thirds mandible pale flesh-colour, below reddish flesh, dusky at tip).”

Nos. 134, 150, 231, 323, 384, 385, 518, 657, 752.

♂♂ ad. : al. $55\frac{1}{2}$ — $52\frac{1}{4}$; caud. $31\frac{1}{2}$ — $30\frac{1}{4}$; culm. $21\frac{3}{4}$ —20 mm.

♀ ad. : al. 53 ; caud. $30\frac{3}{4}$; culm. $20\frac{3}{4}$ mm.

[Cayenne (Salvin & Godman and Gould collections in Mus. Brit., Mus. H. v. B., Deplanches leg.—*fide* Bp.). “ Bords du Mana ” (Geay leg. in Mus. Paris).]

? [304. *Agyrtria chionopectus* (Gould).

Thaumatias chionopectus Gould, *Monogr. Troch.* v. (Sept. 1859) Pl. cxciii. (typ. ex Trinidad, coll Tucker in Mus. Brit.).

Cayenne (Geay leg. in Mus. Paris, *vide* Meneg. s.n. "*niveipectus*"*), also Surinam (Mus. H. v. B.).]

305. *Agyrtria fimbriata* (Gml.).

Trochilus fimbriatus Gmelin,† *Syst. Nat.* ed. xiii. i. 1 (1788) p. 493 (ex Brisson iii. p. 706. No. 7. t. 36. f. 2—typ. ex. Cayenne, envoyé à M. de Réaumur par "M. des Essars").

Ornismya albiventris Lesson, 1829.

Cayenne : 8 ♂♂ ad., October 10, 11, 13, 17, 27, November 3, 4; one adult, November 3; 3 ♀♀, October 10, November 3; one young bird, October 31, 1902.

Roche-Marie : 2 ♂♂ ad., November 5, 10; two adults, November 6, 8; 3 ♀♀, November 5, 9, 11; 1 ♂ juv., November 5, 1902.

Is. Le Père : 1 ♂ ad., October 25; 2 ♀♀ ad., October 23, 25, 1902.

Approuague : 3 ♀♀, December 8, 17, 1902.

"Iris seal (juv., dusky), feet black (blackish, dusky), bill above black, mandible reddish flesh-colour with blackish tip (below reddish flesh with black tip, pale at base of mandible, below flesh-colour with dusky tip, flesh-colour basal two-thirds mandible, flesh-red basal one-half mandible, flesh-white at base mandible, dusky flesh at base of mandible.)"

Nos. 41, 42, 45, 72, 73, 79, 159, 297, 336, 337, 349, 422, 476, 477, 478, 517, 532, 533, 534, 561, 638, 648, 656, 687, 1056, 1138, 12758.

♂♂ ad. : al. $58\frac{1}{2}$ — $55\frac{3}{4}$; caud. $33\frac{3}{4}$ — $30\frac{1}{2}$; culm. $21\frac{1}{2}$ — $19\frac{3}{4}$ mm.

♀♀ ad. : al. $54\frac{1}{2}$ —52; caud. $32\frac{1}{2}$ —28; culm. $21\frac{3}{4}$ — $19\frac{3}{4}$ mm.

[Cayenne (Salvin & Godman, and Gould collections in Mus. Brit., Mus. H. v. B., Mus. Heinean., Deplanches leg.—*vide* Bp.). Onanary (Geay leg. in Mus. Paris).]

306. *Chlorestes notatus* (Reich).

Trochilus notatus G. Chr. Reich,‡ *Magazin des Thierreichs* (Erlangen) i. Abth. 3 (1795) p. 129: ex Richard & Bernard, *Cat. Ois. env. de Cayenne à la Soc. par M. le Blond in Actes Soc. Hist. Nat. Paris*, i. 1 (1792) p. 117. No. 48—typ. ex Cayenne).

Trochilus chalybeicaudus Suckow,‡ 1800 (ex Rich. & Bern. No. 48).

Trochilus coeruleus Vieill. 1817 (typ. ex Cayenne).

Cayenne : 1 ♂ ad., November 2; 1 ♂ juv., November 4, 1902.

Roche-Marie : 2 ♀♀, November 8, 11; 1 (♂) juv. (marked ♀?), November 10, 1902.

Approuague : 1 ♀ ad., December 19, 1902.

"Iris seal, feet blackish (black, dusky), bill black, dusky reddish at base of mandible (black, basal half of mandible pale flesh, pale flesh at base of mandible)."

* Mr. Hellmayr tells me that he searched in vain for this specimen in the Paris Museum.

† *Trochilus fimbriatus* Gmelin ex Briss. has been always referred to the female of *Florisuga mellivora* (Linn.), but quite erroneously, I think. The female of that species has the under mandible quite black, while Brisson's bird had "le demi-bec inférieur blanchâtre, excepté son bout, qui est noir."

‡ *Fide* Chas. W. Richmond in litt.: Mr. Richmond, in a letter addressed to Dr. E. Hartert dated March 15, 1905, has pointed out that some species described, but not named in Richard and Bernard's article on the birds of Cayenne, afterwards received specific names by Reich (1795) and by Suckow (1800). There can be no doubt that the Humming-bird described by Richard and Bernard as No. 48 *Trochilus* . . . Linn. (Super universe viridis, subtus viridis micans summo gutture coeruleo micante, reetricibus omnibus utrinque chalybaeo-caeruleis) which was named *T. notatus* by Reich and *T. chalybeicaudus* by Suckow is the same as *Chlorestes coeruleus* (Vieill.).

Nos. 460, 516, 625, 658, 688, 12777.

♂ ♂ : al. $50\frac{3}{4}$ — $50\frac{1}{2}$; caud. $28\frac{3}{4}$; culm. $16\frac{1}{2}$ — $15\frac{3}{4}$ mm.

♀ ♀ : al. 48— $46\frac{1}{2}$; caud. $26\frac{1}{2}$ —25; culm. $16\frac{3}{4}$ —16 mm.

[Cayenne (Rothery, Gould, and Sclater collections in Mus. Brit., Mus. H. v. B.)
Ouanary et Mana (Geay leg. in Mus. Paris).]

[307. **Thalurania scapulata** (Gould).

Eucephala scapulata Gould, *Introd. Troch.* (1861) p. 166 (hab. "supposed to be Cayenne"—certé—
H. v. B.—typ. in Mus. Brit.).

Oyapock, Cayenne (Gould collection in Mus. Brit., a true Cayenne skin—*fide*
Hellmayr).]

[308. **Hylocharis sapphirina** (Gml.).

Trochilus sapphirinus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 496 (ex Buffon—loc. ignot.—hab.
substit. Cayenne, aut. Berl. & Hart.).

Cayenne (Mus. H. v. B.).]

[309. **Hylocharis cyanus viridiventris** Berl.

[*Trochilus cyanus* Vieillot, *Nouv. Dict.* xxiii. (1818) p. 426 (typ. ex Brésil, Delalande leg., coll. Baron
Laugier—habit. subst. Rio de Janeiro).]

Hylocharis cyanea viridiventris Berlepsch, *Ibis*, 1880. p. 113 (typ. ex Brit. Guiana, Mus. H. v. B.).

Cayenne (Deplanches leg.—*fide* Bp.).]

310. **Chlorostilbon prasinus** (Less.).

Ornismya prasina Lesson, *Hist. Nat. Ois.-Mouches* (1829-30) pp. xxxv, 188, Planche 65 ("paraît
habiter le Brésil").

Chlorostilbon brevicaudatus Gould, 1861 (typ. ex Cayenne).

? *Trochilus viridissimus* Gmelin, 1788 (ex Buffon : Or—vert, nec syn. Edw. t. 360. f. 1 *).

Cayenne : 10 ♂ ♂ ad., October 13 (two), 14, 28 (two), November 4 (three), 26,
December 20, 1902; 3 ♀ ♀ ad., October 13, 14, 20, December 2; 4 ♂ ♂ juv.,
October 14, 28, November 4, 15, 1902.

Roche-Marie, Cayenne : 1 ♂ jr., November 10, 1902.

"Iris seal, feet black, bill black."

Nos. 80, 81, 82, 131, 132, 133, 220, 367, 368, 369, 520, 521, 522, 523, 683, 791,
889, 918, 1156.

♂ ♂ ad. : al. $46\frac{1}{2}$ —44; caud. $22\frac{1}{2}$ — $19\frac{3}{4}$; culm. $14\frac{3}{4}$ — $13\frac{1}{2}$ mm.

♀ ♀ ad. : al. $45\frac{3}{4}$ — $44\frac{1}{4}$; caud. $24\frac{1}{2}$ — $20\frac{3}{4}$; culm. $14\frac{1}{2}$ mm.

[Cayenne (Gould and Sclater collections in Mus. Brit., Mus. H. v. B., Deplanches
leg.—*fide* Bp.). Geay leg. in Mus. Paris.]

Lesson's birds may have really come from Brazil, but I should think it more
probable that he had Cayenne specimens before him. An adult male in my
collection supposed to be from Brazil (of the same make as two skins of *Agyrtria*
lactea) generally agrees with the Cayenne specimens, but has the bill slightly
shorter and the sides of the throat more golden, the tail perhaps more greenish
black, less blue-black.

[311. **Discosura longicauda** (Gml.).

Trochilus longicaudus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 498 (ex Buffon loc. ignot. "du
cabinet Mauduit"—hab. substit. Cayenne).

Cayenne (Gould collection in Mus. Brit., Mus. H. v. B., Deplanches leg.—*fide*
Bp.).]

* Edwards' plate perhaps represents *Chlorestes notatus* (Reich.).

[312. *Lophornis ornatus* (Bodd.).

Trochilus ornatus Boddaert, *Tabl. Pl. Enl.* (1783) p. 39 (ex Daubent. *Pl. Enl.* 640. f. 3. typ. ex Cayenne).

Cayenne (Gould collection in Mus. Brit., Mus. Heinean., Deplanches leg.—*vide* Bp.). St. Georges d'Oyapock (Geay leg. in Mus. Paris.)]

313. *Calliphlox amethystina* (Gml.).

Trochilus amethystinus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 496 (ex Buff. et Daubent. *Pl. Enl.* 672. f. 1—typ. ex Cayenne).

? *Trochilus orthura** Lesson, *Les Trochilidées* (1832-33) pp. 85, 88, pl. 28, 29 (typ. ex Cayenne, envoyé à M. de Longuemare).

Cayenne : 2 ♂♂ juv., November 3, 5 ; 1 ♀ ad., October 28, 1902.

“Iris seal, feet black, bill black.”

Nos. 366, 476, 531.

♀ : al. $36\frac{1}{2}$; caud. 18 ; culm. $14\frac{3}{4}$ mm.

♂♂ juv. : al. $34\frac{1}{2}$ —34 ; caud. $18\frac{3}{4}$ — $17\frac{1}{4}$; culm. $13\frac{1}{2}$ — $13\frac{1}{4}$ mm.

[Cayenne (Lesson, Gould collection and Salvin & Godman collection in Mus. Brit., Mus. H. v. B.).]

FAMILY CYPSELIDAE.†

314. *Panyptila cayennensis* (Gml.).

Hirundo cayennensis Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 1024 (ex Buff. & Daubent., *Pl. Enl.* 725. f. 2.—typ. ex Cayenne).

Roche-Marie, Cayenne : 1 ♂ ad., November 6, 1902.

“Iris seal, feet dusky, bill black.” No. 584.

Al. 120 ; caud. 58 ; culm. $6\frac{3}{4}$; tars. $9\frac{1}{2}$ mm.

[Cayenne (Buffon).]

[315. *Chaetura chapmani* Hellm.

Chaetura chapmani Hellm., *Bull. B.O.C.* xix. (1907), p. 62 (typus ex Trinidad).

Cayenne (two unmistakable Cayenne skins in Mus. Brit. ex Selater collection, *vide* Hellmayr in lit.).]

316. *Chaetura brachyura* (Jard.).

Acanthylis brachyura Jardine, † *Ann. Mag. Nat. Hist.* xviii. (1846) p. 120 (typ. ex Tobago).

Chaetura poliura aut., nec Temm.

Roche-Marie, Cayenne : 1 ♂ ad. and 1 ♂ juv., November 12, 1902 ; 2 ♀♀ ad., November 12, 13, 1902.

Is. le Pére : 2 ♂♂ ad., October 25 ; 1 ♀ ad., October 25 ; 1 ♀ imm., October 25, 1902.

“Iris seal, feet slate, bill black.”

* Dr. Hellmayr considers this to be simply the young male of *Calliphlox amethystina* (Gml.), and I am inclined to agree with him, although I have never seen young males of this species with a quite square tail and with pure white tips to the outer tail-feathers.

† The following species of *Cypselidae* not yet recorded from Cayenne are likely to occur there :

1. *Chaetura zonaris albicincta* (Cab.)—Brit. Guiana. (*Ch. zonaris*—Brazil.)

2. *Cypseloides rutilus* (Vieill.)—Brit. Guiana.

‡ Cf. Hellmayr, *Nov. Zool.* xiii. (February 1906) p. 37 (“Specimens from Tobago, Trinidad, Surinam and Cayenne are absolutely identical”—Hellm.).

Nos. 724, 725, 723, 754, 325, 326, 328, 327.

♂♂ ad. : al. 119—116 ; caud. $30\frac{1}{2}$ — $29\frac{1}{2}$; culm. $5 - 4\frac{3}{4}$; tars. 10— $10\frac{1}{2}$ mm.

♀♀ : al. $120\frac{1}{2}$ —116 ; caud. $32\frac{1}{2}$ — $30\frac{1}{2}$; culm. $4\frac{3}{4}$ — $4\frac{1}{4}$; tars. 11— $10\frac{1}{2}$ mm.

[Cayenne (Buff., Mus. Brit.).]

317. *Chaetura spinicauda* (Temm.).

Cypselus spinicaudus Temminck, *Tabl. Méth. in Pl. Col. i.* (1839) p. 78 (ex Daubent. *Pl. Enl.* 726.—typ. ex Cayenne).

Cayenne : 1 ♂ ad., November 21 ; 1 ♀ ad., October 21, 1902.

“ Iris seal, feet dusky, bill black.”

Nos. 839, 248.

♂ : al. $105\frac{1}{2}$; caud. $41\frac{3}{4}$; culm. 4 ; tars. $9\frac{1}{2}$ mm.

♀ : al. $103\frac{1}{2}$; caud. $42\frac{1}{2}$; culm. $4\frac{1}{4}$; tars. $9\frac{3}{4}$ mm.

[Cayenne (Buffon, Sclater collection in Mus. Brit.).]

[318. *Claudia squamata* (Cass.).

Cypselus squamatus Cassin, *Proc. Ac. N. Sc. Philada. vi.* (1853) p. 369 (typ. ex Brit. Guiana).

St. Laurent, Cayenne (Const. Jelski leg.—in Mus. H. v. B.).]

FAMILY CAPRIMULGIDAE.*

[319. *Caprimulgus rufus* Bodd.

Caprimulgus rufus Boddaert, *Tabl. Pl. Enl.* (1783) p. 46 (ex Daubent. *Pl. Enl.* 735—typ. ex Cayenne).

Cayenne (Buffon).]

320. *Stenopsis cayennensis* (Gml.).

Caprimulgus cayennensis Gmelin, *Syst. Nat. ed. xiii. i.* 1 (1788) p. 1031 (ex Buff. & Daubent. *Pl. Enl.* 760—hab. Cayenne).

Cayenne : 1 ♂ ad., November 15 ; 1 ♂ semi-ad., October 28 ; 3 ♀♀ ad., November 15 (two), 18 ; 1 ♀ ? imm., November 15, 1902.

“ Iris seal, feet dnsky flesh (dusky), bill dusky.”

Nos. 358, 783, 784, 785, 786, 812.

♂♂ : al. $142\frac{1}{2}$ — $140\frac{1}{2}$; caud. $119\frac{1}{2}$ —107 ; culm. $14\frac{1}{2}$ — $12\frac{3}{4}$; tars. $16\frac{3}{4}$ mm.

♀♀ : al. $140\frac{1}{2}$ —131 ; caud. 101—95 ; culm. 13— $11\frac{3}{4}$; tars. $16\frac{1}{2}$ — $15\frac{3}{4}$ mm.

[Cayenne (Buffon), Mus. Heinean., Deplanches leg.—*fide* Bp.).]

St. Georges d'Oyapock (Geay leg. in Mus. Paris s.n. *St. ruficervix*—*fide* Hellmayr in litteris).

321. *Nyctidromus albicollis* (Gml.).

Caprimulgus albicollis Gmelin, *Syst. Nat. ed. xiii. i.* 1 (1788) p. 1030 (ex Latham—hab. Cayenne) : typ. in coll. Major Davies.

Cayenne : 1 ♂ ad., October 31 ; 1 ♂ juv., November 3, 1902.

Roche-Marie, Cayenne : 1 ♀ ad., November 10, 1902.

* The following *Caprimulgidae* not yet mentioned from Cayenne may probably occur there :

1. *Caprimulgus nigrescens* Cab.—Brit. Guiana—Pará.
2. *Caprimulgus parvulus* Gould—Colombia—Para.
3. *Caprimulgus naculicaudus* Lawr.—Colombia, Brit. Guiana, Para.
- ? 4. *Hydropsalis schomburghi* Sel.—Brit. Guiana.
5. *Chordeiles virginianus* (Gml.)—U.S. N. Am.—Brazil.
6. *Chordeiles pusillus* Gould—Brit. Guiana—Ceará, Bahia.
7. *Podager nacunda* (Vieil.)—Brit. Guiana—Bahia.
8. *Nyctibius bracteatus* Gould—Brit. Guiana.

Approuague : 1 ♂ ad., December 9, 1902.

" Iris seal, feet dusky horn (dusky drab, dusky brown), bill black."

Nos. 402, 498, 651, 1075.

♂♂ ad. : al. 152—150 ; caud. 150—146 ; culm. $9\frac{3}{4}$ — $9\frac{1}{2}$; tarsi. $21\frac{1}{2}$ mm.

♀ : al. $141\frac{1}{2}$; caud. 130 ; culm. $11\frac{1}{2}$; tarsi. 22 mm.

[Cayenne (Rothery leg. in Mus. Brit.). St. Georges d'Oyapock (Geay leg. in Mus. Paris).]

322. *Chordeiles acutipennis* (Bodd.).

Caprimulgus acutipennis Boddart, *Tabl. Pl. Enl.* (1783) p. 46 (ex Daubent. *Pl. Enl.* 732—hab. "Guiane," sc. Cayenne).

Cayenne : 7 ♂♂ ad., October 21, 28, November 22, 24 (three), 25 ; 2 ♀♀ ad., November 25, 28 ; 1 ♂ juv., November 24, 1902.

" Iris seal, feet reddish drab, bill blackish."

Nos. 235, 355, 855, 870, 872, 873, 874, 893, 894, 960.

♂♂ ad. : al. 169—153 ; caud. 100— $81\frac{1}{2}$; culm. $6\frac{1}{2}$ — $5\frac{3}{4}$; tarsi. $13\frac{1}{2}$ — $12\frac{1}{2}$ mm.

♀♀ ad. : al. 159— $155\frac{1}{2}$; caud. 92—88 ; culm. $7\frac{1}{2}$ — $6\frac{1}{2}$; tarsi. $12\frac{1}{2}$ mm.

[Cayenne (Buffon and Mus. Brit.).]

[323. *Nyctiprogne leucopygia* (Spix).

Caprimulgus leucopygus Spix, *Av. Bras.* ii. (1823) p. 3. pl. iii. ("hab. in lit. sylv. fl. Amazon").

Cayenne (Mus. H. v. B.).]

[324. *Lurocalis semitorquatus* (Gml.).

Caprimulgus semitorquatus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 1031 (ex Buff. & Daubent. *Pl. Enl.* 734—hab. Cayenne).

Cayenne (Buffon, Rothery, and Selater collections in Mus. Brit.).]

[325. *Nyctibius griseus* (Gml.).

Caprimulgus griseus * Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 1029 (ex Buffon—hab. Cayenne).

Caprimulgus jamaicensis Gmelin, *ibid.* p. 1029.

Cayenne (coll. Rothery in Mus. Brit.).]

[326. *Nyctibius grandis* (Gml.).

Caprimulgus grandis Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 1029 (ex Briss., Buff. & Daubent. *Pl. Enl.* 325 et Lath.—hab. Cayenne).

Cayenne (Buffon, Selater, and Tweeddale collections in Mus. Brit., coll. Sir A. Lever, *vide* Lath.).]

FAMILY PICIDAE.†

327. *Chloronerpes flavigula* (Bodd.).

Picus flavigula Boddart, *Tabl. Pl. Enl.* (1783) p. 49 (ex Daubent. *Pl. Enl.* 784—hab. Cayenne).

Iposin, R. Approuague : 1 ♀, January 1, 1903.

" Iris seal, feet greenish grey, bill above dusky, below slate-grey."

* Cf. Hellm. *Nor. Zool.* xiii. (February 1906) p. 37.

† The following species of *Picidae* not yet recorded from Cayenne may probably occur there :

1. *Chloronerpes capistratus* (Malh.)—Brit. Guiana (at Para *Chl. paraensis* Sneathl.).

2. *Picumnus macconelli* Sharpe (*P. amazonicus* Sneathl.)—British Guiana—Para (an = *P. spilogaster* Sundelev. ?).

No. 12946.

Al. $110\frac{1}{2}$; caud. 70; tars. $18\frac{1}{2}$ mm.

[Cayenne (Sclater collection in Mus. Brit.), Oyapock, Cayenne (Salvin & Godman and Sclater collections in Mus. Brit.).]

? [328. **Chloronerpes rubiginosus** (Swains.).

Picus rubiginosus Swainson, *Zool. Illust.* 1st ser. i. (1820-21) pl. xiv. (hab. "Spanish Main," viz. Venezuela.

Cayenne: juv. (Mus. Brit.), Brit. Guiana.]

329. **Chrysotilus punctigula** (Bodd.).

Picus punctigula Boddaert, *Tabl. Pl. Enl.* (1783) p. 37 (ex Daubent. *Pl. Enl.* 613—hab. Cayenne), ♀!

Cayenne: 3 ♂♂ ad., October 11, 20, 27; 2 ♀♀ ad., October 11, 17; 1 ♂ juv., October 14, 1902.

Approuague: 1 ♀, December 11, 1902.

"Iris chestnut, feet sage-green, bill maxilla black, mandibula blackish."

Nos. 66, 213, 348, 75, 112, 177, 1121.

♂♂ ad.: al. 104—102; caud. 70— $68\frac{1}{2}$; culm. 22— $20\frac{1}{2}$; tars. $21\frac{1}{2}$ — $20\frac{1}{2}$ mm.

♀♀: al. 101— $100\frac{1}{2}$; caud. $68\frac{1}{2}$ — $66\frac{1}{2}$; culm. $22\frac{1}{2}$ — $20\frac{1}{2}$; tars. $21\frac{1}{2}$ — $20\frac{3}{4}$ mm.

[Cayenne (Sclater collection in Mus. Brit., Mus. H. v. B.).]

330. **Melanerpes cruentatus** (Bodd.).

Picus cruentatus Boddaert, *Tabl. Pl. Enl.* (1783) p. 43 (ex Daubent. *Pl. Enl.* 694. f. 2—hab. Cayenne).

Cayenne (Buffon).

[331. **Melanerpes rubrifrons** (Spix).

Picus rubrifrons Spix, *Av. Bras.* i. (1824) p. 61. pl. lv. figs. 1 ♂, 2 ♀ (hab. in sylvis Parae—typus ♂ in Mus. Monac.).

Cayenne (Sclater collection and Salvin & Godman collection in Mus. Brit.).]

[332. **Melanerpes terricolor** (Berl.).

Centurus terricolor Berlepsch, *Ibis* 1880. p. 113 (typ. in Mus. H. v. B. ex "Orinoco district").

Cayenne (Mus. Brit.).]

[333. **Veniliornis sanguineus** (Licht.).

Picus sanguineus Lichtenstein, *Cat. Rev. Hamb.* (1793) p. 17.

Cayenne (Sclater collection in Mus. Brit., ♂).]

334. **Veniliornis passerinus** (Linn.).

Picus passerinus Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 174 (ex Briss. hab. "Dominica"—errore! hab. substit. Cayenne—aut. Berl. & Hart.).

Picus tephrodops Wagler, 1827.

Cayenne: 4 ♂♂ ad., October 11, 17 (two), November 27; 3 ♀♀ ad., October 17, 22, November 4; 1 ♂ juv., October 11; 1 ♀ juv., October 17, 1902.

Roche-Marie, Cayenne: 2 ♂♂ ad., November 6, 8; 1 ♀ ad., November 10, 1902.

Approuague: 1 ♂ ad., December 8, 1902.

“ Iris seal (dark grey, sepia), feet slate-grey (grey, greyish), bill above dusky, below greyish white (horn-colour, dusky at base of maxilla, dusky at base of mandible, above dusky, below greyish white).”

Nos. 56, 57, 58, 168, 169, 172, 173, 286, 525, 557, 621, 682, 942, 1054.

♂♂: al. 78—73; caud. 47—43; culm. $20\frac{1}{2}$ — $17\frac{3}{4}$; tars. $16\frac{1}{2}$ — $15\frac{3}{4}$ mm.

♀♀: al. 77—74; caud. 45 — $39\frac{1}{2}$; culm. 18—17; tars. 16 — $15\frac{1}{2}$ mm.

[Cayenne (Sclater collection and ex M. Verreaux in Mus. Brit.); Sinnamary, Mana et Macuria (Geay leg. in Mus. Paris, s.n. *D. Coccilue*), Mus. Heinean.]

335. *Veniliornis cassini* (Malh.).

Mesopicus cassini Malherbe, *Monogr. Picidae* ii. (1862) p. 55. pl. lxxviii. figs. 2, 3 (“vient du Brésil ou de la Nouvelle-Grenade”—hab. subst. Cayenne—aut. Berl. & Hart.).

Ipousin, R. Approuague: 2 ♂♂ ad., January 6, 1903.

“ Iris hazel, feet olive-grey, bill above dusky, below pale greyish.”

Nos. 13036, 13037.

♂♂ ad.: al. 95 — $93\frac{1}{2}$; caud. $54\frac{1}{2}$; culm. $22\frac{1}{2}$ — $20\frac{1}{4}$; tars. $16\frac{3}{4}$ — $16\frac{1}{2}$ mm.

[Cayenne (Sclater collection in Mus. Brit. ♂). Oyapock, Cayenne (Salvin & Godman collection in Mus. Brit.). St. Georges d'Oyapock, Ouanary and St. Jean du Maroni et Mahuri (Geay leg. in Mus. Paris).]

336. *Celeus elegans* (Müll.).

*Picus elegans** P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 92 (ex Daubent. *Pl. Enl.* 524.—hab. Cayenne) ♂!

Picus fusco-fulvus Bodd. 1783 (ex *Pl. Enl.* 524).

Picus cinnamomeus Gmel. 1788 (ex *Pl. Enl.* 524).

Coleopicus reichenbachii Malh., *Picidae* ii. (1862) p. 28. Pl. lvi. figs. 4, 5 ♂ ad. 1 ♀ ad. (hab. Brésil et Colombie—errore!).

Celeus reichenbachii Gray—Hargitt, *Cat. Birds Brit. Mus.* xviii. (1890) p. 427.

Approuague: 2 ♂♂ ad., December 10, 19, 1902.

Ipousin, Approuague: 1 ♀ ad., December 24, 1902.

“ Iris bright claret-brown (♂♂), claret-brown (♀), feet greyish sage-green, bill horny white, washed (tinged) with sulphur yellow, bare skin about eye slate.”

Nos. 1103, 12770, 12800.

♂♂ ad.: al. $170\frac{1}{2}$ — $161\frac{1}{2}$; caud. 110— $106\frac{1}{2}$; culm. $30\frac{3}{4}$; tars. $27\frac{1}{2}$ mm.

♀ ad.: al. 169; caud. 112; culm. $29\frac{1}{2}$; tars. $27\frac{1}{2}$ mm.

[Cayenne (Buffon, Sclater collection, Salvin & Godman collection and Tweeddale collection in Mus. Brit., Mus. H. v. B. ♀).]

[337. *Celeus jumana* (Spix).

Picus jumana Spix, *Av. Bras.* i. (1824) p. 57. Pl. xlvii. fig. 1 ♂ 2 ♀ (ex sylvis fl. Amazon).

Oyapock, Cayenne (Salvin & Godman collection in Mus. Brit.). Camopi and Bas et Haut Carsevenne (Geay leg. in Mus. Paris.)]

* In *Nov. Zool.* xiii. (1906) p. 39 Dr. Hellmayr has pointed out that the species inhabiting Venezuela and British Guiana is not *C. elegans* of Müller, as was believed by Mr. Hargitt (*l.c.*). The Venezuela bird he calls '*C. reichenbachii* Malh.,' but Malherbe's bird is evidently the same as the Cayenne bird (viz. *C. elegans*). The former wanting a name, I call it

Celeus elegans hellmayri

[typ. in Mus. H. v. B. Brit. Guiana ♂ (H. Whitely leg.).]

[338. *Celeus grammicus* (Malh.).

Picus grammicus Malherbe, *Mém. Soc. Liège* 1845. p. 69 ("Brésil"—ex Natt. Mus. Vindob. hab. Salto do Girao, Madeira).

Oyapock (Sclater collection and Salvin & Godman collection in Mus. Brit.).]

[339. *Celeus undatus* (Linn.).

*Picus undatus** Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 175 (ex Edwards, tab. 332. ex "Surinam," sed potius ex Cayenne—coll. Earl Ferrers).

Picus rufus Gmelin, 1788 (ex *Pl. Enl.* 694. f. 1—Cayenne).

Cayenne (Sclater collection in Mus. Brit.). Ouanary (Geay leg., Mus. Paris).]

[340. *Cerchneipicus torquatus* (Bodd.).

Picus torquatus Boddaert, *Tabl. Pl. Enl.* (1783) p. 52 (ex Daubent. *Pl. Enl.* 863—typ. ex Cayenne) ♀.

Cayenne (Buffon). St. Georges d'Oyapock (Geay leg. in Mus. Paris).]

341. *Crocomorphus flavus* (Müll.).

Picus flavus P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 91 (ex Daubent. *Pl. Enl.* 509—typ. ex Cayenne).

Cayenne: 2 ♂♂ ad., October 18, November 21; 1 ♀ ad., November 21, 1902.

"Iris carmine, feet olive-grey, bill sulphur-yellow at base, Naples yellow at tip."

Nos. 180, 837, 838.

♂♂ ad.: al. 142½—138½; caud. 90½—88½; culm. 27½—23¾; tars. 25½—24¾ mm.

♀ ad.: al. 142; caud. 96; culm. 25¾; tars. 25¾ mm.

One male has the secondaries of a nearly uniform cinnamon, while another male has them blackish, varied with cinnamon. The female has the secondaries of a nearly uniform blackish colour.

[Cayenne (Sclater collection ex Zool. Soc. in Mus. Brit., Mus. H. v. B.). Ouanary and Mana (Geay leg. in Mus. Paris).]

[342. *Campephilus rubricollis* (Bodd.).

Picus rubricollis Boddaert, *Tabl. Pl. Enl.* (1783) p. 37 (ex Daubent. *Pl. Enl.* 612.—hab. Cayenne) ♀.

Oyapock, Cayenne (Salvin & Godman collection in Mus. Brit.). Rivière Lunier, Haut Carsevenne and Montagne Mahury (Geay leg. in Mus. Paris).]

343. *Campephilus melanoleucus* (Gml.).

Picus melanoleucos Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 462 (ex Latham.—typ. ex Surinam; cf. Pelz., *Ibis* 1873. p. 33.—typ. in Mus. Vindob.).

Cayenne: 1 ♀ ad., October 13, 1902.

Approuague: 1 ♂ ad., December 9; 1 ♂ jr., December 18, 1902.

"Iris lemon-yellow, feet plumbeous, washed with olive, bill dusky along culmen and at tip, otherwise pale horny (dusky paler at base)."

Nos. 87, 1086, 12760.

♂ ad.: al. 187; caud. 117; culm. 44½; tars. 35½ mm.

♀ ad.: al. 183; caud. 111; culm. 40½; tars. 34½ mm.

[Cayenne (Tweeddale collection in Mus. Brit. ♀, Mus. H. v. B.).]

* The species from Lower Amazonia, named "*undatus* Linn." by Hargitt should be called *C. multifasciatus* (Malh.).

344. *Ceophloeus lineatus* (Linn.).

Picus lineatus Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 174 (ex Briss.—hab. Cayenne).

Cayenne: 1 ♂ ad., November 25, 1902.

“Iris lemon-yellow, bill tip black, maxilla slate, mandible horn, feet plumbeous with olive shade.”

No. 895.

Al. 185; caud. 115½; culm. 39; tars. 30½ mm.

[Cayenne (Salvin-Godman collection in Mus. Brit.).]

345. *Picumnus buffoni* Lafr.

Picumnus buffoni Lafresnaye, *Rev. Zool.* 1845. pp. 6, 9 (typ. ex Cayenne).

Picumnus undulatus (partim) Hargitt* (specimen *a* ex Oyapock)—Meneg., *Bull. Mus. N. H.* x. (1904) p. 110 (Oyapock—Geay leg.).

? *Pipra minuta* Linné,† *Mus. Adolph. Frid.* tom. ii. Prodr. (1764) p. 34 (loc. ignot.—an ex Surinam?).

Cayenne: 4 ♂♂ ad., October (two), November 15, 25; 5 ♀♀ ad., October 22, 29, 31, November 2 (two); 2 ♂♂ juv., October 22, December 2, 1902.

Roche-Marie, Cayenne: 1 ♂ ad., November 10; 2 ♀♀ ad., November 5, 10; 1 ♀ juv., November 5, 1902.

Approuague: 1 ♀ ad., December 12, 1902.

“Iris sepia, feet grey washed with olive (greyish), bill black, plumbeous at base of mandible (slate, plumbeous at base of mandible; dusky, greyish at base of mandible; dusky, plumbeous at base of mandible).”

Nos. 271, 272, 273, 274, 382, 400, 458, 459, 535, 536, 670, 671, 779, 898, 990, 1137.

♂♂ ad.: al. 51½—48; caud. 28—23; culm. 11¾—10½; tars. 12¾—11 mm.

♀♀ ad.: al. 51—47½; caud. 27¾—23½; culm. 12—10¾; tars. 12½—11½ mm.

[Cayenne (Sclater collection and Salvin & Godman collection in Mus. Brit., Mus. Heinean., Deplanches leg.—*vide* Bp.). R. Oyapock, Cayenne (Jelski leg.), Mus. Salvin & Godman collection in Mus. Brit. Saint Georges d'Oyapock (Geay leg. in Mus. Paris). Mahury (Geay leg. in Mus. Paris).]

[346. *Picumnus minutissimus* (Pall.).

Picus minutissimus Pallas, *Neue Nordische Beyträge* iii. (1782) p. 5. Pl. i. fig. 2 (hab. “Surinam und Cajenne”—hab. select. Surinam).

Picumnus lepidotus Cabanis & Heine, *Mus. Hein.* iv. (1863) p. 14 (loc. ignot.).

Cayenne (Sclater collection in Mus. Brit.).] ‡

* *Picumnus undulatus* Hargitt from Brit. Guiana I regard to be only subspecifically different from *P. buffoni* of Cayenne. In fact, my specimens from Brit. Guiana differ from the Cayenne birds only by being more whitish, less yellowish on the under parts, and perhaps by being a little more brownish, less greenish, on the upper parts, with the white spots generally smaller and less distinct. The Oyapock specimens referred to his *P. undulatus* by Mr. Hargitt should belong to true *P. buffoni*.

† *Pipra minuta* Linné is perhaps the same as *Picumnus buffoni*, but the phrase in its description: “dorsum et alae supra griseae” is not in accordance with the coloration of this species, while the phrase “pectus flavescens lineis transversis nigris” rather speaks for the identity of *Pipra minuta* with *Picumnus buffoni*.

‡ There are two specimens of this species in my collection which were sent from Surinam direct.

FAMILY *ALCEDINIDAE*.[347. *Ceryle torquata* (Linn.).

Alcedo torquata Linné, *Syst. Nat.* ed. xii. i. 1 (1766) p. 180 (ex Briss.—“Mexico & Martinique”—habit. select. Mexico—aut. Berl. & Hart.).

Cayenne (Sharpe collection in Mus. Brit., Mus. Philada., *vide* Cass.).]

[348. *Ceryle amazona* (Lath.).

Alcedo amazoni Latham, *Incl. Orn.* i. (1790) p. 257 (typ. ex Cayenne).

Cayenne (Sclater collection in Mus. Brit.).]

349. *Ceryle americana* (Gml.).

Alcedo americana Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 451 (ex Buff. & Daubent., *Pl. Enl.* 591 f. 1 & 2. et Lath.—hab. Cayenne).

Cayenne: 3 ♂♂ ad., October 11, 18, November 27; 3 ♀♀, October 20, November 25, 29, 1902.

“Iris seal, feet black (blackish), bill black.”

Nos. 63, 182, 217, 899, 941, 981.

♂♂ ad.: al. $77\frac{3}{4}$ —74; caud. $57\frac{3}{4}$ — $53\frac{1}{2}$; culm. $43\frac{3}{4}$ — $42\frac{1}{2}$; tars. 8— $7\frac{1}{2}$ mm.

♀♀: al. $78\frac{1}{2}$ —74; caud. $58\frac{1}{2}$ —54; culm. $45\frac{3}{4}$ — $38\frac{3}{4}$; tars. $7\frac{1}{2}$ mm.

[Cayenne (Mus. Lever, *vide* Lath., Sclater collection in Mus. Brit., Deplanches leg.—*vide* Bp.). Camopi (Geay leg. in Mus. Paris). Oyapock, Cayenne (Mus. d. Pays-Bas).]

350. *Ceryle inda* (Linn.).

Alcedo inda Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 179 (ex Edw. hab. “in India occ.”—errore!—hab. subst. Surinam).

Cayenne: 2 ♂♂ ad., October 20, 21; 1 ♀ ad., October 18, 1902.

Roche-Marie, Cayenne: 1 ♀ ad., November 6, 1902.

“Iris seal, feet dusky, bill blackish.”

Nos. 181, 218, 237, 585.

♂♂ ad.: al. $95\frac{1}{2}$ — $93\frac{1}{2}$; caud. 67— $64\frac{3}{4}$; culm. 55—50; tars. $10\frac{1}{2}$ — $9\frac{3}{4}$ mm.

♀♀ ad.: al. $95\frac{1}{2}$ —94; caud. $65\frac{1}{2}$ — $64\frac{1}{2}$; culm. $50\frac{1}{2}$ —49; tars. $9\frac{1}{2}$ mm.

[Cayenne (Sclater collection in Mus. Brit., Mus. Heinean., Deplanches leg.—*vide* Bp., Mus. Philada.—*vide* Cassin); Oyapock (Geay leg. in Mus. Paris).]

351. *Ceryle aenea* (Pall.).

Alcedo (aenea) Pallas, in Vroeg *Cat. rais. d'Oiseaux Adumbrat.* (1764) no. 54. (typ. ex Surinam) ♀.

Alcedo superciliosa Linné, 1766.

Cayenne: 4 ♂♂ ad., October 20, 21, 22 (two); 5 ♀♀ ad., October 11, 17, 18, 20, 21; 1 (♀) marked ♂, October 18; 1 ♀ imm., November 14, 1902.

Approuague: 1 ♀, December 11, 1902.

“Iris seal, feet dusky, bill black, yellowish at base of lower mandible (‘black,’ ‘blackish’).”

Nos. 64, 170, 183, 215, 216, 238, 239, 281, 282, 770, 1123.

♂♂ ad.: al. $55\frac{1}{2}$ — $53\frac{3}{4}$; caud. 37— $33\frac{1}{2}$; culm. $30\frac{3}{4}$ — $27\frac{3}{4}$; tars. $6\frac{3}{4}$ — $6\frac{1}{2}$ mm.

♀♀ ad.: al. $57\frac{1}{2}$ — $55\frac{3}{4}$; caud. $39\frac{3}{4}$ — $36\frac{1}{2}$; culm. $30\frac{3}{4}$ — $27\frac{1}{2}$; tars. $6\frac{3}{4}$ — $6\frac{1}{2}$ mm.

[Cayenne (Sclater collection and Tweeddale collection in Mus. Brit.), Mus. Philada.—*vide* Cass. Deplanches leg.—*vide* Bp., Mus. d. Pays-Bas. St. Georges d'Oyapock and Maroni (Geay leg. in Mus. Paris).]

FAMILY *MOMOTIDAE*.352. *Momotus momota* (Linn.).

Ramphastos momota Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 152 (ex Edwards & Brisson—hab. Cayenne *vide* Briss., excl. synon. Marcgr.).

Ipousin, R. Approuague: 1 ♂ ad. and 1 ♀, December 24, 1902, January 3, 1903; 1 ♀, December 27, 1902.

Approuague: 1 ♀, December 13, 1902.

“Iris hazel, feet dusky slate, bill black.”

Nos. 12699, 12802, 12859, 12987.

♂♂: al. 145—142½; caud. 264—258½; culm. 46—42¾; tars. 30½—29½ mm.

♀♀: al. 142½—140; caud. 255—173; culm. 47½—44½; tars. 28½ mm.

[Cayenne (Sclater collection in Mus. Brit., Deplanches leg.—*vide* Bp.), Camopi and Mornes du Mahury (Geay leg. in Mus. Paris).]

FAMILY *GALBULIDAE**[353. *Urogalba dea* (Linn.).

Alcedo Dea Linné, *Syst. Nat.* ed. x. 1 (1758) p. 116 (ex Edwards Pl. 10. hab. Surinami—typ. in Cab. Duke of Richmond, “brought from Surinam by the way of Holland”—excl. syn. Seba).
A. paradisea Linné, 1766.

[Cayenne (Sclater collection and Salvin & Godman collections in Mus. Brit., Mus. Heinean., Deplanches leg.—*vide* Bp.).]

354. *Galbula galbula* (Linn.).

Alcedo Galbula Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 182 (typ. ex Edw. & Briss.—hab. “Cayenne”—excl. syn. Marcgr. Brasil).

Galbula viridis Lath., 1790.

Cayenne: 1 ♂ ad., November 21; 1 ♀ ad. (marked ♂), November 21, 1902.

Approuague: 1 ♂ ad., December 19, 1902.

“Iris seal, feet sage green, bill black.”

Nos. 835, 836, 12778.

♂♂ ad.: al. 80; caud. 84—82½; culm. 49—43½; tars. 12½ mm.

♀ ad.: al. 81½; caud. 82; culm. 45¾; tars. 12½ mm.

[Cayenne (Sclater, Salvin & Godman, and Riocour collection in Mus. Brit., Mus. H. v. B., Mus. Heinean., Deplanches leg.—*vide* Bp.). Bords du Sinnamary (Geay leg. in Mus. Paris).]

[? 355. *Galbula ruficauda* Cuv.

Galbula ruficauda Cuvier, *Règne Anim.* i. (1817) p. 420 (ex Levaill. *Ois. Parad.* ii. Pl. L.—hab. “La Guyane,” sc. Cayenne).

Cayenne (Cuvier)—Brit. Guiana.]

356. *Galbula albirostris* Lath.

Galbula albirostris Latham, *Ind. Orn.* i. (1790) p. 245 (hab. “America austral.,” typ. in coll. Dr. Hunter—hab. subst. Cayenne, aut. Berl. & Hart.).

Ipousin, R. Approuague: 5 ♂♂ ad., December 25, 26, 1902, January 3 (three), 1903; 1 ♀ ad., December 25, 1902.

* *Brachygalba lugubris* (Swains.) is recorded from British Guiana and the Lower Amazon, and may likewise occur in Cayenne.

Tortue, R. Approuague : 1 ♂ ad., December 25, 1902.

“ Iris seal, feet indian yellow, bill canary-yellow, distal half maxilla blackish (distal two-thirds maxilla blackish ”).

Nos. 12824, 12825, 12843, 12982, 12983, 12984, 13065.

♂♂ ad. : al. 73—71 ; caud. 73½—66 ; culm. 39¾—37¾ ; tars. 11¾—11½ mm.

♀ ad. : al. 70½ ; caud. 64 ; culm. 35¾ ; tars. 11½ mm.

[Cayenne (Mus. Heinean., Deplanches leg.—*vide* Bp.). Camopi (Geay leg. in Mus. Paris).]

[357. *Galbula leucogastra* Vieill.

Galbula leucogastra Vieillot, *Nouv. Dict.* xvi. (1817) p. 444 (hab. “ Amérique méridionale ”—habit. subst. Cayenne).

Cayenne (Salvin & Godman collection in Mus. Brit., Mus. Heinean.).]

[358. *Jacamerops aureus* (Müll.).

Alcedo aurea P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 94 (ex Vosmaer—hab. Berbice, Brit. Guiana).

J. grandis (Gml. 1788) aut.

Cayenne (Mus. Brit., Mus. Heinean.).]

FAMILY *TROGONIDAE*.

359. *Trogon collaris* Vieill.*

Trogon collaris Vieillot, *Nouv. Dict.* viii. (1817) p. 320 (typ. ex Cayenne).

Ipousin, R. Approuague : 1 ♂ ad. and 1 ♀ ad., January 7, 1903.

“ Iris vandyke brown (♂), seal (♀), eyelids coral red (♂), blackish (♀) ; feet olive-buff (♂), olive-grey (♀) ; bill above wax-yellow, below olive-yellow (♂), above blackish, below olive-yellowish (♀).

Nos. 13048, 13049.

♂ : al. 118 ; caud. 138 ; culm. — ; tars. 12¾ mm.

♀ : al. 118 ; caud. 140½ ; culm. 17 ; tars. 12½ mm.

[Cayenne (Gould collection in Mus. Brit., Mus. H. v. B.).]

360. *Trogon rufus* Gml.

Trogon rufus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 404 (ex Buff. & Daubent., *Pl. Enl.* 736—typ. ex Cayenne) ♀ !

Trogon atricollis Vieillot, 1817. ♂ !

Trogon Curucui Linné, 1766. partim.†

Ipousin, R. Approuague : 3 ♂♂ ad., December 31, 1902, January 2, 3, 1903 ; 2 ♀♀ ad., December 24, 1902, January 2, 1903.

“ Iris seal, feet greenish grey (dusky greenish grey, greyish), bill apple-green

* Hellmayr (*Nov. Zool.* xiii. 1906. p. 41) thinks that this species should bear the name *T. curucui* Linn., but I cannot agree with him. Linné's diagnosis of *T. curucui* is evidently made up after Edwards' plate no. 331, which is *T. atricollis* Vieill. (= *T. rufus* Gml.).

† *Trogon curucui* Linné (1766) is a mixtum compositum, and I should think it best to drop the name altogether. Linné's diagnosis evidently rests on the figure of Edwards, which clearly represents the male of *T. rufus* Gm. The specific name *Curucui* is taken from Marcgrave, who apparently describes the male of *T. variegatus* Spix. The first synonym given by Linné is Brisson, who simply reproduces the description of the *Curucui* of Marcgrave. The synonym “ Tzinitzcan Hern. mex. 23 ” may belong to *T. mexicanus* Swains. and Feuille's *Psittacus flammeus viridis cinereus rostro serrato* is perhaps indefinable. The habitat is given as Mexico (ex Hernand.), Brasilia (ex Marcgr.), and Peru (ex Feuille).

Should Linné's name come in use it must be given to the species called *T. rufus* Gml.

(pale apple-greenish, apple-green, blackish along ridge of culmen in ♀♀), eyelids plumbeous grey."

Nos. 12975, 12988, 12994, 12801, 12974.

♂♂: al. $115\frac{1}{2}$ —113; caud. 144—136; culm. 20— $16\frac{1}{2}$; tars. $12\frac{1}{2}$ mm.

♀♀: al. 115—113; caud. $152\frac{1}{2}$ —141; culm. $16\frac{3}{4}$ — $16\frac{1}{2}$; tars. 12 mm.

An adult male from January 2 has the upper breast and the upper parts of the body (especially on the upper tail-coverts) strongly suffused with violet blue, a peculiarity which I have never observed before in the male of this species.

[Cayenne (Buffon).]

361. *Trogon viridis* Linn.

Trogon viridis Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 167 (ex Brisson—typ. ex Cayenne).

Cayenne: 1 ♀ ad., December 18, 1902.

Ipousin, R. Approuague: 3 ♂♂ ad., January 5, 6, 7, 1903.

"Iris seal (♂♂), chestnut (♀); feet dusky slate (♂♂), bluish slate (♀); bill pale slate grey (slate grey), upper part of mandible to tip blackish, basal $\frac{2}{3}$ of cutting edge bluish slate, maxilla bluish slate (♀); eyelids plumbeous grey (♂), light blue (♀)."

Nos. 13021, 13047, 12995, 1141.

♂♂ ad.: al. 156—148; caud. $168\frac{1}{2}$ —156; culm. $25\frac{1}{4}$ — $22\frac{3}{4}$; tars. $12\frac{3}{4}$ mm.

♀ ad.: al. 145; caud. 155; culm. $22\frac{3}{4}$; tars. 13 mm.

[Cayenne (Buff.), Oyapock (Verdey) in Mus. Brit. ex Sclater collection; Ouanary (Geay leg. in Mus. Paris).]

[362. *Trogon violaceus* Gml.

Trogon violaceus Gmelin, *Syst. Nat.* ed. xiii. 1 (1788) p. 404 (ex Koelreuter—hab. non indic.—hab. substit. Surinam—autoribus Berl. & Hart.).

Trogon meridionalis Swainson, 1837.

? Oyapock, Cayenne (Verdey) in Mus. Brit. ex Sclater collection.]

? [363. *Trogon aurantius* Spix.

Trogon aurantius Spix, *Av. Bras.* i (1824) p. 47 Pl. xxxvi. (hab. in sylvis Rio de Janeiro—typus in Mus. Monac.).

"Guiana" (Mus. Brit.).

[364. *Trogon melanurus* Swains.

Trogon melanurus Swainson, *Anim. in Menag.* (1837) p. 329 (typ. ex Demerara coll. Schomburgk).

Cayenne (Dillwyn—Sclater collection in Mus. Brit.), Deplanches leg.—*fide* Bp. Oyapock (Sclater collection in Mus. Brit.).]

FAMILY *BUCCONIDAE*.

[365. *Bucco capensis* Linn.

Bucco capensis Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 168 (ex Brisson, "Le Barbu," *Orn.* i, p. 92—hab. "Guiana" sc. Cayenne—nec Cap. B. Spei.—Linne, errore!).

Cayenne (Sclater collection in Mus. Brit.).]

[366. **Bucco macrorhynchus** Gml.

Bucco macrorhynchus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 406 (ex Buffon & Daubenton, *Pl. Enl.* 689—hab. Cayenne).

Cayenne (Sclater collection in Mus. Brit.).]

? [367. **Bucco ordi** Cass.

Bucco ordi Cassin, *Proc. Ac. N. Sc. Philada.* 1851. p. 154. pl. 8.

? Oyapock, Cayenne (Sclater collection in Mus. Brit.).]

368. **Bucco tectus** Bodd.

Bucco tectus Boddaert, *Tabl. Pl. Enl.* (1783) p. 43 (ex Daubent. *Pl. Enl.* 688—typ. ex Cayenne).

Cayenne: 1 ♀ ad., October 18, 1902. No. 185.

“ Iris black, feet blackish.”

Al. $72\frac{1}{2}$; caud. $56\frac{1}{2}$; culm. $24\frac{1}{2}$; tars. $12\frac{3}{4}$ mm.

[Cayenne (Rothery & Sclater collection in Mus. Brit.).]

369. **Bucco tamatia** Gml.

Bucco Tamatia Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 405 (ex Buff. & Daubent. *Pl. Enl.* 746. fig. 1, typ. ex Cayenne—nec Brasilia ex Raj. & Will.).

Cayenne: 1 ♂ ad., November 24, 1902. No. 867.

“ Iris madder brown, feet olive-grey, bill black.”

Al. 75; caud. $62\frac{3}{4}$; culm. $26\frac{1}{2}$; tars. $16\frac{1}{2}$ mm.

[Cayenne (Sclater and Salvin & Godman collection in Mus. Brit., Mus. Heinean., Deplanches leg.—*vide* Bp.).]

St. Georges d'Oyapock and Maroni (Geay leg. in Mus. Paris.)

370. **Malacoptila fusca** (Gml.).

Bucco fuscus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 408 (ex Lath.—“supposed to have come from Cayenne”).

Ipousin, R. Approuague: 1 ♂ ad., December 31, 1902.

“ Iris dark carmine, feet olive-yellow, bill black, chrome-yellow at base.”

No. 12929.

Al. 88; caud. $64\frac{1}{2}$; culm. 26; tars. $17\frac{3}{4}$ mm.

[Cayenne (Sclater collection in Mus. Brit., Mus. Heinean.).]

371. **Monasa nigra** (Müll.).

Cuculus niger P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 90 (ex Daubent. *Pl. Enl.* 512—typ. ex Cayenne).

Ipousin, R. Approuague: 1 ♂ ad., 1 ♀ ad., January 6, 1903.

“ Iris bay brown, feet slate black, bill vermilion.”

♂: al. $125\frac{1}{2}$; caud. 120; culm. $35\frac{3}{4}$; tars. $19\frac{1}{2}$ mm.

♀: al. 129; caud. 122; culm. $37\frac{3}{4}$; tars. 21 mm.

Nos. 13038, 13039.

[Cayenne (Sclater collection and Gurney in Mus. Brit.).]

Oyapock (Verdey, Salvin & Godman collection in Mus. Brit.).

Mus. Heinean., Ouanary and Rivier Lunier (Geay leg. in Mus. Paris).]

372. *Chelidoptera tenebrosa* (Pall.).

Cuculus tenebrosus Pallas, *Neue Nord. Beytr.* iii. (1782) p. 2. Pl. i. fig. 1 (typ. ex Surinam).

Cayenne : 1 ♂ ad., November 25, 1902. No. 896.

“ Iris seal, feet slate, bill black.”

Al. $106\frac{1}{2}$; caud. 52; culm. $20\frac{1}{4}$; tars. $12\frac{3}{4}$ mm.

[Cayenne (Selater collection, Salvin & Godman collection in Mus. Brit., Mus. Heinean.)

Oyapock (Jelski leg.—Salvin & Godman collection in Mus. Brit.), Monts. Sinery (Geay leg. in Mus. Paris.)]

FAMILY *CAPITONIDAE*.

373. *Capito niger* (Müll.).

Bucco niger P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 89 (ex Daubent. *Pl. Enl.* 206. f. 1.—typ. ex Cayenne).

Cayenne : 2 ♂♂ ad., October 31, November 1, 1902.

Roche-Marie : 3 ♂♂ ad., November 5 (three), 2 ♀♀ ad., November 5, 1902.

Iris seal, feet plumbeous olive (plumbeous), bill black, olive-grey at base of mandible.

Nos. 403, 487, 544, 545, 546, 547, 548.

♂♂ : al. $84\frac{1}{2}$ — $79\frac{1}{2}$; caud. 56—49; culm. $24\frac{3}{4}$ — $20\frac{1}{2}$; tars. $23\frac{3}{4}$ — $21\frac{1}{2}$ mm.

♀♀ : al. $82\frac{1}{2}$ —81; caud. 53—49; culm. $23\frac{3}{4}$ — $22\frac{3}{4}$; tars. $23\frac{1}{2}$ — $22\frac{3}{4}$ mm.

[Cayenne (Buffon, Riocour collection in Mus. Brit., Mus. d. Pays-Bas, Deplanches leg., *vide* Bp.). Ouanary (Geay leg. in Mus. Paris).]

374. *Capito amazonicus* Dev. & Des Murs.

Capito amazonicus Deville et Des Murs, *Rev. Zool.* 1849. p. 171 (hab. Sta. Maria et Ega, Amazon. sup.)

Oyapock, Cayenne (Jelski leg.—Selater collection in Mus. Brit.)

FAMILY *RAMPHASTIDAE*.

375. *Ramphastos toco* Müll.

Ramphastos Toco P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 82 (ex Daubent. *Pl. Enl.* 82—typ. ex Cayenne).

Cayenne (Buffon).

376. *Ramphastos monilis* Müll.

Ramphastos monilis P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 83 (ex Daubent. *Pl. Enl.* 262—typ. ex Cayenne).

R. erythrorhynchus Gmelin, 1788.

? *R. tucanus* Linne, *Syst. Nat.* ed. x. 1 (1758) p. 103.

Cayenne, Market Place : 1 ♂ ad., October 4, 1 av. jr. October 3, 1902.

Approuague : 1 ♂ ad., December 13, 1902.

“ Iris hazel, feet plumbeous, bare skin about eye indigo blue, shading into pale blue at lower border.”

Nos. 6, 7, 12700.

♂♂ : al. 228½—221 ; caud. 157—152 ; culm. 170—165 ; tars. 54½—53 mm.

[Cayenne (Buffon), Deplanches leg.—*vide* Bp.]

Rivière Lunier, Camopi et montagnes de Roura (Geay leg. in Mus. Paris).

[377. **Ramphastos osculans** Gould.

Ramphastos osculans Gould, *P.Z.S.* 1835. p. 156 ("hab. in Brasilia"—hab. subst. Rio Negro aut. Berl. & Hart.).

Oyapock, Cayenne (Sclater collection in Mus. Brit.).]

378. **Ramphastos vitellinus** Licht.

Ramphastos vitellinus Lichtenstein, *Verz. Doubl. Mus. Berlin* (1823) p. 7 (hab. "Cayana"—descr. non satis accurata, sed cit. Le Vaill. *Ois. de Parad.* tab. 7).

Cayenne, Market Place : 1 ♂ ad., October 4 ; 1 ♀ ad., October 5, 1902.

Approuague : 1 ♂ ad., December 9, 1902.

Ipousin, R. Approuague : 1 ♂ ad., January 3, 1902.

"Bill black with basal blue-grey band, feet plumbeous."

Nos. 8, 10, 1076, 12986.

♂♂ ad. : al. 204—200 ; caud. 165—158½ ; culm. 156—143 ; tars. 50½—48½ mm.

♀ ad. : al. 192½ ; caud. 158½ ; culm. 118 ; tars. 44½ mm.

[Cayenne (Mus. Brit., Mus. Philada., Deplanches leg.—*vide* Bp.).

Rivière Lunier, St. Georges d'Oyapock et Onanary (Geay leg. in Mus. Paris).]

[379. **Pteroglossus aracari atricollis** (Müll.).

[*Ramphastos Aracari* Linné, *Syst. Nat.* ed. x. (1758) p. 104 (ex Marcgr. typ. ex Brasil. or., sc. Ceará—excl. synonym. Edwards 64 qui = *R. piscivorus* specim. decol.).]

Ramphastos atricollis P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 83 (ex Daubent. *Pl. Enl.* 166—"Brasil," errore!—hab. substit. Cayenne).

Cayenne (Gould & Sclater collections in Mus. Brit., Deplanches leg., *vide* Bp.)
Camopi (Geay leg. in Mus. Paris).]

[380. **Pteroglossus flavirostris** Fras.

Pteroglossus flavirostris Fraser, *P.Z.S.* 1840. p. 61 (typ. in Mus. Derby, "loc. ignota"—hab. subst. Rio Solimões, Brazil—aut. Berl. & Hart.).

Oyapock, Cayenne (Sclater collection in Mus. Brit.).]

[381. **Pteroglossus inscriptus** Swains.

Pteroglossus inscriptus Swainson, *Zool. Illustr.* ser. 1. ii. (1821-2) pl. 90 (interior of Guiana, coll. Bullock—hab. subst. Cayenne).

Cayenne (Gould collection in Mus. Brit.).]

[382. **Pteroglossus viridis** (Linn.).

Ramphastos viridis Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 150 (ex Brisson—typ. ex Cayenne).

Cayenne (Sclater and Gould collections in Mus. Brit., Deplanches leg.—*vide* Bp.).]

383. **Selenidera culik** (Wagl.).

Pteroglossus Culik Wagler, *Syst. Av.* (1827) sp. 10 (typ. in Mus. Paris—hab. Cayenne)

Ramphastos piperivorus Linné, ed. xii. (1766) nec ed. x. (1758).

Ipousin, R. Approuague : 1 ♂ ad., January 6, 1903.

"Iris hazel, feet sage green, bill black, brick-red at base, bare skin about eye Paris green." No. 3017,

Al. $119\frac{1}{2}$; caud. 101; culm. $80\frac{1}{2}$; tars. $31\frac{1}{2}$ mm.

[Cayenne (Sclater collection in Mus. Brit., Mus. Philada.).

Rivière Lunier et Ouanary (Geay leg. in Mus. Paris).]

[384. *Selenidera nattereri* (Gould).

Pteroglossus Nattereri Gould, *P.Z.S.* 1835, p. 157 (hab. "in Brasilia"—habit. substit. Marabitanas coll. J. Natterer).

Oyapock, Cayenne (Sclater collection and Salvin & Godman collection in Mus. Brit.).]

FAMILY *CUCULIDAE*.*

[385. *Coccyzus americanus* (Linn.).

Cuculus americanus Linné, *Syst. Nat.* ed. x. (1758) p. 111 (ex Catesby—hab. Carolina).

Cayenne (Buffon).]

386. *Coccyzus minor* (Gml.).

Cuculus minor Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 411 (ex Buff. & Daubent. *Pl. Enl.* 813—typ. ex Cayenne).

Cayenne: 1 ♀ ad., October 28, 1902. No. 353.

"Iris seal, feet plumbeous grey, bill black, buff yellow at base of mandible."

Al. $138\frac{1}{2}$; caud. 159; culm. 29; tars. $26\frac{1}{2}$ mm.

[Cayenne (Buffon).]

[387. *Coccyzus melacoryphus* Vieill.

Coccyzus melacoryphus Vieillot, *Nouv. Dict.* viii. (1817) p. 271 (ex Azara—hab. Paraguay).

Cayenne (Sclater collection in Mus. Brit., Mus. d. Pays-Bas).]

388. *Piaya cayana* (Linn.).

Cuculus cayanus Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 170 (ex Briss.—typ. ex Cayenne).

Approuague: 1 ♀ ad., December 8, 1902. No. 1050.

"Iris lake red, feet plumbeous, bill citron-yellow, apple-green at base, bare skin about eye carmine."

Al. 140; caud. 258; culm. $32\frac{1}{2}$; tars. 37 mm.

[Cayenne (Salvin & Godman collection in Mus. Brit., Mus. d. Pays-Bas, Deplanches leg.—*fide* Bp.) Ouanary (Geay leg. in Mus. Paris).]

[389. *Piaya melanogastra* (Vieill.).

Cuculus melanogaster Vieillot, *Nouv. Dict.* viii. (1817) p. 236 (hab. "Java"—errore!—hab. substit. Cayenne—aut. Berl & Hart.).

Cayenne (Mus. Brit.).]

390. *Piaya rutila* (Illig.).

Cuculus rutilus Illiger, *Abh. Berl. Akad. Wissensch.* 1812, p. 224 (ex Gmelin: *C. cayanus*, var. β —et ex Gmelin var. γ , errore!—ex Briss. typ. ex Cayenne).

Roche-Marie, Cayenne: 6 ♂♂ ad., November 6, 7, 8 (two), 12, 13, 1902

Approuague: 1 ♂ ad., November 12; 1 ♀ ad., December 11, 1902.

* The following species of *Cuculidae* not yet recorded from Cayenne may be found there:

1. *Neomorphus rufipennis* Gray—Brit. Guiana (*N. geoffroyi*—Pará),

2. *Dromococcyx phasianellus* (Spix)—Venezuela—Bahia,

“Iris carmine, eyelids crimson, feet slate with greenish wash (washed with olive-green), bill citron-yellow, dusky at extreme base (citron-yellow).”

Nos. 552, 595, 619, 620, 731, 753, 1113, 1114.

♂♂ ad. : al. 107—103½; caud. 161½—140½; culm. 23—19½; tars. 27—25½ mm.

♀ ad. : al. 104; caud. 140½; culm. 22½; tars. 25¾ mm.

[Cayenne (Sclater collection in Mus. Brit., Deplanches leg.—*fide* Bp.).
Ouanary (Geay leg. in Mus. Paris).]

391. *Tapera naevia* (Linn.).

Cuculus naevius Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 170 (ex Briss.—typ. ex Cayenne).

Cayenne : 2 ♀♀ ad., October 22, November 3; 2 ♂♂ jrs., October 29, November 15; 2 ♂♂ juv., October 21, 22, 1902.

Roche-Marie, Cayenne : 1 ♂ jr., November 11; 1 ♀ jr., November 13, 1902.

“Iris drab, feet greyish, bill dusky above, pale below (mandible and cutting edge of maxilla pale, maxilla above blackish, mandibula and cutting edge of maxilla pale, pale on cutting edge, pale along culmen).”

♂♂ jr. : al. 104—100½; caud. 159—130½; culm. 19¼—17½; tars. 32½—31½ mm.

♀♀ ad. : al. 103—100; caud. 151½—130½; culm. 18½—18¼; tars. 30½—29½ mm.

Nos. 244, 276, 277, 393, 481, 700, 745, 782.

[Cayenne (Mus. Brit., Mus. d. Pays-Bas); Ouanary and Mahury (Geay leg. in Mus. Paris).]

[392. *Dromococcyx pavoninus* Pelz.

Dromococcyx pavoninus Pelzeln, *Zur Orn. Bras.* iii. (1869) p. 270. ex Natterer MS. descr. orig. (hab. Araguay, Engenho do Gama, Arimani, typ. select. ex Araguay in Mus. Vindob.).

Cayenne (Mus. Brit.).]

393. *Crotophaga major* Gml.

Crotophaga major Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 363 (ex Briss., Buff. et Daubent. *Pl. Enl.* 102. f. 1—typ. ex Cayenne).

Cayenne : 2 ♂♂ ad., November 22, December 17; 2 ♀♀ ad., October 27, November 14, 1902.

Nos. 346, 772, 892, 1142.

“Iris lemon-yellow, feet black, bill black.”

♂♂ ad. : al. 205—194; caud. 276—241; culm. 49½; tars. 40½ mm.

♀♀ ad. : al. 192½—188; caud. 248—236; culm. 49¾—48½; tars. 42—41 mm.

[Cayenne (Buff.).]

394. *Crotophaga ani* Linn.

Crotophaga ani Linné, *Syst. Nat.* ed. x. 1 (1758) p. 105 (ex Marcgrave, etc.—hab. subst. Ceara Brasil or.).

Cayenne : 2 ♂♂ ad., November 14, 22; 3 ♀♀ ad., October 28, November 4, 21; 1 ♀ juv., November 21, 1902.

“Iris seal, feet black, bill black.”

Nos. 354, 503, 756, 832, 833, 854.

♂♂ ad. : al. 182—145; caud. 180½—178½; culm. 38½—37½; 38½—37¾ mm.

♀♀ ad. : al. 152—146½; caud. 187—179; culm. 39—35½; tars. 38—35 mm.

[Cayenne (Buff.).]

FAMILY *PSITTACIDAE*.*

[395. *Ara macao* (Linn.).

Psittacus Macao Linné, *Syst. Nat.* ed. x. 1 (1758) p. 98. ex Edw. tab. 158. excl. syn. Albin.—hab. in Am. merid.—hab. substit. Guiana Brit.).

Cayenne (Buffon).]

[396. *Ara severa* (Linn.).

Psittacus seuerus Linné, *Syst. Nat.* ed. x. (1758) p. 97 (hab. in "Indiis"—hab. subst. Surinam).

Cayenne (Deplanches leg.—*fide* Bp.).

Oyapock (Sonnini—*fide* Buffon).]

[397. *Ara manilata* (Bodd.).

Psittacus manilatus Boddaert, *Tabl. Pl. Enl.* (1783) p. 52 (ex Daubent. *Pl. Enl.* 864—typ. ex Cayenne).

Psittacus Makarouanna Gmelin, 1788.

Cayenne (Buffon).]

[398. *Conurus solstitialis* (Linn.).

Psittacus solstitialis Linné, *Syst. Nat.* ed. x. (1758) p. 97 (ex Albin—hab. "Guinea"—errore!—hab. substit. Surinam).

Cayenne (Buffon).]

[399. *Conurus leucophthalmus* (Müll.).

Psittacus leucophthalmus P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 75 (ex Daubent. *Pl. Enl.* 407—typ. ex Cayenne).

Cayenne (Buffon).]

[400. *Conurus aeruginosus* (Linn.).

Psittacus aeruginosus Linné, *Syst. Nat.* ed. x. 1 (1758) p. 98 (ex Edwards—hab. "West Indies"—errore!—hab. substit. Cumana, Venezuela, aut. Berl. & Hart.).

Cayenne (Salvin & Godman and Sclater collections in Mus. Brit.).]

[401. *Conurus aureus* (Gml.).

Psittacus aureus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 329 (ex Edw. tab. 235—typ. ex "Brasil"—habit. restrict. Bahia).

Cayenne (Buffon).]

[402. *Pyrrhura picta* (Müll.).

Psittacus pictus P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 75 (ex Daubent, *Pl. Enl.* 144—typ. ex Cayenne).

Cayenne (Buffon) Camopi (Geay leg. in Mus. Paris).]

* The following species of *Psittacidae* not yet recorded from Cayenne may occur in that country :

1. *Ara aravauna* (Linn.)—Surinam, Brit. Guiana—Lower Amazon.
2. *Ara chloroptera* Gray—Brit. Guiana—Brazil.
3. *Ara nobilis* (Linn.)—Orinoco—Pará.
4. *Ara hahni* (Sonanc.)—Surinam, Brit. Guiana.
5. *Amazona aestiva* (Linn.)—Surinam (Mus. d. Pays-Bas), Brazil.

[403. *Psittacula passerina* (Linn.).

Psittacus passerinus Linné,* *Syst. Nat.* ed. x. (1758) p. 103 (ex *Mus. Ad. Frid.* i. p. 14. hab. "in America"—hab. substit. Surinam, typ. in *Mus. Ad. Frid.*) Linné, *Mus. Ad. Frid.* tomi secundi prodromus (1764) p. 16. descr. satis accurata.

Agapornis Guianensis Swainson, *Anim. in Menag.* (1838) p. 320 (typ. ex Demerara).

Cayenne (Deplanches leg.—*fide* Bp.).]

? [404. *Psittacula modesta* Cab.

Psittacula modesta Cabanis, in Schomb. *Reise Brit. Guiana* iii. (1848) p. 727 (typ. ex Brit. Guiana in *Mus. Berol.*).

Ps. sclateri Gray, 1859.

Oyapock (*fide* E. Verreaux in *Mus. Brit.*).†]

[405. *Brotogerys virescens* (Gml.)

Psittacus virescens Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 326 (ex Briss., Buff. & Daubent. *Pl. Enl.* 359—typ. ex Cayenne).

Psittacus versicolorus Müller, 1776.‡ descr. falsa!

Cayenne (Buffon).]

? [406. *Brotogerys devillei* Salvad.

Brotogerys devillei "Gray," Salvadori, *Cat. Birds Brit. Mus.* xx. (1891) p. 259 (typ. ex R. Amazons—Bates).

Oyapock Cayenne (*Mus. Brit.*).]

[407. *Brotogerys tuipara* (Gml.)

Psittacus tuipara Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 348 (ex Briss. hab. Brasilia—hab. restrict. Pará).

? *Psittacus sosore* Gmelin (ex Buff. & Daubent, *Pl. Enl.* 456. f. 2—typ. ex Oyapoc, Cayenne)—an avis arte facta?

Cayenne (*Mus. d. Pays-Bas*), ? Oyapock, Cayenne (Buffon).]

408. *Amazona farinosa* (Bodd.).

Psittacus farinosus Boddaert, *Tabl. Pl. Enl.* (1783) p. 52 (ex Daubent. *Pl. Enl.* 861—typ. ex Cayenne).

Cayenne : 1 ♀ ad., October 6, 1902. No. 14.

Al. 232 ; cand. 133 ; culm. 39¼ ; tars. 27½ mm.

[Cayenne (Buffon), *Mus. d. Pays-Bas* (*fide* Schleg.). Saint Georges d'Oyapock and Rivière Lunier, Haut-Carsevenne (Geay leg. in *Mus. Paris*).]

409. *Amazona amazonica* (Linn.).

Psittacus amazonicus Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 147 § (hab. in Surinamo—typ. in *Mus. Upsaliae*?).

Cayenne : 2 ♂♂ ad., October 6, 16 ; 1 ♀ ad., October 16, 1902.

* There is little doubt that Linné described the northern species with the green uropygium. The Bahia bird has been named *Ps. rivida* by Prof. Ridgway, and the Ceará bird believed to be true *Ps. passerina* should be called *Ps. rivida flarescens* Salvad.

† Compared by Mr. Hellmayr (*fide* Hellmayr in litt.).

‡ Müller's name *versicolorus*, although probably founded on *Pl. Enl.* 359, cannot be accepted, as the altogether misleading description makes this rather doubtful. What Müller says about the coloration of the tail would really apply to the coloration of the wings.

§ Although Linné's description is quite incorrect ("fronte flava, affinis *Ps. aestivo*, sed duplo major"), there is no doubt that Linné meant this species. The phrase "temporibus fulvis" cannot be applied to any other species, also the quotations Brisson, Frisch, Marcgrave, all belong to our species.

Approuague : 1 ♂ ad. and 1 ♀ ad., December 17, 1902.

Nos. 15, 148, 149, 12756, 12757.

“ Iris orange chrome (orange yellowish, orange with an inner ring of orange chrome), feet greyish (greyish plumbeous), bill pale olive greenish, dusky at tip.”

♂♂ ad. : al. 206—195½; caud. 100—96½; culm. 36½—31¼; tars. 21½ mm.

♀♀ ad. : al. 202—194; caud. 101½—99; culm. 34¾—32¾; tars. 22½ mm.

[Cayenne (Buffon).]

[410. **Amazona ochrocephala** (Gml.).

Psittacus ochrocephalus Gmelin, *Syst. Nat.* ed. xii. 1 (1788) p. 339 (ex Briss. No. 35 tab. 26 f. 1.—hab. “Am. austral.”—hab. substit. Cayenne).

? *Psittacus cajenneus* Müller 1776 (ex *Pl. Enl.* 312).

? *Psittacus cajenneus* Müller, 1776 (ex *Pl. Enl.* 312).

Cayenne (Buffon).]

411. **Amazona dufresneana** (Shaw).

Psittacus dufresnianus Shaw, *Gen. Zool.* viii. 2 (1811) p. 513 (ex Levaill.—typ. ex Cayenne).

Chrysotis coeligena Sclater ex Lawr. (1879).

Iposin, R. Approuague : 1 ♂ ad., January 8, 1903.

“ Iris orange chrome, feet dusky slate-grey.”

No. 13051.

Al. 221½; caud. 122½; culm. 40¾; tars. 24½ mm.

[Cayenne (Levaill.).]

[412. **Amazona festiva** (Linn.).

Psittacus festivus Linné, *Syst. Nat.* ed. x. 1 (1758) p. 101 (habitat “in Indiis”—hab. substit. Surinam—typ. in Mus. Upsaliae?).

Cayenne (Buffon).]

413. **Pionus menstruus** (Linn.).

Psittacus menstruus Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 148 (ex Edwards—loc. ignot. et Briss.—hab. “Guiana,” sc. Cayenne).

Iposin, R. Approuague : 1 ♀ ad., December 28, 1902.

“ Iris seal, feet dusky greenish, bill dusky slate, a pink spot on each side of maxilla at base.”

No. 2881.

Al. 173; caud. 68½; culm. 27¾; tars. 18½ mm.

[Cayenne (Brisson and Buffon, Mornes du Mahury) Geay leg., Mus. Paris.]

[414. **Pionus fuscus** (Müll.).

Psittacus fuscus P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 78 (ex Buffon and Edwards, hab. Cayenne).

Cayenne (Buffon), Mus. d. Pays-Bas (*vide* Schleg.); Rivière Lunier and Mornes du Mahury (Geay leg. in Mus. Paris).]

[415. **Deropytus accipitrinus** (Linn.).

Psittacus accipitrinus Linné, *Syst. Nat.* ed. x. 1 (1758) p. 102 (ex Edwards—hab. “in Indiis”—hab. subst. Surinam).

Cayenne (Buffon, Latham, Sclater collection in Mus. Brit., Mus. d. Pays-Bas).]

416. *Pionopsitta caica* (Lath.).

Psittacus Caica Latham, *Indl. Orn.* i. (1790) p. 128 (ex Buff. and Daubent. *Pl. Enl.* 744—typ. ex Cayenne).

Ipousin, R. Approuague : 1 ♂ jr., January 5, 1903.

“ Iris orange chrome, feet dusky pea-green, bill pale with olive wash.”

No. 13015.

Al. 144 ; caud. 64½ ; culm. 21¾ ; tars. 15¾ mm.

[Cayenne (Buffon), Mus. d. Pays-Bas and Mus. Bremen (*vide* Finsch).]

? [417. *Urochroma batavica* (Bodd.).

Psittaca batavica Boddaert, *Tabl. Pl. Enl.* (1783) p. 49 (ex Daubent. *Pl. Enl.* 791 f. 1 hab.

“ Batavia ”—errore !—hab. substit. Venezuela).

Psittacus cingulatus Scopoli, 1786.

“(Cayenne, Jelski leg.)”—Salvin & Godman collection in Mus. Brit.]

[418. *Urochroma purpurata* (Gml.).

Psittacus purpuratus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 350 (ex Lath.—typ. in Mus. Lever. ex Cayenne).

Cayenne (Riocour collection in Mus. Brit.).

Oyapock, Cayenne (Salvin & Godman collection in Mus. Brit., Mus. d. Pays-Bas).]

? [419. *Urochroma hueti* (Temm.).

Psittacus huetii Temminck, *Planches coloriées* (1850) Pl. 491 (habite probablement le Pérou—habit. subst. Amazon super.).

? Cayenne (Baron Laugier collection in Mus. Brit.).]

[420. *Pionites melanocephala* (Linn.).*

Psittacus Melanocephalos Linné, *Mus. Adolph. Friderici* tomi secundi prodromus (1764) p. 15 (typ. in Mus. Ad. Frid. “ hab. Surinami ”).

Cayenne (Buffon), Mus. d. Pays-Bas.]

FAMILY *STRIGIDAE*.†

[421. *Bubo magellanicus* (Gml.).

Strix Bubo magellanicus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 286 (ex Marcgr., Buff. et Daubent. *Pl. Enl.* 385—typ. ex Magellania).

Not yet recorded from Cayenne, but generally distributed over South America, Guiana (Schleg.), Brit. Guiana (Schomb.).]

[422. *Lophostrix cristata* (Daud.).

Strix cristata Daudin, *Trait. d'Orn.* ii. (1800) p. 207 (ex Levaill., *Ois. d'Afr.* i. Pl. 43, “ habite la Guiane,” sc. Cayenne—typ. in Mus. Paris).

Cayenne (Mus. Paris, Martin leg. in Mus. Paris *vide* Less., Mus. d. Pays-Bas, Mus. Philada.).]

* In the Mus. des Pays-Bas at Leyden there is a specimen of *Pionites leucogaster* (Kuhl), du Cabinet de M. Temminck, which is said to have come from Cayenne; but this locality is probably erroneous, I think.

† The following species of *Strigidae* not yet recorded from Cayenne may occur there :

1. *Speotyto cunicularia* (Molina)—South America generally.
2. *Asio stygius* (Wagl.)—Cuba—Brazil.
3. *Gisella harrisi* (Cass.)—Colombia—Brazil.

423. *Otus choliba crucigerus* (Spix).

[*Strix choliba* Vieillot, *Nouv. Dict.* vii. (1817) p. 39 (ex Azara No. 48—typ. ex Paraguay).
Strix crucigera Spix, *Av. Bras.* i. (1824) p. 22 tab. ix. (hab. "juxta flumen Amazonum").

Cayenne : 1 ♀ juv., October 16, 1902.

Approuague ; 1 ♂ ad., December 11, 1902.

Nos. 135, 1112.

"Iris lemon yellow, feet greyish, lighter on soles, bill dusky bluish grey (lighter at tip in juv.)."

♂ ad. : al. 168 ; caud. 91 ; culm. 16 ; tars. 32 mm.

[Cayenne (Becoer in Mus. Vindob.), Mus. d. Pays-Bas.]

[424. *Glaucidium brasilianum phalaenoides* (Daud.).

Strix brasiliana Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 289 (ex Briss., cujus descr. ex Marcgr.
 "hab. Brasilia"—hab. restrict. Bahia).

Strix phalaenoides Daudin, *Traité d'Orn.* ii. (1800) p. 206 (typ. ex Trinidad).

Glaucidium ferox (Vieill.) aut.

No records from Cayenne, but generally distributed over South America.]

[425. *Asio clamator* (Vieill.).

Bubo clamator Vieillot, *Ois. de l'Am. syst.* i. (1807) p. 52, Pl. 20 hab. "Caienne jusqu'à la baie
 d'Hudson"—hab. select. Cayenne—typ. in Cab. M. Dufresne).

Asio mexicanus aut. nec *Strix mexicana* Gml. !

Cayenne (Vieillot, Mus. Philada.—*fide* Cassin.)]

[426. *Pulsatrix perspicillatum* (Lath.).

Strix perspicillata Latham, *Index Orn.* i. (1790) p. 58 (typ. ex Cayenne in Mus. Lever.).

Cayenne (Mus. d. Pays-Bas.)]

[427. *Ciccaba huhula* (Daud.).

Strix huhula Daudin, *Traité d'Orn.* ii. (1800) p. 190 (ex Levaill. Pl. 41 et Mauduyt—typ. ex
 Cayenne in Mus. Paris).

Cayenne (Rothery collection in Mus. Brit., Mus. d. Pays-Bas.)]

[428. *Ciccaba hylophila* (Temm.).*

Strix hylophilum Temminck, *Planches coloriées*, Pl. 373 ("habite le Brésil," viz. Ypanema, S. Paulo
 —Natterer leg., typ. in Mus. d. Pays-Bas).

Cayenne (Mus. d. Pays-Bas.)]

[429. *Ciccaba virgata* (Cass.).

Syrnium virgatum Cassin, *Proc. Acad. Philad.* iv. (Dec. 1848) p. 124 (hab. South America—hab.
 select. Bogota—typ. in Mus. Philada.).

? *Strix fasciata* Vieill., 1817 (hab. Martinique—errore!).

Cayenne (Mus. Philada.—*fide* Cassin.)]

[430. *Strix flammea perlata* (Licht.).

Strix flammea Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 133 ("habitat in Europa"—hab. restrict.
 Suecia ex Fn. Svet. 73).

Strix perlata Lichtenstein, *Verz. Doubl. Mus. Berlin* (1823) p. 59 (hab. Brazil—hab. restrict.
 S. Paulo—typ. in Mus. Berol.).

Cayenne (Rothery collection in Mus. Brit.)]

* I agree with Dr. Sharpe that *Strix cayennensis* Gml., founded on Daubenton's *Pl. Enl.* 442, is not recognisable.

FAMILY *VULTURIDAE*.*[431. *Gypagus papa* (Linn.).

Vultur Papa Linné, *Syst. Nat.* ed. x. 1 (1758) p. 86 (ex. Edw. t. 2. et Alb. t. 4.—“hab. in India occidentali—hab. substit. Surinam”).

Cayenne (Sonnini, Buff.).]

[432. *Cathartes aura pernigra* (Sharpe).

[*Vultur Aura* Linné, *Syst. Nat.* ed. x. 1 (1758) p. 86 (ex Hernand., Marcgr., Catesb., Sloane—hab. “in America calidiore”—hab. substit. Brazil. or. ex Marcgr.).]

Oenops pernigra Sharpe, *Cat. Birds Brit. Mus.* i. (1874) p. 26 (descr. orig. hab. Guiana, Amazonia and Peru—habit. select. north side of River Amazon, typ. in Mus. Brit.).

“Toute la Guiane” (Brisson); Cayenne (Jelski leg.—Mus. H. v. B.).]

[433. *Catharista atratus brasiliensis* (Bonap.).

[*Vultur atratus* Wilson (ex Bartram), *Amer. Orn.* ix. (1814) p. 104. tab. lxxv. fig. 2.

Cathartes brasiliensis Bonaparte, *Consp. Av.* i. (1850) p. 9 (ex Am. merid. Antill.—hab. substit. Brasil. merid.).

No special records from Cayenne, but generally distributed over tropical South America.]

FAMILY *FALCONIDAE*†[434. *Ibyster americanus* (Bodd.).

Falco americanus Boddart, *Tabl. Pl. Enl.* (1783) p. 25 (ex Daubent. *Pl. Enl.* 417—typ. ex Cayenne: cf. Buffon, vol. i. p. 142).

Cayenne (Buffon, Mus. des Pays-Bas, Mus. H. v. B.); St. Georges d'Oyapock (Geay leg. in Mus. Paris).]

[435. *Ibyster ater* (Vieill.).

Daptrius ater Vieillot, *Analyse nouv. Orn. élément.* (1816) p. 68 (habite “le Brésil,” errore?—hab. substit. Cayenne, aut. Berl. & Hart.).

Cayenne (Mus. d. Pays-Bas, Mus. Heinean.).]

436. *Milvago chimachima* (Vieill.).

Polyborus chimachima Vieillot, *Nouv. Dict.* v. (1816) p. 259 (ex Azara—typ. ex Paraguay).

Approuague: 1 ♂ juv., December 12, 1902.

“Iris dark mummy-brown, feet pea-green, bill very pale horn, shaded with greyish.” No. 1131.

Al. 261½; caud. 186; culm. 23¾; tars. 49½ mm.

* *Cathartes urubitinga* Pelz. recorded from the Orinoco, as well as in North and South Brazil, is likely to be found in Cayenne, but we have no evidence of this fact.

† The following species of *Falconidae* not yet recorded from Cayenne are likely to be found there:

1. *Polyborus cheriway* (Jacq.), Brit. Guiana, or *P. tharus* (Molin.), Lower Amazons.
2. *Micrastur mirandollei* (Schl.), “Guiana” (Norwich Mus.)—Pará.
3. *Accipiter ventralis* Scl., Venezuela, or *A. erythrocnemis* Gray—Brazil or.
4. *Buteo abbreviatus* Cass.—Brit. Guiana—Brazil.
5. *Buteo swainsoni* Bp.—migrating from U.S. N. Am. to South America.
6. *Buteo hypospodius* Gurn.—Venezuela—Lower Amazon.
7. *Buteola leucorrhoea* (Vieill.)—Venezuela—Brazil.
8. *Geranoaëtus melanoleucus* (Vieill.)—Venezuela—Brazil.
9. *Urubitinga anthracina* (Licht.)—Brit. Guiana—Surinam (Mus. d. Pays-Bas).
10. *Rostrhamus sociabilis* (Vieill.)—South America generally.
11. *Rostrhamus hamatus* (Illig.)—Brit. Guiana—Pará.
12. *Falco peregrinus anatum* Bp.—Lower Amazon (Natterer).

[437. *Herpetotheres cachinnans* (Linn.).

Falco cachinnans Linné, *Syst. Nat.* ed. x. 1 (1758) p. 17 (ex Rolander, hab. Am. merid.—habit. substit. Surinam).

Cayenne (Vieillot, Geay leg. in Mus. Paris.)]

[438. *Circus buffoni* (Gml.).

Falco Buffoni Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 277 (ex "Cayenne Ringtail," Lath., *Syn.* i. 1. p. 91. No. 76A. Descr. accurata—typ. ex Cayenne, in Miss Blomefield's collection).
Aquila maculosa Vieillot, 1807.

Cayenne (Mus. Blomefield—*fide* Lath., Mus. Brit., juv.)]

[439. *Micrastur brachypterus* (Temm.).

Falco brachypterus Temminck, *Planches col.* (1822) tab. 116 (juv.), 141 (ad.), "au Brésil, à la Guyane et au Paraguay"—hab. typ. select. Brésil, juv. (Mus. d. Pays-Bas).
Micrastur semitorquatus et *M. melanoleucus* aut.—cf. Hellm. *Nov. Zool.* 1907. p. 405.

Cayenne (Mus. d. Pays-Bas, Leblond leg. in Mus. Paris—*fide* Less.)]

[440. *Micrastur ruficollis* (Vieill.).

Sparvius ruficollis Vieillot, *Nouv. Dict.* x. (1817) p. 322 (Amérique méridionale—hab. subst. Rio, Brazil).

Cayenne (Mus. d. Pays-Bas—*fide* Schleg. individu figuré dans les *Pl. col.* 92, s.n. *Nisus xanthothorax* Temm.)]

441. *Micrastur gilvicollis* (Vieill.).

Sparvius gilvicollis Vieillot, *Nouv. Dict.* x. (1817) p. 323 (loc. ignot.—habit. substit. Cayenne, aut. Hellm.).

Nisus concentricus Lesson, 1831.

Micrastur pelzelni Ridgw. 1875.

Ipousin, Approuague : 1 ♂ ad.

"Iris cream, feet orange-yellow, bill blackish olive, yellowish at base, bare skin of face orange-chrome."

Al. 181½; caud. 145; culm. 17½; tars. 63½ mm.

This specimen, which is apparently quite adult, has the upper parts blackish plumbeous with a brownish shade on the wings, the throat whitish, the lower neck, breast, and upper belly with black and white cross-bars of nearly equal width, the tibiae marked with very narrow brownish black transverse lines, the middle of the belly and under tail-coverts immaculate white, the tail crossed by two narrow, white bands and a third one which is quite imperfect and nearly hidden by the upper tail-coverts, all the tail-feathers being terminated with a narrow margin of brownish white. It has the base of the under mandible yellowish (cf. Gurney, *A List of Diurnal Birds of Prey* (1884) pp. 121-26).

[Cayenne (Mus. Norwich, Poiteau leg. in Mus. Paris—*fide* Less.)]

[442. *Geranospizias caerulescens* (Vieill.).

Sparvius caerulescens Vieillot, *Nouv. Dict.* x. (1817) p. 318 (hab. "Amérique méridionale"—hab. substit. Cayenne—aut. Berl. & Hart.).

Cayenne (Mus. d. Pays-Bas); St. Georges d'Oyapock (Geay leg. in Mus. Paris.)]

[443. **Accipiter tinus** (Lath.).

Falco tinus Latham, *Ind. Orn.* i. (1790) p. 50 (hab. Cayenne—Mus. Lever.).

Cayenne (Mus. Lever., Leblond leg. in Mus. Paris—*fide* Less.; Mus. d. Pays-Bas, Deplanches leg.—*fide* Bp.).]

[444. **Cooperastur bicolor** (Vieill.).

Sparvius bicolor Vieillot, *Nouv. Dict.* x. (1817) p. 325 (typ. ex Cayenne—juv.).

Cayenne (E. Wilson leg. in Mus. Brit., Leblond leg. in Mus. Paris—*fide* Less., Mus. Philada.—*fide* Cass.).]

[445. **Morphnus guianensis** (Daud.).

Falco guianensis Daudin, *Traité d'Orn.* ii. (1800) p. 78 (ex Mauduyt—typ. ex Cayenne).

Cayenne (Mauduyt), Guiane (Bullock in Mus. d. Pays-Bas).]

[446. **Thrasaetus harpyia** (Linn.).

Vultur Harpyja Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 121 (ex Maregr. et Hernand.—hab. Mexico).

Cayenne (Mauduyt).]

[447. **Spizaetus tyrannus** (Wied.).

Falco tyrannus Pr. Maximilian Wied-Neuwied *Reise Bras.* i. (1820) p. 360 (typ. ex Rio Belmonte nunc in *Ann. Mus. N. H. New York*).

Not yet recorded from Cayenne, but generally distributed over tropical South America, also Surinam (Mus. Lisbon).]

[448. **Spizaetus ornatus** (Daud.).

Falco ornatus Daudin, *Traité d'Orn.* ii. (1800) p. 77 (ex Mauduyt—typ. ex Cayenne).

Falco mauduyti Daudin, *ibid.* p. 73.

Cayenne (Maud.), Becoer in Mus. Vindob., Leblond leg. in Mus. Paris (*fide* Less.).]

[449. **Spiziastur melanoleucus** (Vieill.).

Buteo melanoleucus Vieillot, *Nouv. Dict.* iv. (1816) p. 482 (hab. "Guyane," sc. Cayenne).

Cayenne (Vieillot, Mus. Paris—*fide* Temm.).]

[450. **Buteo albicaudatus** Vieill.

Buteo albicaudatus Vieillot, *Nouv. Dict.* iv. (1816) p. 477 (hab. "Amér. mérid."—habit. restrict. Rio de Janeiro, Brazil).

No records from Cayenne, but generally distributed over eastern tropical South America.]

[451. **Antenor uncinctus** (Temm.).

Falco uncinctus Temminck, *Planches coloriées* i. (1824) pl. 313 (typ. ex Boa Vista, Rio Grande, Aug. Saint-Hilaire leg. in Mus. Paris).

No records from Cayenne, but generally distributed over tropical South America.]

[452. **Buteola brachyura** (Vieill.).

Buteo brachyurus Vieillot, *Nouv. Dict.* iv. (1816) p. 477 (loc. inc.—hab. substit. Cayenne).

Cayenne (Becoer in Mus. Vindob. s.n. *minutus*—juv., M. Leblond leg. in Mus. Paris—*fide* Lesson, s.n. "*melanoleucus*").]

453. **Rupornis magnirostris** (Gml.).

Falco magnirostris Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 282 (ex Buffon & Daubent. *Pl. Enl.* 464—typ. ex Cayenne).

Approuague: 1 ♂ ad., December 8, 1902.

“Iris lemon-yellow, feet deep chrome, bill black, grey at base of mandible, cere chrome, citron-yellow about eye.” No. 1032.

Al. 212½; caud. 153; culm. 18¾; tars. 63 mm.

[Cayenne (Buff., Poiteau leg. in Mus. Paris—*fide* Less.).]

[454. **Asturina nitida** (Lath.)

Falco nitidus Latham, *Ind. Orn.* i. (1790) p. 41 (typ. ex “Cayenne”).

Cayenne (Latham, Dufresne in Mus. Vindob., Leblond leg. in Mus. Paris—*fide* Lesson).]

[455. **Leucopternis albicollis** (Lath.).

Falco albicollis Latham, *Ind. Orn.* i. (1790) p. 36 (habitat in “Cayana”).

Cayenne (Latham, Leblond leg. in Mus. Paris—*fide* Less., Mus. d. Pays-Bas, Jelski leg. in Mus. Brit.). Ouanary (Geay leg. in Mus. Paris.)

? [456. **Leucopternis lacernulata** (Temm.).

Falco lacernulatus Temminck, *Planches coloriées* i. (1827) Pl. 437 (habite le Brésil, coll. Lalande et Aug. Sainte-Hilaire in Mus. Paris—hab. restrict. Rio Janeiro).

Cayenne (*fide* Schleg.), “Guyane,” female adult in Mus. d. Pays-Bas—*fide* Schleg.]

[457. **Leucopternis melanops** (Lath.).

Falco melanops Latham, *Ind. Orn.* i. (1790) p. 37 (hab. in Cayana, typ. in Mus. Lever.).

Cayenne (Latham, Mus. d. Pays-Bas ex Mus. Paris—*fide* Schleg., Mus. Paris—*fide* Less.). St. Georges, Oyapock (Geay leg. in Mus. Paris.)

[458. **Leucopternis schistacea** (Sundev.).

Asturina schistacea Sundevall, *Oefv. K. Vet. Akad. Förh.* 1849. p. 132.

Cayenne (*fide* Schleg.).]

[459. **Urubitinga urubitinga** (Gml.).

Falco Urubitinga Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 265 (ex Marcgr.—hab. “Brasil,” sc. Brasil. or.).

Cayenne (Becoer in Mus. Vindob., Mus. Brit., Mus. de Paris—*fide* Less.).]

[460. **Heterospizias meridionalis** (Lath.).

Falco meridionalis Latham, *Ind. Orn.* i. (1790) p. 36 (typ. ex Cayenne).

Cayenne (Latham), Mus. Paris, Poiteau leg. (*fide* Less.).]

461. **Buteogallus aequinoctialis** (Gml.).

Falco aequinoctialis Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 265 (ex Latham—typ. ex “Cayenne” in coll. Miss Blomefield).

Cayenne: 1 ♀ juv., October 29, 1902.

“Feet bright olive-yellow, bill black at tip, pale plumbeous at base, bare skin on face dusky ochre” (in dried skin basal half of upper mandible yellow).

No. 390.

Al. 312½; caud. 174; culm. 31; tars. 77 mm.

This young bird presents the plumage which is described by Mr. Gurney in *Ibis*, 1876, p. 485. The breast and abdomen are creamy white, but the black and rufous feathers of the adult are already appearing.

[Cayenne (Latham, Mus. d. Pays-Bas, Mus. Vindob., specim. ex Becoer).]

[462. **Busarellus nigricollis** (Lath.).

Falco nigricollis Latham, *Ind. Orn.* i. (1790) p. 35 (typ. ex Cayenne in Mus. Lever.).

Cayenne (Latham, Mauduyt, Leblond leg. in Mus. Paris—*fide* Less.).]

[463. **Elanoides forficatus** (Linn.).

Falco forficatus Linné, *Syst. Nat.* ed. x. 1 (1758) p. 89 (ex Catesby, t. 4—hab. non indicat.—hab. subst. Carolina).

St. Georges d'Oyapock (Geay leg. in Mus. Paris).]

[464. **Gampsonyx swainsoni** Vig.

Gampsonyx swainsoni Vigors, *Zool. Journ.* ii. (1825) p. 69 (typ. ex Bahia, tableland).

No records from Cayenne, but generally distributed over tropical South America.]

[465. **Elanus leucurus** (Vieill.).

Milvus leucurus Vieillot, *Nouv. Dict.* xx. (1818) p. 563 (ex Azara, typ. ex Paraguay).

No records from Cayenne, but generally distributed over tropical South America.]

[466. **Ictinia plumbea** (Gml.).

Falco plumbeus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 283 (ex Latham, typ. in coll. Miss Blomefield—hab. Cayenne).

Cayenne (Latham, Mus. d. Pays-Bas).]

[467. **Regerhinus uncinatus** (Temm.).

Falco uncinatus Temminck, *Planches coloriées* (1824) Pls. 103, 104, 105 (typ. ex Brésil in Mus. d. Pays-Bas).

Cayenne (Leblond leg. in Mus. Paris—*fide* Less.).]

[468. **Leptodon cayennensis** (Gml.).

Falco cayennensis Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 263 (ex Latham, coll. Miss Blomefield et Buffon—hab. Cayenne).

Cayenne (coll. Miss Blomefield—*fide* Lath., Buff., Leblond leg. in Mus. de Paris—*fide* Less., Mus. des Pays-Bas).]

[469. **Harpagus diodon** (Temm.).

Falco diodon Temminck, *Planches coloriées* (1824) Pl. 198 (hab. Brésil—hab. restrict. Ypanema, S. Paulo—coll. Natterer).

Cayenne (Deplanches leg.—*fide* Bp., Leblond leg. in Mus. Paris—*fide* Less., Mus. d. Pays-Bas ex Mus. Paris).]

[470. **Harpagus bidentatus** (Lath.).

Falco bidentatus Latham, *Ind. Orn.* i. (1790) p. 38 (habitat in Cayana).

Cayenne (Latham, Mus. d. Pays-Bas, ex Mus. Paris). Ouanary and Camopi (Geay leg. in Mus. Paris).]

[471. **Tinnunculus sparverius isabellinus** (Swains.).

Falco sparverius Linné, *Syst. Nat.* ed. x. (1758) p. 90 (ex Catesby hab. Virginia, Carolina—hab. select. Virginia).

Falco isabellinus Swainson, *Anim. in Menag.* (1838) p. 281 (typ. ex Demerara).
Cayenne (Buffon).]

[472. **Hypotriorchis fuscocaerulescens** (Vieill.).

Falco fusco-caerulescens Vieillot, *Nouv. Dict.* xi. (1817) p. 90 (ex Azara—typ. ex Paraguay).

No records from Cayenne, but generally distributed over tropical South America.]

[473. **Hypotriorchis ruficularis** (Daud.).

Falco ruficularis Daudin, *Traité d'Orn.* ii. (1800) p. 131 (ex Latham—typ. ex Cayenne, *vide* Lath.).

Falco albigularis Daudin, *ibid.* p. 131—descr. minus accurata.

Cayenne (Latham).]

[474. **Hypotriorchis aurantius** (Gml.).

Falco aurantius Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 283 (ex Latham—typ. ex Surinam, olim in Mus. Brit.).

Falco deiroleucus Temminck, 1825.

No records from Cayenne, but generally distributed over tropical South America. Surinam (Lath.).]

[475. **Pandion haliaetus carolinensis** (Gml.).

Falco haliaëtus Linné, *Syst. Nat.* ed. x. (1758) p. 91 (hab. "Europa"—hab. restrict. Suecia, aut. Berl. & Hart.).

Falco carolinensis Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 263 (ex Catesby, loc. incert.—habit. substit. Carolina, aut. Berl. & Hart.).

No records from Cayenne, but generally distributed over tropical South America.]

FAMILY COLUMBIDAE.*

[476. **Columba speciosa** Gml.

Columba speciosa, Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 783 (ex Buff., Daubent., *Pl. Enl.* 213. ex Lath.—hab. Cayenne).

Cayenne (Buffon, Mus. Lever., Mus. d. Pays-Bas).]

477. **Columba rufina** Temm. & Knip.

Columba rufina Temminck & Knip, *Pigeons* i. fam. seconde (1808-11) p. 59. Planche 24 (hab. La Guiane française, sc. Cayenne).

Cayenne: 1 ♂ ad., October 5, 1902.

Is. le Père: 1 ♂ ad., October 25, 1902.

"Iris rose red, feet burnt carmine, bill black."

Nos. 11, 324.

♂♂ ad.: al. 182½—174½; culm. 19½—17¾; tars. 26½—24½ mm.

[Cayenne (Rothery collection in Mus. Brit., Mus. Varsovie).]

* The following species of *Columbidae* not yet recorded from Cayenne may occur in that country:

1. *Zenaida vinaceorufa* Ridgw.—Brit. Guiana, or *Z. jessieae* Ridgw.—Lower Amazons.
2. *Columbigallina rufipennis* (Bp.)—"Guiane" (Mus. d. Pays-Bas).
3. *Geotrygon violacea* (Temm. & Knip)—Surinam (Mus. d. Pays-Bas) to Brazil.

[478. **Columba purpureotincta** Ridgw.

Columba purpureotincta Ridgway, *Proc. U.S. Nat. Mus.* (1887) p. 594 (typ. ex Demerara).

Columba vinacea Temminck & Knip (nec Gml.) 1808-11.

? *Columba Cayennensis* Bonnaterre, *Tabl. Enc. Méth.* i. (1791) p. 234 (ex Holandre—typ. ex Cayenne).

Cayenne (Temminck).]

[479. **Scardafella ridgwayi** Robins. & Richm.

Scardafella ridgwayi Robinson & Richmond, *Proc. U.S. Nat. Mus.* xviii. (1896) p. 660 (typ. ex ins. Margarita).

Columba squamosa Temm. & Knip, nec Bonnat.

Cayenne (Mus. d. Pays-Bas).]

480. **Columbigallina passerina griseola** (Spix).

[*Columba passerina* Linné, *Syst. Nat.* ed. x. 1 (1758) p. 165 (ex Sloane & Catesb., excl. syn. Maregr. cujus descr. ad *Scardafella ridgwayi* dictam pertinet.—hab. “in America inter tropicos”—habit. substit. Jamaica ex Sloane).]

Columba griseola Spix, *Av. Bras.* ii. (1825) p. 58. Pl. lxxv. fig. 2 (hab. “in sylvis fl. Amazonum”—typ. in Mus. Monac. ♀ jr.).

Cayenne: 5 ♂♂ ad., October 28 (two), 29, November 4 (two); 1 ♂ jr., November 13, 1902.

Roche-Marie: 2 ♂♂ ad., November 8 (two); 1 ♀ ad., November 13, 1902.

“Iris orange red, feet flesh-colour, bill black at tip, slate at base (blackish at tip, slate at base).”

Nos. 359, 360, 391, 505, 506, 633, 634, 746, 820.

♂♂ ad.: al. 80—77½; caud. 59—54; culm. 11¾—9¾; tars. 16½—16 mm.

♀ ad.: al. 77½; caud. 59; culm. 11¼; tars. 15¾ mm.

[481. **Columbigallina talpacoti** (Temm. & Knip).

Columba talpacoti Temminck & Knip, *Pigeons* i. fam. trois. (1808-11) p. 22.

Cayenne (Rothery in Mus. Brit., Deplanches leg.—*vide* Bp., Mus. d. Pays-Bas).]

[482. **Columbigallina minuta** (Linn.).

Columba minuta Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 285 (ex Brisson, hab. San Domingo, errore—habit. substit. Cayenne aut. Berl. & Hart.).

Cayenne (Bonnat. ex Holandre).]

[483. **Claravis pretiosa** (Ferrari Perez).

Peristera pretiosa Ferrari—Perez, *Proc. U.S. Nat. Mus.* ix. 1886 (1887) p. 175 (typ. ex Jalapa Mexico).

Columba cinerea Temm. & Knip, 1811, nec Scop. 1786.

Cayenne (Laugier).]

484. **Leptotila verreauxi** Bp.

Leptotila verreauxi Bonaparte, *Consq. Av.* ii. (1854) p. 73 (ex “Nova Granata,” sc. Colombia).

Cayenne: 1 ♂ ad., November 3, 1902.

Roche-Marie: 1 ♂ ad., November 11, 1902.

“Iris saturn red, feet burnt carmine, bill black.”

Nos. 499, 699.

♂♂: al. 132—125; caud. 99½—97; culm. 16½; tars. 27¾—26 mm.

485. *Leptotila rufaxilla* (Rich. & Bern.).

Columba rufaxilla Richard & Bernard, *Act. Soc. Hist. Nat. Paris* i. (1792) p. 118 (typ. ex Cayenne).

Cayenne : 1 ♀ ad., November 29, 1902.

Approuague : 1 ♂ ad., December 10, 1902.

Iponsin, R. Approuague : 1 ♂ ad., January 6, 1903.

“Iris saturn red (clay-yellow), feet burnt carmine, bill black.”

Nos. 980, 1102, 3018.

♂♂ ad. : al. 142—139 ; caud. 100½—99½ ; culm. 17½—16½ ; tars. 31½—30½ mm.

♀ ad. : al. 146 ; caud. 102 ; culm. 14¾ ; tars. 28½ mm.

[Cayenne (Rich. & Bern.). Camopi (Geay leg. in Mus. Paris).]

[486. *Geotrygon montana* (Linn.).

Columba montana Linné, *Syst. Nat.* ed. x. 1 (1758) p. 163 (ex Edw. t. 119, and Sloane t. 261. f. 1—hab. Jamaica).

Cayenne (Buff.)]

FAMILY TETRAONIDAE.

[487. *Eupsychortyx sonnini* (Temm.).

Perdix Somini Temminck, *Hist. Nat. Gén. des Pigeons et des Gallinae*, iii. (1815) pp. 451, 737 (hab. Guiana sc. Cayenne ex Sonnini, edit. Buffon).

Cayenne (Sonnini) [Brit. Guiana—Whitely].]

[488. *Odontophorus guianensis* (Gml.).

Tetrao gujanensis Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 767 (ex Buffon, tome iv. p. 513—typ. ex Cayenne—excl. quot. Buncr. Guj. et Lath. e. specim. ex Guiana Brit. ?*).

Cayenne (Buffon, Mus. H. v. B.).]

FAMILY CRACIDAE.†

[489. *Crax alector* Linn.

Crax alector Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 269 (ex Brisson, hab. “La Guiane,” sc. Cayenne—“hab. Brésil et Jamaïque,” errore!).

Cayenne (Brisson) [Brit. Guiana—Whitely].]

[490. *Mitua mitu* (Linn.).

Crax Mitu Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 270 (ex Marcgr.—“habitat in Brasilia, Guiana”—hab. select. Brasil or. ex Marcgr.—hab. substit. Pará).

No records from Cayenne, but obtained in Brit. Guiana and at Pará, also mentioned from “Guiana” by Brisson.]

* Specimens from British Guiana collected by the late H. Whitely, jr., named “*guianensis*” by Messrs. Salvin and Grant, are quite distinct. They come nearer to *O. pachyrhynchus* Tsch., but are perhaps to be distinguished from it.

† The following species of *Cracidae* not yet mentioned from Cayenne are likely to be found there :

1. *Nothocrax urumutum* (Spix)—Brit. Guiana (Schomb.)—Amazonia.
2. *Mitua tomentosa* (Spix)—Brit. Guiana—Orinoco—Rio branco.
3. *Penelope jacucaca* Spix—Brit. Guiana?—Bahia.

Crax daubentoni Gray and *Pauxi pauxi* (Linn.), said to have occurred in Cayenne, are not believed to be inhabitants of that country.

491. *Penelope marail* Gml.

Penelope Marail Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 734 (ex Buff. & Daubent. *Pl. Enl.* 338—typ. ex Cayenne).

Penelope jacupeba Spix, *Av. Bras.* ii. (1825) p. 54. tab. lxxi. (in sylvis. Parae—typ. in Mus. Monac.).

Ipousin, R. Approuague : 2 ♂♂ ad., and 1 ♀ ad., January 1, 1903. The female had a nearly developed egg in the oviduct.

Nos. 12957, 12963, 12969.

“ Iris walnut brown (burnt amber), feet vinaceous purple, bill blackish, bare skin on side of face slate, throat scarlet.”

♂♂ : al. 284—282½ ; caud. 282—272 ; culm. 33½—33 (17¾—17½) ; tars. 66½—64½ mm.

♀ : al. 253 ; caud. 233 ; culm. 28½ (14½) ; tars. 58½ mm.

These birds agree very well with Mr. Hellmayr's description of the type of *P. jacupeba* Spix from Pará in the Munich Museum, and also with Mr. Grant's description of *P. jacupeba*. At the same time there can be no doubt, I think, that *P. marail* Gmelin (ex Buff. & Daubent.) is the same species. The species from British Guiana named *P. marail* by M. Grant now wanting a name, I have much pleasure in proposing for it the name

***P. granti*.**

[Cayenne (Buffon).]

492. *Ortalis motmot* (Linn.).

Phasianus Motmot Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 271 (ex Briss.—hab. “ Brasilia, Guiana ”—hab. select. Guiana. sc. Cayenne, typ. in Mus. Réaumur).

Cayenne, Market Place : 1 ♂ ad., October 4, 1902.

Approuague : 1 ♂ ad., December 15, 1902.

Ipousin, R. Approuague : 1 ♂ ad., December 29, 1902.

“ Iris chestnut, feet vinaceous (vinaceous washed with purple), bill slate grey, darker at base.”

Nos. 9, 12731, 12899.

♂♂ ad. : al. 215—202 ; caud. 256—245 ; culm. 29—24 (17—11) ; tars. 63½—60½ mm.

[Cayenne (Brissou, Buffon, Mus. Vindob., Mus. H. v. B.).]

[493. *Pipile cumanensis* (Jacq.).

Craux cumanensis Jacquin, *Beytr. Gesch. Vögel* (1784) p. 25 (hab. “ Am Orinokoflusse bei Kumana ”).

Oyapoc, Cayenne (Merrem).

Cayenne specimens should be re-examined ; perhaps they are referable to *P. cujubi* (Pelz.).]

FAMILY *OPISTHOCOMIDAE*.494. *Opisthocomus hoazin* (Müll.).

Phasianus hoazin P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 125 (ex Daubent. *Pl. Enl.* 337—typ. ex Cayenne).

Approuague : 2 ♀♀, December 16, 19, 1902.

“ Iris carmine, feet blackish slate, bill slate grey, dusky basally.”

Nos. 12771, 12782.

♀ ♀ : al. 317—308 ; caud. 284—280 ; culm. 30 ; tars. 58—57 mm.

[Cayenne (Buffon, Riocour collection in Mus. Brit.).]

FAMILY *TINAMIDAE*.*

495. *Tinamus major* (Gml.).

Tetrao major Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 767 (ex Buff. & Daubent. *Pl. Enl.* 476 †—typ. ex Cayenne—excl. quot. Marcgr.).

Trachypelmus subcristatus Cabanis in Schomb. *Reise Brit. Guiana* iii. (1848) p. 749 (typ. ex Brit. Guiana in Mus. Berol.).

Cayenne, Market Place : 1 ♂ ad., October 8, 1902. No. 18.

Al. 243 ; caud. 90 ; culm. 34 (18) ; tars. 64½ mm.

This specimen differs from a female collected by the late H. Whitely, jun., near Camacusa, Brit. Guiana, in having the pileum rufous brown instead of blackish brown, the front being but slightly mixed with blackish. The occipital pendent crest is as well developed as in the Camacusa birds.

[Cayenne (Buffon, Mus. Vindob., Mus. Brit., Mus. Heinean., Mus. Strickland). Haut Oyapock (Geay leg. in Mus. Paris—*fide* Meneg.).]

[496. *Crypturus cinereus* (Gml.).

Tetrao cinereus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 768 (ex Buffon, tome iv. p. 510—typ. ex Cayenne).

Cayenne (Buffon, M. Cuoy collection in Mus. Brit., Mus. d. Pays-Bas).]

497. *Crypturus soui* (Herm.).

Tinamus soui Hermann, *Tab. Aff. Anim.* (1783) pp. 164, 235 (ex Daubenton, *Pl. Enl.* 829—typ. ex Cayenne).

Tetrao pileatus Boddaert, 1783.

Cayenne : 1 ♀ ad., October 21, 1902. No. 234.

“ Iris hazel, feet dusky pea-green, bill slate-black, pale at base of mandible.”

Al. 131 ; caud. 42 ; culm. 21½ (12¾) ; tars, 35½ mm.

[Cayenne (Buffon, Mus. d. Pays-Bas).]

? [498. *Crypturus tataupa* (Temm.).

Tinamus tataupa Temminck, *Hist. Nat. des Pigeons et Gallinae*, iii. (1815) pp. 590, 752 (hab. “ Brésil ” typ. in Mus. Lisbon—hab. substit. Rio de Janeiro).

Cayenne (Mus. d. Pays-Bas).]

[499. *Crypturus variegatus* (Gml.).

Tinamus variegatus Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 768 (ex Buff. & Daubent. *Pl. Enl.* 828—typ. ex Cayenne).

Cayenne (Buffon), Mus. d. Pays-Bas, H. C. Rothery collection in Mus. Brit., “ Charvin près du Maroni ” (Geay leg. in Mus. Paris).]

* The following species of *Tinamidae* not yet known from Cayenne may possibly occur there :

1. *Tinamus tao* Temm.—Brit. Guiana—Pará.

2. *Crypturus adspersus* Temm.—Pará, or *C. simplex* Salvad.—Brit. Guiana.

3. *Crypturus erythropus* Pelz.—N. Brazil, or *C. dissimilis* Salvad.—Brit. Guiana.

† Daubenton's Plate, although very bad, is recognisable, and the description given by Buffon leaves no doubt that he had before him a large *Tinamus* with a rufous pileum,

FAMILY RALLIDAE.*

[500. *Rallus longirostris* Bodd.

Rallus longirostris Boddaert, *Tabl. Pl. Enl.* (1783) p. 52 (ex Daubent. *Pl. Enl.* No. 849—typ. ex Cayenne).

Cayenne (Buffon, Deplanches leg.—*vide* Bp., Mus. d. Pays-Bas.)]

[501. *Limnopardalus maculatus* (Bodd.).

Rallus maculatus Boddaert, *Tabl. Pl. Enl.* (1783) p. 48 (ex Daubent. *Pl. Enl.* 775—typ. ex Cayenne).

Cayenne (Buffon, Mus. d. Pays-Bas, Mus. Vindob.)]

502. *Aramides cajanea* (Müll.).

Fulica Cajanea P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 119 (ex Daubent. *Pl. Enl.* 352—typ. ex Cayenne).

Cayenne : 1 ♀ ad., December 4, 1902.

No. 1007.

“ Iris coral red, bill basal half yellowish apple-green, distal half all green, feet burnt carmine.”

Al. 176 ; caud. 56½ ; culm. 56 ; tars. 69½ mm.

[Cayenne (Buffon, Mus. Vindob.—*vide* Pelzeln.)]

[503. *Porzana albicollis* (Vieill.).

Rallus albicollis Vieillot, *Nowv. Dict.* xxviii. (1819) p. 561 (ex Azara—typ. ex Villa de Curuguati del Paraguay).

No records from Cayenne, but generally distributed over eastern South America, also noted from “ Guiana ” (Mus. Heinean.) and Surinam (Mus. d. Pays-Bas.)]

[504. *Porzana flaviventer* (Bodd.).

Rallus flaviventer Boddaert, *Tabl. Pl. Enl.* (1783) p. 52 (ex Daubent. *Pl. Enl.* 847—typ. ex Cayenne).

Cayenne (Buffon, Mus. d. Pays-Bas).

Oyapock River, Cayenne (Jelski leg., Salvin & Godman collection in Mus. Brit., Mus. d. Pays-Bas.)]

[505. *Thyrorhina schomburgki* (Cab.).

Crex schomburgki Cabanis in Schomb. *Reise Brit. Guiana*, ii. p. 245 descr., iii. (1848) p. 760 (typ. ex Brit. Guiana in Mus. Berol.).

Cayenne (Deplanches leg.—*vide* Bp.)]

[506. *Creciscus exilis* (Temm.).

Rallus exilis Temminck, *Planches col. Livr.* 87 (1831) Pl. 523 (“ envoyé au Musée de Paris par M. Martin,” “ loc. ignot.”—habit. substit. Cayenne).

? *Rallus cinereus* Vieillot, 1819.

Cayenne (Salvin & Godman collection in Mus. Brit.)]

* The following species of *Rallidae* not yet recorded from Cayenne may possibly occur there :

1. *Limnopardalus nigricans* (Vieill.), Colombia—Brazil (Pernambuco).
2. *Aramides axillaris* Lawr., Brit. Guiana (*A. mangla*—Bahia).
3. *Amaurolimnas concolor* Gosse—“ Guiana ”—Brazil.
4. *Creciscus melanophaius* (Vieill.)—Surinam—Pará.
5. *Neocrex erythrops* Scl.—Bahia—Venezuela—Guyane (Schlegel).

507. **Creciscus viridis** (Müll.).

Rallus viridis P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 120 (ex Daubent. *Pl. Enl.* 368—typ. ex Cayenne).

Rallus cayanaensis Boddaert, 1783.

Cayenne : 1 ♂ ad., November 26; 3 ♀♀ ad. November 22, 24, 27, 1902.

Roche-Marie, Cayenne : 1 ♂ ad., November 11; 1 ♀ ad., November 10, 1902.

“Iris rufous, feet geranium pink, bill above slate-black, below slate-grey (slate-black above, bluish slate-grey below).”

Nos. 653, 698, 859, 882, 915, 953.

♂♂ ad. : al. 89—83; cand. $29\frac{1}{2}$ —28; culm. $18\frac{1}{4}$ — $16\frac{3}{4}$; tars. $35\frac{1}{2}$ — $34\frac{3}{4}$ mm.

♀♀ ad. : al. 91— $83\frac{1}{2}$; caud. 30— $28\frac{1}{2}$; culm. $18\frac{1}{2}$ — $17\frac{1}{4}$; tars. $37\frac{1}{2}$ — $35\frac{1}{2}$ mm.

[Cayenne (Buff., Mus. d. Pays-Bas, coll. Jelski, Mus. H. v. B.). St. Georges d'Oyapock (Geay leg. in Mus. Paris).]

[508. **Gallinula galeata** (Licht.).

Crex galeata Lichtenstein, *Verz. Doubl. Zool. Mus. Berlin* (1823) p. 80 (typ. ex San Paulo in Mus. Berol).

No records from Cayenne, but generally distributed over South America : Brit. Guiana (Schomb.)]

[509. **Porphyriola martinica** (Linn.).

Fulica martinica Linné, *Syst. Nat.* ed. xii. 1. (1766) p. 259 (“hab. in Martinicae inundatis,” ex Jacquin).

Cayenne (H. C. Rothery collection in Mus. Brit., Deplanches leg.—*fide* Bp.)]

[510. **Porphyriola parva** (Bodd.).

Fulica parva Boddaert, *Tabl. Pl. Enl.* (1783) p. 54 (ex Daubent. *Pl. Enl.* 897, typ. ex Cayenne).

Cayenne (Buffon, Mus. d. Pays-Bas, Mus. H. v. B.)]

FAMILY *HELIORNITHIDAE*.

[511. **Heliornis fulica** (Bodd.).

Colymbus fulica Boddaert, *Tabl. Pl. Enl.* (1783) p. 54 (ex Daubent. *Pl. Enl.* 893, typ. ex Cayenne).

Cayenne (Buffon), (Rothery collection in Mus. Brit., Mus. d. Pays-Bas). St. Georges d'Oyapock (Geay leg. in Mus. Paris).]

FAMILY *ARAMIDAE*.

[512. **Aramus scolopaceus** (Gml.).

Ardea scolopacea Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 647 (ex Buff. & Daubent.—typ. ex Cayenne).

Cayenne (Buffon, Mus. d. Pays-Bas.)]

FAMILY *EURYPYGIDAE*.

[513. **Eurypyga helias** (Pall.).

Ardea helias Pallas, *Neue Nord. Beytr.* ii. (1781) p. 48. tab. iii. (typ. ex Surinam).

Cayenne (Rioconr collection in Mus. Brit., Mus. d. Pays-Bas.)]

FAMILY *PSOPHIIDAE*.

[514. *Psophia crepitans* Linn.

Psophia crepitans Linné, *Syst. Nat.* ed. x. (1758) p. 154 (hab. in "America merid."—hab. substit. Cayenne ex Barrère, excl. syn. Marcgrave).

·Cayenne (Barrère, Buffon). Maroni et rivière Lunier, Haut Carsevenne (Geay leg. in Mus. Paris).]

FAMILY *IBIDAE*.*

[515. *Theristicus caudatus* (Bodd.).

Scolopax caudatus Boddart, *Tabl. Pl. Enl.* (1783) p. 57 (ex Daubent. *Pl. Enl.* 976—typ. ex Cayenne).

Cayenne (Buffon, Mus. d. Pays-Bas).]

[516. *Harpiprion cayennensis* (Gml.).

Tantalus cayennensis Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 652 (ex Buff. & Daubent. *Pl. Enl.* 820—typ. ex Cayenne).

Cayenne (Buffon, Mus. d. Pays-Bas), (Geay leg. in Mus. Paris).]

? [517. *Plegadis guarauna* (Linn.).

Scolopax guarauna Linné, *Syst. Nat.* ed. xii. i. 1 (1766) p. 242 (ex Marcgr., typ. ex Brasil or.—excl. quot. Brisson).

? Cayenne (Buffon).]

[518. *Eudocimus albus* (Linn.).

Scolopax alba Linné, *Syst. Nat.* ed. x. 1 (1758) p. 145 (ex Catesby i. t. 82—typ. ex Carolina).

"Nous avons reçu ce courlis blanc de la Guyane" (Buff.].]

519. *Eudocimus ruber* (Linn.).

Scolopax rubra Linné, *Syst. Nat.* ed. x. 1 (1758) p. 145 (ex Catesby etc.—hab. in "America"—hab. restrict. ins. Bahamas, ex Catesby).

Cayenne, Market Place: 1 ♂ ad., October 23; 1 ♂ not quite adult, October 3; 2 ♀♀ (juveniles); and one young bird without indication of sex, October 3, 1902.

Nos. 1, 2, 3, 4, 5.

♂♂: al. 277—272; caud. 101—91; culm. 167—157½; tars. 94½—80 mm.

[Cayenne, très commun (Buffon), Mus. d. Pays-Bas.].]

FAMILY *PLATALEIDAE*.

[520. *Platalea ajaja* (Linn.).

Platalea Aiaia Linné, *Syst. Nat.* ed. x. 1 (1758) p. 140 (ex Sloane, Jam., Marcgr., Bras., Hern.—hab. "in America australi"—hab. restrict. Brasil. or. ex Marcgr.).]

Cayenne (Buffon).

[Surinam (Mus. d. Pays-Bas).]

* The following species of *Ibidae* not yet recorded from Cayenne may probably be found there:

1. *Phimosus infuscatus* (Licht.)—Brit. Guiana—Para.

2. *Cercibis oxycerca* (Spix)—Brit. Guiana—Brazil.

FAMILY ARDEIDAE.

[521. *Ardea cocoi* Linn.*

Ardea Cocoi Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 237 (ex Briss. etc.—ex “Cayana,” sc. Cayenne).
Cayenne (Brisson, “niche à Cayenne”—Buffon).]

[522. *Herodias egretta* (Gml.).

Ardea Egretta Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 629 (ex Buff. & Daubent. *Pl. Enl.* 925, etc.—hab. “in ins. Dominica, Falkland, Louisiana”—hab. restrict. ins. Dominica).
Cayenne, “commun, niche sur les petites îles” (Buffon).]

[523. *Leucophoyx candidissima* (Gml.).

Ardea candidissima Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 633 (ex Jacquin *Beytr.* p. 18—typ. ex “Carthagena”).
Cayenne (Mus. Paris—*fide* Cuv., Deplanches leg.—*fide* Bp., Rothery collection in Mus. Brit.).]

[524. *Florida caerulea* (Linn.).

Ardea caerulea Linné, *Syst. Nat.* ed. x. 1 (1758) p. 143 (“America septr.”—hab. restrict. Carolina ex Catesby—aut. Berl. & Hart.).
Cayenne (Buffon, Deplanches leg.—*fide* Bp.).
“Mahury, rives de Kaw” (Geay leg. in Mus. Paris).]

525. *Hydranassa tricolor* (Müll.).

Ardea tricolor P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 111 (ex Daubent. *Pl. Enl.* 350+)—typ. ex Cayenne).
Ardea Griseo-Alba Richard & Bernard, *Cat. Ois. env. de Cayenne à la Soc.* par M. le Blond, in *Actes Soc. Hist. Nat. Paris* i. 1 (1792) p. 117. no. 59 (Cayenne).

Cayenne : 2 ♂♂ juv., October 6, November 24 ; 5 ♀♀ juv., October 31, November 24, 25, 28, 29, 1902.

Roche-Marie : 1 ♂ ad., November 12, 1902.

“Iris vinaceous (lemon-yellow), feet anteriorly dusky sage green, posteriorly olive-yellow (sage green lighter below on tibia), bill above blackish, below olive-buff (above blackish, black at tip, below yellowish olive, above blackish, lighter on cutting edges, below yellowish olive-buff).”

Nos. 425, 13, 732, 865, 866, 912, 985, 959.

♂ ad. : al. 222½ ; caud. 76 ; culm. 86½ ; tars. 78 mm.

♂♂ juv. and ♀♀ juv. : al. 222—205 ; caud. 71—65½ ; culm. 85½—77½ ; tars. 76½—63½ mm.

[Cayenne (Buff., Leblond leg. in Mus. Paris), “Mahury, rives de Kaw” (Geay leg. in Mus. Paris).]

[526. *Nyctanassa violacea* (Linn.).

Ardea violacea Linné, *Syst. Nat.* ed. x. 1 (1758) p. 143 (hab. in “Am. septr.”—hab. subst. Carolina ex Catesby—aut. Hellm.).

Cayenne (Buffon, Mus. d. Pays-Bas).]

* The following species of *Ardeidae* not yet mentioned from Cayenne may be found there :

Syrigma sibilatrix (Temm.)—Angostura, Orinoco—Brazil.

† Daubenton's figure is hardly recognisable, the throat and lower neck being of a uniform slate-blackish colour, instead of rufous brown in the middle portion. Perhaps Richard and Bernard's name, *griseoalba*, must come in use.

[527. **Agamia agami** (Gml.).

Ardea Agami Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 629 (ex Buff. & Daubent. *Pl. Enl.* 859—
typ. ex Cayenne).

Cayenne (Buffon, Tweeddale collection in Mus. Brit.), (Mus. d. Pays-Bas).]

[528. **Nycticorax nycticorax naevius** (Bodd.).

[*Ardea Nycticorax* Linné, *Syst. Nat.* ed. x. 1 (1758) p. 142 (hab. in Europa austral.—hab. substit.
Hungaria, ex Marsigli).

Ardea naevia Boddaert, *Tabl. Pl. Enl.* (1783) p. 56 (ex Daubent. *Pl. Enl.* 939, typ. ex Cayenne—
av. juv.).

Cayenne (Buffon, Deplanches leg.—*fide* Bp.).]

[529. **Cancroma cochlearia** Linn.

Cancroma Cochlearia Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 233 (ex Brisson—hab. Cayenne, typ. in
Mus. Réaumur, miss. à D. Artur).

Cayenne (Brisson, Buffon, Rothery, and Harting collections, in Mus. Brit.).]

[530. **Pilherodius pileatus** (Bodd.).

Ardea pileata Boddaert, *Tabl. Pl. Enl.* (1783) p. 54 (ex Daubent. *Pl. Enl.* 907—typ. ex Cayenne).

Cayenne (Buffon).]

531. **Butorides striata** (Linn.).

Ardea striata Linné, *Syst. Nat.* ed. x. i. (1758) p. 144 (ex Rolander—typ. ex Surinam).

Cayenne: 1 ♀ juv., October 28, 1902. No. 352.

“Iris chrome-yellow, feet anteriorly chromium green, posteriorly olive-yellow,
bare skin about eye bright olive-yellow, bill above blackish, below green.”

[Cayenne (Buffon), Ouanary (Geay leg. in Mus. Paris,* *fide* Meneg. s.n.
B. virescens).]

? [532. **Ixobrychus erythromelas** (Vieill.).

Ardea erythromelas Vieillot, *Nouv. Dict.* xiv. (1817) p. 422 (ex Azara—typ. ex Paraguay).

Cayenne (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *exilis*).]

[533. **Tigrisoma lineatum** (Bodd.).

Ardea lineata Boddaert, *Tabl. Pl. Enl.* (1783) p. 52 (ex Daubent. *Pl. Enl.* 860—typ. ex Cayenne,
adult).

Cayenne (Buffon, Mus. d. Pays-Bas), Rivière Lunier (Geay leg. in Mus.
Paris).]

[534. **Zebrilus pumilus** (Bodd.).

Ardea pumila Boddaert, *Tabl. Pl. Enl.* (1783) p. 54 (ex Daubent. *Pl. Enl.* 898, “Le Crabier des
Philippines”—errore != rufous phase—hab. substit. Cayenne—aut. Hellmayr).

Cayenne (Buffon, Mus. Brit.).]

[535. **Botaurus pinnatus** (Wagl.).

Ardea pinnatus Wagler, *Isis* 1829. p. 662 (hab. “in Brasiliae prov. Babia”).

Cayenne (Rothery collection in Mus. Brit.).]

* This specimen has been examined by Mr. Hellmayr, who tells me that it is *B. striata*.

FAMILY CICONIIDAE.

[536. *Euxenura maguari* (Gml.).

Ardea Maguari Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 623 (ex Briss. et Buff.—hab. “in calid. America, praesertim Brasilia”—hab. select. Brasilia or. ex Maregr. apud Briss.).

No records from Cayenne, but generally distributed over South America.]

[537. *Jabiru mycteria* (Licht.).

Ciconia mycteria Lichtenstein, *Verz. Doubl. Zool. Mus. Berlin* (1823) p. 76 ex *Mycteria americana* Lath. nec Linn.—hab. “in Am. calid. palud.” (ex Lath.)—hab. substit. Cayenne.)]

[538. *Tantalus loculator* Linn.

Tantalus Loculator Linné, *Syst. Nat.* ed. x. 1. (1758) p. 140 (ex Catesb. tab. 81—typ. ex Carolina).

“Nous a été envoyé de la Guiane” (Buffon).]

FAMILY PARRIDAE.

539. *Parra jacana* Linn.

Parra jacana Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 259 (ex Marcgr. & Edw.—hab. “Am. austr.”—hab. substit. Surinam (ex Edwards)—excl. quot. Hernand.).

Cayenne: 1 ♂ juv., December 4, 1902. No. 1016.

“Iris smoke-grey, feet slate-grey, bill centre of mandible olive-yellow, shield and base of bill maroon-purple, tip of bill dusky yellowish fawn-colour.”

[Cayenne (Mus. d. Pays-Bas), “Savanes marécageuses de Kourou” (Geay leg. in Mus. Paris).]

FAMILY CHARADRIIDAE.*

[540. *Arenaria interpres* (Linn.).

Tringa Interpres Linné, *Syst. Nat.* ed. x. 1. (1758) p. 148 (hab. in Europa et Am. septr.—hab. substit. Suecia, ex Fauna Suec. 154—aut. Hellm.).

Cayenne (Buffon, Jelski leg.—Seebohm collection in Mus. Brit.).]

[541. *Haematopus palliatus* Temm.

Haematopus palliatus Temminck, *Man. d'Orn.* (1820) p. 532 (hab. Amérique méridionale—hab. restrict. Rio de Janeiro).

No records from Cayenne, but generally distributed over the West Indies and South America.]

[542. *Hoploxypterus cayanus* (Lath.).

Charadrius cayanus Latham, *Ind. Orn.* ii. (1790) p. 749 (ex Buff. & Daubent. *Pl. Enl.* 833—typ. ex Cayenne).

Cayenne (Buffon).]

* The following species of *Charadriidae* not yet found in Cayenne may really occur there :

1. *Oedinenus bistriatus* (Wagl.)—Brit. Guiana—Rio Branco.
2. *Ancylochilus subarquatus* (Güldenst.)—U.S. N. Am.—Patagonia.
3. *Phalaropus fulicarius* (Linn.)—N. Am.—Chile, Argentina.
4. *Steganopus tricolor* (Vieill.)—N. Am.—Argentina.

[543. **Belonopterus cayennensis** (Gml.).

Parra cayennensis Gmelin *Syst. Nat.* ed. xiii. i. 1 (1788) p. 706 (ex Buff. & Daubent. *Pl. Enl.* 836—*typ. ex Cayenne*).

Cayenne (Buffon, Deplanches leg.—*fide* Bp.)]

544. **Squatarola squatarola** (Linn.).

Tringa squatarola Linné, *Syst. Nat.* ed. x. 1 (1758) p. 149 (ex Fn. Suec. 155, Rai, Alb. t. 76—hab. in Europa—hab. substit. Suecia ex Faun. Suec.).

Cayenne : 1 ♀ juv., November 2, 1902. No. 474.

“ Iris seal, feet slate, bill black.”

Al. 188 ; caud. 70 ; culm. $30\frac{3}{4}$; tars. $44\frac{1}{2}$ mm.

[545. **Charadrius dominicus** Müll.

Charadrius dominicus P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 116 (ex Briss.—hab. S. Domingue, *typ. in Mus. Réaumur, env. par M. Chervain*).

No records from Cayenne, but generally distributed during migration time over all parts of South America, also occurring in Surinam and Brit. Guiana.]

[546. **Ochthodromus wilsonia** (Ord).

Charadrius wilsonia Ord, in Wilson's *Am. Orn.* ix. (1814) p. 77. Pl. lxxiii. fig. 5 (*typ. ex Cape Island, New Jersey*).

River Oyapoc, Cayenne (Jelski leg.) in Mus. Brit. ex collection Salvin & Godman.]

547. **Aegialitis semipalmatus** (Bp.).

Charadrius semipalmatus Bonaparte, *Observ. Wilson* 1825, no. 219.

Cayenne : 2 ♀ ♀, October 19, 31, 1902.

Nos. 209, 401.

“ Bill black, clay-colour at base of mandible, feet clay-colour, dusky at points.”

Al. $122-119\frac{1}{2}$; caud. $57\frac{1}{2}-53\frac{1}{2}$; culm. $12\frac{3}{4}-12\frac{1}{2}$; tars. $23\frac{3}{4}$ mm.

[Cayenne (Deplanches leg.—*fide* Bp.), Seebohm (collection in Mus. Brit. : juv.)]

[548. **Aegialitis collaris** (Vieill.).

Charadrius collaris Vieillot, *Nouv. Dict.* xxvii. (1817) p. 136 (ex Azara—*typ. ex Paraguay*).

No records from Cayenne, but distributed over the whole of South America, also in Brit. Guiana and Lower Amazonia.]

[549. **Himantopus mexicanus** (Müll.).

Charadrius mexicanus P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 117 (ex Briss.—ex Hernand.—hab. Mexico).

No records from Cayenne, but occurring in Brit. Guiana and Lower Amazonia.]

550. **Numenius hudsonicus** Lath.

Numenius hudsonicus Latham, *Ind. Orn.* ii. (1790) p. 712 (hab. in sinu Hudsonis).

Cayenne : 1 ♀ ad., November 21, 1902. No. 847.

“ Feet ashy grey, bill blackish, basal third of mandible pale flesh.”

Al. 248 ; caud. 98 ; culm. $94\frac{1}{2}$; tars. 59 mm.

[551. **Numenius borealis** (Forst.).

Scolopax borealis Forster, *Phil. Trans.* lxii. (1772) pp. 411, 431.

No records from Cayenne, but occurring during migration in the West Indies and in Brazil.]

[552. **Limosa hudsonica** (Lath.).

Scolopax hudsonica Latham, *Ind. Orn.* ii. (1790) p. 720 (typ. ex Hudson's Bay, received from Mr. Hutchins).

No records from Cayenne, but occurring during migration time in Venezuela and Brazil.]

[553. **Macrorhamphus griseus** (Gml.).

Scolopax grisea Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 658 (ex Lath. in Noveboraci maritimis.—typ. in Mus. Lever.).

No records from Cayenne, but occurring during migration time in the West Indies and at Pará.]

[554. **Micropalama himantopus** (Bp.).

Tringa himantopus Bonaparte, *Ann. Lyc. N. H. New York* ii. (1826) p. 157 (typ. ex Long Branch, New Jersey).

No records from Cayenne, but occurring during migration time in the West Indies and in Amazonia.]

[555. **Catoptrophorus semipalmatus** (Gml.).

Scolopax semipalmata Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 659 (ex Lath. hab. New York).

No records from Cayenne, but occurring during migration time in Brit. Guiana and on the Guapore, Brazil.]

556. **Totanus melanoleucus** (Gml.).

Scolopax melanoleuca Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 659 (ex Lath.—hab. in Châteaux Bay, Labrador).

Cayenne: 1 ♂, and one specimen without indication of sex, October 19, 1902.
Nos. 205, 206.

“Feet chrome-yellow, bill blackish (blackish dusky at base).”

Al. 192—178½; caud. 80—68½; culm. 56½—56; tars. 65½—60 mm.

557. **Totanus flavipes** (Gml.).

Scolopax flavipes Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 659 (ex Lath.—hab. “in the province of New York in autumn”).

Cayenne: 1 ♂, October 19, and 4 ♀♀ juv., October 19, November 21 (three), 1902.

“Feet dusky chrome, bill blackish.”

Nos. 207, 208, 848, 849, 850.

♂: al. 157½; caud. 58½; culm. 38¾; tars. 51½ mm.

♀♀: 160½—151; caud. 70—59; culm. 39¾—35¾; tars. 53½—49½ mm.

558. *Helodromas solitarius* (Wils.).

Tringa solitaria Wilson, *Am. Orn.* vii. (1813) p. 53. Pl. 58. f. 3 (typ. ex "Hudson's Bay").

Cayenne: 1 ♂ jr., October 20; 1 ♀ jr., October 18, 1902. Nos. 178, 214.

♂ : al. $131\frac{1}{2}$; caud. 56; culm. $29\frac{3}{4}$; tars. $29\frac{1}{2}$ mm.

♀ : al. $131\frac{1}{2}$; caud. $56\frac{1}{2}$; culm. $29\frac{3}{4}$; tars. $29\frac{1}{2}$ mm.

[Cayenne (Deplanches leg.—*vide* Bp., Jelski leg. in Mus. Brit. ex collection Seebohm).]

559. *Tringoides macularia* (Linn.).

Tringa macularia Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 249 (ex Edw.—hab. Europa—errore!—et "Am. septr.," sc. Pensilvania—*vide* Edw.).

Cayenne: 1 ♂ juv., November 2, and 2 ♀ juv. October 18, November 1, 1902.

Roche-Marie, Cayenne: 1 ♂ juv., November 5, 1902.

"Iris seal, feet pale flesh, bill dusky, black at tip."

Nos. 179, 436, 456, 550.

♂ juv. : al. $102\frac{1}{2}$ —101; caud. 47—46; culm. $23\frac{3}{4}$ — $21\frac{1}{2}$; tars. $22\frac{3}{4}$ — $21\frac{3}{4}$ mm.

♀ juv. : al. $106\frac{1}{2}$ — $101\frac{1}{2}$; caud. $46\frac{3}{4}$ — $44\frac{1}{2}$; culm. $22\frac{1}{2}$; tars. $22\frac{3}{4}$ — $22\frac{1}{2}$ mm.

[Cayenne (Rothery collection in Mus. Brit.).]

[560. *Pavoncella pugnax* (Linn.).

Tringa Pugnax Linné, *Syst. Nat.* ed. x. 1. (1758) p. 148 (ex Fn. suec. 145, Aldr., Mars., Alb. t. 72, 73. habitat in Europa minus boreali—hab. subst. Suecia ex Faun. Suec.).

No records from Cayenne, but mentioned from Surinam.]

561. *Bartramia longicauda* (Bechst.).

Tringa longicauda Bechstein, *Kurze Uebers. Latham* iv. (1811) p. 453. Pl. 184 ("hab. Nordamerika").

Cayenne: 1 ♂ ad., October 27, 1902. No. 345.

"Feet olive-yellow, bill black at tip, upper part of culmen buff."

Al. $157\frac{1}{2}$; caud. $75\frac{1}{2}$; culm. $28\frac{1}{2}$; tars. $46\frac{1}{2}$ mm.

562. *Ereunetes pusillus* (Linn.).

Tringa pusilla Linné, *Syst. Nat.* ed. xii. i. 1 (1766) p. 252 (ex Brisson—typ. ex S. Domingo in Mus. Réaumur, "env. par M. Chervain").

Cayenne: 2 ♀ ♀, October 19, 1902. Nos. 210, 211.

"Iris slate, feet slate, bill black."

Al. 98— $96\frac{1}{2}$; caud. 40— $39\frac{1}{2}$; culm. $20\frac{1}{2}$ — $18\frac{1}{2}$; tars. 22— $21\frac{1}{2}$ mm.

[Cayenne (Jelski leg. in Mus. Brit. ex Seebohm collection).]

[563. *Tringites subruficollis* (Vieill.).

Tringa subruficollis Vieillot, *Nouv. Dict.* xxxiv. (1819) p. 465 (ex Azara, typ. ex Paraguay).

No records from Cayenne, but occurring during the time of migration in Amazonia and other parts of Brazil.]

[564. *Calidris alba* (Pall.).

Trynga alba Pallas in Vroeg, *Cat. rais. d'Oiseaux Adumbrat.* (1764) no. 320 ("valt aan de Noordsche Zeekusten"—hab. subst. Norwegia).

Tringa Arenaria Linné, 1766.

No records from Cayenne, but occurring during the time of migration in different parts of Brazil.]

[565. *Pisobia minutilla* (Vieill.).

Tringa minutilla Vieillot, *Nouv. Dict.* xxxiv. (1819) p. 465 (hab. "à Halifax et dans la Nouvelle Écosse").

Cayenne (Mus. Brit. ex Seebohm collection.)]

[566. *Pisobia maculata* (Vieill.).

Tringa maculata Vieillot, *Nouv. Dict.* xxxiv. (1819) p. 465 ("se trouve aux îles Antilles et dans les parties méridionales des États-Unis,"—hab. substit. S. Domingo (ex Brisson).

No records from Cayenne, but occurring during the time of migration near Cumana, Venezuela, and in different parts of Brazil.]

567. *Pisobia fuscicollis* (Vieill.).

Tringa fuscicollis Vieillot, *Nouv. Dict.* xxxiv. (1819) p. 461 (ex Azara—typ. ex Paraguay).

Cayenne : 1 ♀, October 19, 1902. No. 212.

"Bill blackish."

Al. 117 ; caud. 49 ; culm. 21 $\frac{3}{4}$; tars. 23 $\frac{1}{4}$ mm.

[568. *Tringa canutus* Linn.

Tringa Canutus Linné, *Syst. Nat.* ed. x. 1. (1758) p. 149 (ex Faun. suec. 150 and ex Rai.—hab. in Europa—habit. restrict. Suecia ex Fauna Suec.).

No records from Cayenne, but found in the West Indies and in Brazil during migration, also obtained in Surinam (Mus. d. Pays-Bas).]

[569. *Gallinago delicata* (Ord).

Scolopax delicata Ord, ed. Wilson's *Amer. Orn.* ix. (1825) p. 218.

No records from Cayenne, but mentioned from Surinam and Brazil.]

[570. *Gallinago braziliensis* (Swains.).

Scolopax Braziliensis Swainson, *Faun. Bor.-Amer.—Birds* (1831) p. 400 note (hab. Brazil).
S. frenata aut. nec Lichtenstein.

Cayenne (Mus. Brit. ex Seebohm collection.)]

[571. *Gallinago undulata* (Bodd.).

Scolopax undulata Boddart, *Tabl. Pl. Enl.* (1783) p. 54 (ex Daubent. *Pl. Enl.* 895—typ. ex Cayenne).

Cayenne (Buffon, Mus. d. Pays-Bas, Mus. Berol.)]

FAMILY *LARIDAE*.*[572. *Hydrochelidon surinamensis* (Gml.).

Sterna surinamensis Gmelin, † *Syst. Nat.* ed. xiii. i. 1 (1788) p. 604 (ex Fermin—hab. Surinam).

Not yet recorded from Cayenne, but observed on the coast of Surinam.]

* The following species of *Laridae* may still occur on the coast of Cayenne :

1. *Hydrochelidon leucoptera* (Meisner & Schinz)—once in Barbadoes.
2. *Hydrochelidon hybrida* (Pall.)—once in Barbadoes.
3. *Sterna forsteri* Nutt.—obtained 200—300 miles from Pernambuco.
4. *Sterna macrura* Naum.—Coasts of Brazil.
(= *St. paradisaea* Brünn.).
5. *Sterna dougalli* Mont.—West Indies and coast of Venezuela.
6. *Sterna cantiaca* Gml.—Rio Grande do Sul.
(= *St. sandvicensis* Lath.).
7. *Sterna trudeaui* Audub.—S. Brazil and U. S. North America ?
8. *Micranous leucocapillus* (Gould)—West Indies—Fernando Noronha, Brazil.
9. *Gygis candida* (Gml.)—Fernando Noronha, Brazil.

† Gmelin's *H. surinamensis* ex Fermin seems to me rather doubtful. Perhaps the name *St. plumbea* Wilson (1813) must come in use.

[573. **Phaethusa magnirostris** (Licht.).

Sterna magnirostris Lichtenstein, *Verz. Doubl. Mus. Berlin* (1823) p. 81 (typ. ex Brasil. in Mus. Berol.—a dom. Saunders examinatus).

? Cayenne (Latham—s.n. *Sterna simplex*.)]

[574. **Gelochelidon anglica** (Mont.).

Sterna anglica Montagu, *Orn. Dict. Suppl.* fig. (1813) (typ. in Mus. Brit. ex Sussex, coll. Montagu).

? *Sterna nilotica* Gmelin, 1788.

No records from Cayenne, but occurring on the coasts of British Guiana and Brazil (Bahia).]

[575. **Sterna fluviatilis** Naum.

Sterna fluviatilis Naumaun, *Isis* 1819. pp. 1847, 1848 (loc. non iudic.—hab. substit. ins. Sylt, Holstein).

Cayenne (H. C. Rothery collection in Mus. Brit.—juv.)]

[576. **Sterna maxima** Bodd.

Sterna maxima Boddart, *Tabl. Pl. Enl.* (1784) p. 58 (ex Daubent. *Pl. Enl.* 988—typ. ex Cayenne).

Cayenne (Buffon) [Surinam (Mus. Brit.)].]

[577. **Sterna eurygnatha** Saunders.

Sterna eurygnatha Saunders, *Proc. Zool. Soc.* 1876. p. 654 (typ. ex Sta. Catherina, Rogers leg.—in Mus. Brit.).

No records from Cayenne, but obtained on the coasts of Venezuela and Brazil.]

[578. **Sterna anaestheta** Scop.

Sterna anaestheta Scopoli, *Deliciae Faun. et Flor. Insubr.* i. (1786) p. 92 (ex Sonnerat—typ. ex ins. Panay, Philippines).

No records from Cayenne, but generally distributed over the intertropical seas, obtained on the Lesser Antilles.]

[579. **Sterna fuliginosa** Gml.

Sterna fuliginosa Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 605 (ex Buff., Forst., Cook, Penn., Lath.—“hab. in mari atlantico, americano, indico, australi”—habit. select. New York, typ. in Mus. Lever.—*fide* Lath.).

Cayenne (Latham) [Mouth of the Amazon—Mus. Brit.]].]

? [580. **Sterna antillarum** (Less.).

Sternula antillarum Lesson, *Descr. Mamm. et Ois.* (1847) p. 256 (typ. ex ins. Guadeloupe).

No records from Cayenne, but generally distributed over the West Indies and Trinidad.]

[581. **Sterna superciliaris** Vieill.

Sterna superciliaris Vieillot, *Nouv. Dict.* xxxii. (1819) p. 129 (ex Azara—typ. ex Paraguay).

No records from Cayenne, but obtained on the coasts of Surinam and British Guiana (Mus. Brit.)].]

[582. *Anous stolidus* (Linn.).

Sterna stolidus Linné, *Syst. Nat.* ed. x. 1 (1758) p. 137 (ex Sloane and Catesby—"hab. in Americæ Pelago"—habit. restrict. Bahamas (ex Catesby).

No records from Cayenne, but obtained in the West Indies and on the coasts of Brazil.]

[583. *Rhynchops nigra cinerascens* Spix.

[*Rhynchops nigra* Linné, *Syst. Nat.* ed. x. 1 (1758) p. 138 (hab. in America—habit. substit. Carolina ex Catesby).]

Rhynchops cinerascens Spix, *Av. Bras.* ii. (1825) p. 80. tab. cii. (hab. in locis ripariis flum. Amazonum).

No records from Cayenne, but obtained on the coasts of Surinam and Brit. Guiana and at the mouth of the Amazon.]

[584. *Larus atricilla* Linn.

Larus Atricilla Linné, *Syst. Nat.* ed. x. 1 (1758) p. 136 (ex Catesby, hab. "in America"—hab. substit. ins. Bahamas ex Catesb.).

No Cayenne records, but obtained on the coasts of Surinam, Brit. Guiana, and North Brazil.]

FAMILY *STERCORARIIDAE*.*

? [585. *Stercorarius cephus* (Brünn.).

Catharacta cephus Brünnich, *Orn. Bor.* (1764) p. 36 (occisa in Cimbria ad littus maris germanici, prope praedium Lönborregaard).

Larus crepidatus Banks, 1773.

No Cayenne records. Atlantic Ocean—Rio de Janeiro.]

FAMILY *PROCELLARIIDAE*.†

FAMILY *PUFFINIDAE*.‡

? [586. *Puffinus gravis* (O'Reill.).

Procellaria gravis O'Reilly, *Voy. to Greenland*, etc. (1818) p. 140. pl. 12. fig. 1.

No Cayenne records. Faroes and North America to Cape of Good Hope and Falklands.]

[587. *Puffinus puffinus* (Brünn.).

Procellaria Puffinus Brünnich, *Orn. Bor.* (1764) p. 29 (Feroa & Norvegia—habit. select. ins. Faroes).

Procellaria anglorum Temminck, 1820 (ex Ray, 1713).

No Cayenne records, but Azores to the coast of Brazil.]

* *Stercorarius pomarinus* (Temm.), inhabiting the Atlantic Ocean to Damaraland, may also possibly occur on the coast of Cayenne.

† The following species of *Procellariidae* may perhaps occur on the coast of Cayenne:

1. *Oceanodroma castro* (Harc.)—Atlantic Ocean, Madeira.
2. *Oceanites oceanicus* (Kuhl)—Atlantic Ocean.
3. *Pelagodroma marina* (Lath.)—Atlantic Ocean—Canary Islands.
4. *Cymodroma gallaria* (Vieill.)—Southern Ocean to Florida.

‡ Of the family *Puffinidae*, *Puffinis assimilis* (Gould), which breeds in the Canaries, may possibly occur on the coast of Cayenne.

[588. **Puffinus obscurus** (Gml.).

Procellaria obscura Gmelin, *Syst. Nat.* e.l. xiii. i. 1 (1788) p. 559 (ex Lath.—typ. “ex Christmas Island, olim(?)” in Mus. Brit.).

No Cayenne records—Atlantic Ocean and West Indies.]

? [589. **Puffinus griseus** (Gml.).

Procellaria grisa Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 564 (ex Cook & Lath., “habit. in hemisphaerio australi, inter 35° et 50°”).

No Cayenne records, but generally distributed throughout the seas of both hemispheres.]

? [590. **Aestrelata haesitata** (Kuhl).

Procellaria haesitata Kuhl, *Beitr.* (1820) p. 142.

No Cayenne records, but found in the West Indies.]

? [591. **Aestrelata mollis** (Gould).

Procellaria mollis Gould, *Ann. and Mag. N. H.* xiii. (1844) p. 363.

No Cayenne records—Atlantic Ocean, Madeira.]

? [592. **Bulweria bulweri** (Jard. & Selby).

Procellaria bulweri Jardine & Selby, *Illustr. Orn.* ii. p. 65 (typ. ex ins. Madeira).

[No Cayenne records—Atlantic Ocean—Madeira.]

? [593. **Prion ariel** Gould.

Prion ariel Gould, *Handb. Birds Austral.* ii. (1865) p. 473.

No Cayenne records—Atlantic Ocean, Madeira.]

? [594. **Diomedea melanophrys** Boie.

Diomedea melanophrys Boie in Temminck, *Planches coloriées* (1828) pl. 456 (typ. ex Cap. B. Spei in Mus. d. Pays-Bas).

No Cayenne records—Atlantic Ocean.]

FAMILY *PHALACROCORACIDAE*.

[595. **Phalacrocorax vigua** (Vieill.).

Hydrocorax vigua Vieillot, *Nouv. Dict.* viii. (1817) p. 90 (ex Azara—typ. ex Paraguay).

Phalacrocorax brasiliensis aut. nec *Procellaria brasiliensis* Gml. ?

Cayenne (Buffon, Rothery collection in Mus. Brit.).]

[596. **Plotus anhinga** Linn.

Plotus anhinga Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 218 (Marcgr. et Briss., hab. “in America australi”—habit. subst. Brasil, or. ex Marcgr.).

Cayenne (Brisson, Buffon, Rothery collection in Mus. Brit.).]

FAMILY *SULIDAE*.

[597. *Sula cyanops* (Sandev.).

Dysporus cyanops Sundevall, *Physiogr. Sällskapetets Tidsk.* i. (1837) p. 218. Pl. v.

Cayenne (Jelski leg. in Mus. H. v. B.)]

[598. *Sula piscator* Linn.

Pelecanus Piscator Linné, *Syst. Nat.* ed. x. 1 (1758) p. 134 (ex Lagerstr., Osb., Brown, Catesby, Sloane—hab. "in India utraque, Europa"—habit. select. China ex Lagerstr. (partim?)—excl. quot. Osbeck part., Catesby, etc.).

No records from Cayenne, but probably occurring on the Guiana coast.]

[599. *Sula leucogaster* (Bodd.).

Pelecanus leucogaster Boddaert, *Tabl. Pl. Enl.* (1783) p. 57 (ex Daubent., *Pl. Enl.* 973—typ. ex Cayenne).

Cayenne (Buffon).]

FAMILY *FREGATIDAE*.

[600. *Fregata aquila* (Linn.).

Pelecanus Aquilus Linné, *Syst. Nat.* ed. x. 1 (1758) p. 133 (ex Osb., Brown, Sloane—hab. in insula Adscensionis—ex Osb.).

Cayenne (Buffon).]

FAMILY *PHAETHONTIDAE*.

[601. *Phaethon aethereus* Linn.

Phaëthon aethereus Linné, *Syst. Nat.* ed. x. 1 (1758) p. 134 (ex Catesb. t. 14, Edw. t. 149, Sloane, Osb.—hab. in Pelago inter tropicos.

Cayenne (Buffon).]

FAMILY *PALAMEDEIDAE*.

[602. *Palamedea cornuta* Linn.

Palamedea cornuta Linné, *Syst. Nat.* e l. xii. 1 (1766) p. 232 (ex Marcgr. & Briss. habitat in Brasilia, Guiania—hab. select. Brasilia or. ex Marcgr.).

Cayenne (Brisson in Mus. Réaumur envoyé de Cayenne par M. Artur, Buffon, Mus. d. Pays-Bas).]

? [603. *Chauna cristata* Swains.

Palamede cristata Swainson, *Class. Birds* ii. (1837) p. 251 (ex *Planches col.* 219).

"[Cayenne]"—Mus. Brit.]

FAMILY *PHOENICOPTERIDAE*.

[604. *Phoenicopterus ruber* (Linn.).

Phoenicopterus ruber Linné, *Syst. Nat.* ed. x. 1 (1758) p. 139 part. (ex Sloane & Catesb. "hab. in Africa, America, rarius in Europa"—hab. select. Bahama ins. ex Catesby—excl. syn. Bell, Gesn., Aldr. Will., etc.).

No records from Cayenne, but occurring in the West Indies and at Pará.]

FAMILY ANATIDAE.*

[605. *Cairina moschata* (Linn.).

Anas moschata Linné, *Syst. Nat.* ed. x. 1 (1758) p. 124 (ex *Albin* iii. tab. 97, 98, etc.—hab. “in India” —hab. substit. Brasilia or.).

No Cayenne records, but known from Surinam (Mus. d. Pays-Bas) and Brazil.]

[606. *Sarcidiornis sylvicola* H. & R. Ihering.

Sarcidiornis sylvicola H. & R. v. Ihering, *As Aves do Brazil* (1907) p. 72, no. 227 (ex Lichtenst., *A. carunculata*).

Anas carunculata Lichtenstein *Abh. Akad. Berlin* 1816-17 (publ. 1819) p. 176 (ex Azara—typ. ex Paraguay) nec *Anas carunculatus* Vieillot, 1816!

Cayenne (Eyton).]

[607. *Dendrocygna viduata* (Linn.).

Anas viduata Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 205 (ex Jacquin—hab. “in Carthagenae lacubus”)

Cayenne (Mus. d. Pays-Bas).]

[608. *Dendrocygna discolor* ScL. & Salv.

Dendrocygna discolor ScLATER et SALVIN, *Nomencl. Av. Neotr.* (1873) pp. 129, 161 (hab. “Venezuela, Guiana et Brasilia”—typ. in Mus. Brit. ex Surinam).

Cayenne (Buffon, Vieillot, Mus. d. Pays-Bas, Jelski leg. in Mus. H. v. B.).]

[609. *Nettion brasiliense* (Gml.).

Anas brasiliensis Gmelin, *Syst. Nat.* ed. xiii. I. 1 (1788) p. 517 (hab. in “Brasilia”—typ. ex Marcgrave —hab. restrict. Bahia, Brazil).

No Cayenne records, but is found in Brit. Guiana (Whiteley), and in Brazil.]

610. *Poecilonetta bahamensis* (Linn.).

Anas bahamensis Linné, *Syst. Nat.* ed. x. i. (1758) p. 124 (ex Catesby tab. 93—typ. ex ins. Bahamas).

Cayenne, Market: 1 ♂ ad. No. 351.

“Iris dusky chestnut, feet olive, dusky at joints, bill dusky slate, light spot at base, cadmium yellow.”

Al. 187 (moulting); caud. 114; culm. 45½; tars. 38½ mm.

[611. *Querquedula cyanoptera* (Vieill.).

Anas cyanoptera Vieillot, *Nouv. Dict.* v. (1816) p. 104 (“se trouve sur la rivière de La Plata et à Buenos Aires”).

Cayenne (Buffon, Lesson, Deplanches leg.—*fide* Bp.).]

[612. *Querquedula discors* (Linn.).

Anas discors Linné, *Syst. Nat.* ed. xii. (1766) p. 205 (ex Brown, Jam. & Catesb. car.—hab. in America septentr.—hab. subst. Carolina ex Catesby).

Cayenne (Buffon).]

[613. *Nomonyx dominicus* (Linn.).

Anas dominica Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 201 (ex Brisson—hab. “Am. mérid.”—habit subst. Dominica ex Briss., “typ. in Cabinet de l’Abbé Aubry”).

Cayenne (Buffon, Mus. Brit.).]

* The following species of *Anatidae* not yet recorded from Cayenne may possibly occur there:

1. *Dendrocygna bicolor* (Vieill.)—U.S. N. Am., Venezuela, S. Brazil,
2. *Alopochen jubata* (Spix)—Brit. Guiana, Amazonia.

FAMILY *PODICIPETIDAE*.*614. *Podiceps dominicus brachyrhynchus* (Chapm.).

[*Colymbus dominicus* Linné, *Syst. Nat.* ed. xii. 1 (1766) p. 223 (ex Brisson—hab. in Dominica, typ. in Mus. Réaumur ex Chervain).]

Colymbus dominicus brachyrhynchus Chapman, *Bull. Am. Mus. N.H.* xii. (1899) p. 255 (1900—typ. ex Chapada, Mattogrosso in Am. Mus. N.H. New York).

Roche-Marie, Cayenne: 1 ♀ (juv.), November 7, 1902. No. 594.

“Iris chrome-yellow, bill above dusky drab, below pale, feet outside dusky slate, inside plumbeous pea-green.”

Juv.: al. 92; culm. 18½; tars. 31 mm.

[Cayenne (Deplanches leg.—*vide* Bp.).]

? [615. *Aechmophorus major* (Bodd.).

Colymbus major Boddaert, *Tabl. Pl. Enl.* (1783) p. 24 (ex Daubent. *Pl. Enl.* 46. f. 1—typ. ex Cayenne!).

Cayenne (Buffon) [Rio Negro, Brazil in Mus. Brit. ex Salvin & Godman collection].

The occurrence of this species so far north as asserted by Buffon is not confirmed by more recent authorities.

ADDITIONS AND CORRECTIONS.

When writing the first part of this article I unfortunately overlooked M. A. Menegaux's article on the “Birds of Cayenne collected by M. Geay,” which appeared in the *Bulletin du Muséum d'histoire naturelle*, vol. x. 1904, pp. 107–19, 174–86, but has not been noticed in the *Ibis*, nor in any other ornithological journal as far as I know. My friend Hellmayr having kindly supplied me with a copy of M. Menegaux's article, I find there are some species mentioned as being collected by M. Geay which are new to my list. Owing to the kindness of my friend, I am now in a position to supplement my list as follows:

[616. *Vireosylvia chivi* (Vieill.).

Sylvia chivi Vieillot, *Nouv. Dict.* xi. (1817) p. 174 (ex Azara—typ. ex Azara).

Saint-Georges d'Oyapock (Geay leg. in Mus. Paris).]

[617. *Myiodynastes solitarius* (Vieill.).

Tyrannus solitarius Vieillot, *Nouv. Dict.* xxxv. (1819) p. 88 (ex Azara—typ. ex Paraguay).

Iracouba (Geay leg. in Mus. Paris).]†

[618. *Myiarchus tuberculifer tricolor* Pelz.

[*Tyrannus tuberculifer* Lafresnaye et D'Orbigny, *Synops. av. in Mag. Zool.* 1837. p. 43 (typ. ex Guarayos, Bolivia).]

Myiarchus tricolor Pelzeln (ex Natterer MS.), *Orn. Bras.* ii. (1870) pp. 117, 182 (typ. ex Rio de Janeiro in Mus. Vindob.).

Ouanary (Geay leg. in Mus. Paris—*vide* Menegaux, s.n. *M. nigriceps*).]

* *Podilymbus podiceps* (Linn.), known from the West Indies and from Brazil (Pará), is likely to be found at Cayenne, though not yet recorded from there.

† M. Menegaux's determination has been verified by Mr. Hellmayr.

[619. **Todirostrum pictum** Salv.

Todirostrum pictum Salvin, *Ibis*, 1898. p. 153 (typ. ex Aunai, Brit. Guiana—H. Whitely leg. in Mus. Brit.).

Saint-Jean du Maroni (Geay leg., Mus. Paris and Mus. Monac.—*fide* Hellmayr).]

[620. **Lipaugus simplex** (Licht.).

Muscicapa simplex Lichtenstein, *Verz. Doubl. Mus. Berlin* (1823) p. 53 (typ. ex Bahia in Mus. Berol.).

“Camopi et Montagnes du Haut Carsevenne” (Geay leg. in Mus. Paris).]*

[621. **Automolus turdinus** (Pelz.).

Anabates turdinus Pelzela, *Sitzungsber. Akad. Wien* (1859) p. 110 (ex Brasilia, typ. subst. Borba Rio Madeira, coll. J. Natterer in Mus. Vindob.).

Kourou (Geay leg. in Mus. Paris).]

The following species were inadvertently omitted from my list, viz. :

? [622. **Dendroica fusca** (Müll.).

Motacilla fusca P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 175 (ex Daubent. *Pl. Enl.* 58. fig. 3—typ. ex “Cayenne”).

Motacilla blackburniae Gmelin, 1788.

“Cayenne” (Buffon).]

There can be no doubt, I think, that “Le Figuier étranger” of Daubenton, *Pl. Enl.* 58. f. 3, is the same as *Dendroica blackburniae* (Gml.), but the locality Cayenne as given by Buffon has not been confirmed by subsequent authors.]

[623. **Pachysylvia thoracica griseiventris** (Berl. & Hart.).

[*Hylophilus thoracicus* Temminck, *Pl. col.* 173, fig. 1 (Dec. 1829). “Brésil,” coll. Natterer.]

Hylophilus thoracicus griseiventris Berlepsch & Hartert, *Nov. Zool.* ix. (April 1902) p. 11 (typ. in Mus. Tring ex Suapure, Orinoco).

Cayenne (trade skin in Mus. Brit.—*fide* Hellm.).]

[624. **Pachysylvia muscipina** (Scl. & Salv.).

Hylophilus muscipinus Selater et Salvin, *Nomencl. Ar. Neotr.* (1873) p. 156 (typ. ex S. Louis d'Oyapock, Cayenne, in Mus. Brit.).

Cayenne (Selater collection in Mus. Brit.), also a Cayenne skin in Mus. Strickland in Cambridge (*fide* Salvin).]

[625. **Brachospiza capensis** (Müll.).

Fringilla capensis P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 165 (ex Daubent. *Pl. Enl.* 386. f. 2., hab. Cap. B. Sp.—errore : hab. subst. Cayenne (ex Buffon).

Emberiza pileata Boddaert, 1783.

Cayenne (Buffon).]

[626. **Piprites chlorion** (Cab.).

Hemipipo chlorion Cabanis Wieg. *Archiv. f. Naturg.* xiii. 1 (1847), p. 234 (typ. in Mus. Berol. ex Cayenne).

Cayenne (Mus. Berol).]

* M. Menegaux's determination has been verified by Mr. Hellmayr.

?[627. *Xiphorhynchus dorsoimmaculatus* Chapm.

Xiphorhynchus dorsoimmaculatus Chapman, *Bull. Amer. Mus. N. H. New York* ii. (1889) p. 159
(hab. "Cayenne"? typ. in Mus. Boston Soc. N. H.).

?Cayenne (Lafresnaye collection in Mus. Boston).]

The Geay collection is also important from a geographical point of view, most of the specimens being labelled as coming from certain localities, whence many of them have not yet been mentioned before. I therefore think it well to give a supplementary list of the localities as illustrated by this collection:

Turdus fumigatus.

St. Georges d'Oyapock (Geay leg. in Mus. Paris).

Turdus phaeopygus.

Ouanary (Geay leg. in Mus. Paris).

Donacobius atricapillus.

St. Georges d'Oyapock (Geay leg. in Mus. Paris).

Thryothorus coraya.

St. Georges d'Oyapock et Mahury (Geay leg. in Mus. Paris).

Troglodytes musculus clarus.

St. Georges d'Oyapock et Mahury (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *striatulus*).

Cyclorhis gujanensis.

Oyapock (Geay leg. in Mus. Paris).

Tachycineta albiventer.

Sinnamary (Geay leg. in Mus. Paris).

Progne chalybea.

Mahury (Geay leg. in Mus. Paris).

Progne tapera.

Oyapock (Geay leg. in Mus. Paris).

Cyanerpes coeruleus.

Kourou, Sinnamary et Mahury (Geay leg. in Mus. Paris).

Coereba chloropyga.

Camopi et Ilet la Mère (Geay leg. in Mus. Paris).

Euphonia violacea.

Kourou et Saint Jean du Maroni (Geay leg. in Mus. Paris).

Tanagra episcopus.

Mahury et Ilet la Mère (Geay leg. in Mus. Paris).

Tanagra palmarum melanoptera.

St. Georges d'Oyapock, Ouanary et Mahury (Geay leg. in Mus. Paris).

Ramphocelus carbo.

St. Georges d'Oyapock, Sinnamary et Macouria (s.n. "*R. dimidiatus*") (Geay leg. in Mus. Paris).

Tachyphonus surinamus.

Rivière Lunier et Camopi (Geay leg. in Mus. Paris).

Arremon silens.

St. Georges d'Oyapock (Geay leg. in Mus. Paris).

Saltator maximus.

Rivière Lunier (Geay leg. in Mus. Paris).

Pitylus grossus.

Maroni (Geay leg. in Mus. Paris).

Sporophila minuta.

Bas Mahury, bords et savanes du Sinnamary (Geay leg. in Mus. Paris)

Sporophila americana.

St. Georges d'Oyapock (Geay leg. in Mus. Paris).

Volatinia jacarina splendens.

Guyane française (Geay leg. in Mus. Paris).

Xanthornus viridis.

St. Georges d'Oyapock et Camopi (Geay leg. in Mus. Paris).

Cacicus cela.

St. Georges d'Oyapock, Ouanary et Sinnamary (Geay leg. in Mus. Paris).

Leistes militaris.

Bas Mahury (Geay leg. in Mus. Paris).

Fluvicola pica.

Pointe de Macouria (Geay leg. in Mus. Paris).

Tyrannus melancholicus.

Ouanary, Mahury, Sinnamary (Geay leg. in Mus. Paris).

Pitangus sulphuratus.

Ouanary et Mana (Geay leg. in Mus. Paris).

Myiozetetes cayanensis.

Mahury (Geay leg. in Mus. Paris).

Myiarchus ferox.

St. Georges d'Oyapock, Mahury, Ilet de la Mère (Geay leg. in Mus. Paris).

Myiobius barbatus.

St. Georges d'Oyapock and St. Jean du Maroni (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *sulphureipygius*).

Rhynchocyclus poliocephalus sclateri.

Cayenne (Geay leg. in Mus. Paris).

Todirostrum cinereum.

Mahury (Geay leg. in Mus. Paris).

Todirostrum maculatum.

St. Georges d'Oyapock (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *signatum*).

Colopterus galeatus.

Saint Jean du Maroni (Geay leg. in Mus. Paris).

Elaenia flavogaster.

St. Georges d'Oyapock (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *pagana*).

Phaeomyias murina incomta.

Mahury (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *M semifusca*).

Tyranniscus gracilipes.

Mahury (Geay leg. in Mus. Paris).

Tyrannulus elatus.

Mahury (Geay leg. in Mus. Paris).

Mionectes oleagineus.

Mahury (Geay leg. in Mus. Paris).

Pipra aureola.

Saint-Georges, Ouanary et Mahury (Geay leg. in Mus. Paris).

Pipra erythrocephala.

Mahury (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *auricapilla*).

Pipra leucocilla.

Camopi, Mahury, monts d'Oyack (Geay leg. in Mus. Paris).

Chiromachaeris manacus.

St. Georges d'Oyapock et Maroni (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *manacus et gutturosa*).

Tityra semifasciata.

Rivière Carsevenne (Geay leg. in Mus. Paris).

Lathria cinerea.

Rivière Lunier et Camopi (Geay leg. in Mus. Paris).

Phoenicorercus carnifex.

Rivière Carsevenne (Geay leg. in Mus. Paris).

Rupicola rupicola.

Ouanary (Geay leg. in Mus. Paris).

Querula purpurata.

Camopi (Geay leg. in Mus. Paris).

Calvifrons calvus.

Camopi et rivière Lunier (Geay leg. in Mus. Paris).

Synallaxis albescens albigularis.

Mahury (Geay leg. in Mus. Paris).

Synallaxis gujanensis.

St. Georges d'Oyapock (Geay leg. in Mus. Paris).

Philydor erythrocerus.

Camopi (Geay leg. in Mus. Paris).

Glyphorhynchus cuneatus.

St. Georges d'Oyapock, Mahury et rivière Lunier (Geay leg. in Mus. Paris).

Dendroornis guttatoides sororia.

Ouanary (Geay leg. in Mus. Paris).

Dendroornis pardalotus.

Rivière Lunier et Camopi (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *pardalotus et nana*).

Dendrocincla fuliginosa.

St. Georges d'Oyapock (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *turdina*).

Thamnophilus naevius.

Ouanary et Mahury (Geay leg. in Mus. Paris).

Thamnophilus amazonicus.

St. Georges d'Oyapock et Ouanary (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *ambiguus*).

Thamnophilus canadensis.

Sinuamary et Mana (Geay leg. in Mus. Paris—*fide* Meneg., s.n. *cirrhatius*)

Thamnophilus doliatus.

St. Georges d'Oyapock, Ouanary, Mahury, Mana (Geay leg. in Mus. Paris).

Thamnomanes glaucus.

St. Jean du Maroni et rivière Lunier (Geay leg. in Mus. Paris).

Myrmotherula axillaris.

Ouanary et St. Georges d'Oyapock (Geay leg. in Mus. Paris).

Formicivora grisea.

Mahury, ♀ (Geay leg. in Mus. Paris).

Sclateria naevia.

St. Georges d'Oyapock (Geay leg. in Mus. Paris).

Hypocnemis cantator.

Camopi, Onanary, et St. Jean du Maroni (Geay leg. in Mus. Paris).

Hypocnemis melanopogon.

Camopi (Geay leg. in Mus. Paris).

Percnostola rufa.

St. Georges d'Oyapock, Camopi, Mahury, Ouanary (Geay leg. in Mus. Paris—*vide* Meneg., s.n. *funnebris*).

Pithys albifrons.

Camopi (Geay leg. in Mus. Paris).

Anoplops rufigula.

Camopi (Geay leg. in Mus. Paris).

Grallaria varia.

Rivière Lunnier (Geay leg. in Mus. Paris).

Grallaria brevicauda.

Camopi (Geay leg. in Mus. Paris).

Grallaria macularia.

Camopi (Geay leg. in Mus. Paris).

In another article on the "Birds of French Guiana," just published by M. A. Menegaux (*Bulletin du Mus. d'Hist. nat.* 1907. pp. 493-99, 1908, pp. 8-13 *), I find the following species to be noteworthy :

Basileuterus mesoleucus—"un spécimen."

Vireosylva chivi—"trois spécimens."

Vireolanius leucotis (= *V. l. chlorogaster*)—"un spécimen."

Lamprospiza melanoleuca—1 ♂ ad., 1 ♂ juv.

M. Menegaux states that the type of this species in the Paris Museum, described by M. Vieillot, had been presented by the Empress Joséphine.

Sporophila castaneiventris—5 ♂♂ (1 juv.).

Hylocharis sapphirina—3 ♂♂ ad., 5 juv., 13 ♀♀.

Also Mr. Hellmayr has kindly communicated to me a list of species received by the Munich Museum directly from St. Jean du Maroni, viz. :

Sporophila castaneiventris.

Formicivora consobrina microsticta.

Platyrinchus saturatus.

Herpsilochmus sticturus, ♂♀.

Todirostrum pictum.

Hypocnemis naevia.

Ornithion inermis.

Cercomacra nigrescens.

Scotothorus amazonum wallacei.

* The article relates to the birds sent to the Muséum d'Histoire naturelle at Paris by the Governor M. Rey.

At last I have found it necessary to make some corrections, most of them having been suggested to me by Mr. Hellmayr.

1. Hellmayr tells me that *Pachysylvia hypoxantha* is not likely to occur in Cayenne, the so-called "Guiana specimen" in the British Museum being really of the well-known Oriuoco make, and being referable to *P. aurantiifrons saturata* Hellm.

2. No. 19. As the probable habitat for *Malaconotus leucotis* Swains., "Upper Amazons" should be accepted instead of Cayenne.

3. No. 40, *Euphonia cayana*, should stand as :

Euphonia cayennensis (Gml.).

Tanagra cayennensis Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 894 (ex Briss., Buff. et Daubent. *Pl. Enl.* 114. f. 3—typ. ex Cayenne).

Hellmayr, in *Nov. Zool.* xiii. (1906) p. 357, has pointed out that *Tanagra cayana* Linné, p. 315, is the base for *Calospiza cayana* (Linn.), and that *Tanagra cayana* Linné, p. 316, is preoccupied by *T. cayana* of p. 315.

4. The author for *Serinopsis arvensis chapmani* is Ridgway, not Allen !

5. *Sporophila misya* (Vieill.) is apparently the same as *Sporophila americana* (Gml.)! Cf. Hellmayr, *Verh. zool.-bot. Ges. Wien* 1904. p. 532; but in the Museum Heineanum both are mentioned as being represented by Cayenne specimens in that collection.

6. No. 84, *Emberizoides macrourus* (Gml.) should stand as :

Emberizoides herbicola sphenurus (Vieill.).

[*Sylvia herbicola* Vieillot, *Nouv. Dict.* xi. (1817) p. 192 (ex Azara—typ. ex Paraguay).]

Passerina sphenura Vieillot, *Nouv. Dict.* xxv. (1817) p. 25 (typ. ex Cayenne).

Fringilla macroura Gmelin, 1788 nec Pallas 1764.

Fringilla macroura Gmelin, 1788, is preoccupied by *F. macroura* Pallas in *Vroeg's Cat.*, 1764.

7. No. 37, *Euphonia chlorotica* (Linn.) should stand as :

Euphonia aurea (Pallas).

Parus aureus Pallas in Vroeg, *Cat. rais. d'Oiseaux Adumbrat.* (1764) no. 175 (typ. ex Surinam).

Tanagra chlorotica Linné, 1766.

8. No. 168, *Scotothorus igniceps* (Scl.) should stand as :

Scotothorus chrysocephalus (Pelz.).

Heteropelma chrysocephalum Pelzeln, *Orn. Bras.* (1868) pp. 125, 185 (part., hab. S. Carlos, Maranhão, Rio Içanna—typ. select. ex S. Carlos in Mus. Vindob.).

Heteropelma igniceps Sclater, 1871.

Cf. Hellm., *Verhandl. zool.-bot. Gesellsch. Wien* 1903. p. 202.

9. No. 190, *Xipholena pompadora* (Linn.), should stand as :

Xipholena punicea (Pall.).

Turdus puniceus Pallas in Vroeg, *Cat. rais. d'Oiseaux Adumbrat.* (1764) no. 99 (descr. orig.?, cit. Edwards. t. 341—typ. ex Surinam? ("Zuyd America").

Ampelis pompadora Linné, 1766.

10. No. 203. The typical habitat for *Anabates infuscatus* Scl. should be "the Peruvian Amazons," not Barra do Rio Negro.



11. No. 269, *Cercomacra napensis* Scl. should stand as :

***Cercomacra cinerascens* (Scl.).**

Formicivora cinerascens Scater, *P. Z. S.* (1857) p. 131, part. (typ. select. specim. ex ripis fl. Napo in Mus. Brit.).

C. napensis Scl. 1868. Cf. Hellmayr, *Nov. Zool.* xii. (Sept. 1905) p. 287.

SUMMARY.

To the 626 * species admitted as occurring in French Guiana we may add about 140 which, although not yet recorded from that colony, are likely to be found there. We are therefore justified in computing the number of species inhabiting that country to be about 766.

Of the 626 species enumerated in my list about 23 are somewhat doubtful, viz. :

<i>Dendroica fusca</i>	<i>Leistes superciliaris</i>	<i>Urochroma batavica</i>
<i>Setophaga ruticilla</i>	<i>Myiochanes cinereus</i>	<i>Urochroma hueti</i>
<i>Euphonia rufiventris</i>	<i>Heterocercus luteocephalus</i>	<i>Leucopternis lacernulata</i>
<i>Tanagraella iridina</i>	<i>Cephalopterus ornatus</i>	<i>Eupsychortyx sonnini</i>
<i>Calospiza brasiliensis</i>	<i>Threnetes leucurus</i>	<i>Plegadis guarauna</i>
<i>Tanagra ornata</i>	<i>Chloronerpes rubiginosus</i>	<i>Chauna cristata</i>
<i>Piranga saira</i>	<i>Trogon aurantius</i>	<i>Aechmophorus major</i>
<i>Paroaria nigrogenys</i>	<i>Brotogerys devillei</i>	

There are 50 species enumerated in my list which, although not yet recorded from Cayenne, being species of vast distribution, are surely to be met there, viz. :

<i>Bubo magellanicus</i>	<i>Tringa canutus</i>
<i>Glaucidium brasilianum phalaenoides</i>	<i>Gallinago delicata</i>
<i>Catharista atratus brasiliensis</i>	<i>Hydrochelidon surinamensis</i>
<i>Spizaetus tyrannus</i>	<i>Sterna antillarum</i>
<i>Buteo albicaudatus</i>	<i>Gelochelidon anglica</i>
<i>Antenor unicinctus</i>	<i>Sterna eurygnatha</i>
<i>Gampsonyx swainsoni</i>	<i>Sterna anaestheta</i>
<i>Elanus leucurus</i>	<i>Sterna superciliaris</i>
<i>Hypotriorchis fuscocaerulescens</i>	<i>Anous stolidus</i>
<i>Hypotriorchis aurantius</i>	<i>Rhynchops nigra cinerascens</i>
<i>Pandion haliaetus carolinensis</i>	<i>Larus atricilla</i>
<i>Mitua mitu</i>	<i>Stercorarius cepphus</i>
<i>Gallinula galeata</i>	<i>Puffinus puffinus</i>
<i>Haematopus palliatus</i>	<i>Puffinus obscurus</i>
<i>Aegialitis collaris</i>	<i>Puffinus gravis</i>
<i>Himantopus mexicanus</i>	<i>Puffinus griseus</i>
<i>Numenius borealis</i>	<i>Aestrelata haesitata</i>
<i>Limosa hudsonica</i>	<i>Aestrelata mollis</i>
<i>Macrorhamphus griseus</i>	<i>Bulweria bulweri</i>
<i>Micropalama himantopus</i>	<i>Prion ariel</i>
<i>Catoptrophorus semipalmata</i>	<i>Diomedea melanophrys</i>
<i>Pavoncella pugnax</i>	<i>Sula piscator</i>
<i>Tringites subruficollis</i>	<i>Phoenicopterus ruber</i>
<i>Calidris alba</i>	<i>Cairina moschata</i>
<i>Pisobia maculata</i>	<i>Nettion brasiliense</i>

* I have deducted No. 79, *Sporophila misya* (Vieill.), this being probably = No. 78, *S. americana* (Gml.).

If we relegate the species of the last two categories (23 + 50) to a hypothetical list, then we have at least

$$626 \text{ less } 73 = 553 \text{ certain species}$$

which are known to inhabit French Guiana.

The specimens collected by Mr. Cherrie are referable to 254 species, this being not quite half the number of the known Cayenne species.

The following species and conspecies are peculiar to French Guiana as far as we know :

- ? 1. *Heterocercus luteocephalus*—of doubtful occurrence in Cayenne.
2. *Lipaugus immundus*.
3. *Automolus obscurus*.
4. *Hylexetastes perroti*—replaced by a nearly allied form in the Madeira district (*vide* Hellmayr in litt.).
- ? 5. *Xiphorhynchus dorsoimmaculatus*—of doubtful occurrence in Cayenne.
6. *Terenura elaopteryx*—replaced in Surinam and British Guiana by the nearly allied *T. spodioptila*.
7. *Formicivora consobrina microsticta*—replaced by nearly allied forms in Brazil, etc.
8. *Myrmelastes melanothorax*.
9. *Cercomacra nigrescens*.
10. *Threnetes antoniae*.
11. *Phaethornis malaris*.
- ? 12. *Thalurania furcata*—replaced by a nearly allied form in Brit. Guiana.
13. *Thalurania scapulata*.
- ? 14. *Odontophorus guianensis*—replaced by a nearly allied form in Brit. Guiana.

The following species are apparently peculiar to Cayenne and Surinam :

1. *Todirostrum fumifrons penardi*.
2. *Pipra serena*—replaced in Brit. Guiana by *P. suavissima*.
3. *Pachyrhamphus surinamus*.
4. *Picumnus buffoni*—replaced in Brit. Guiana by *P. buffoni undulatus*.
- ? 5. *Picumnus minutissimus*.

The following species are perhaps peculiar to the three Guianas—viz. Cayenne, Surinam and Brit. Guiana.

-
1. *Pachysylvia luteifrons*.
 2. *Microcerculus bambla*.
 3. *Tanagrella velia*, replaced by *T. v. signata* Hellm. near Pará.
 4. *Calospiza gyrola*.
 5. *Todirostrum pictum*.
 6. *Pipra gutturalis*.
 7. *Iodopleura fusca*.
 8. *Xiphorhynchus procurvoides*.
 9. *Dendrexetastes rufigula*—replaced at Pará by a nearly allied form.

10. *Myrmotherula gutturalis* } replaced by nearly allied forms in the neigh-
11. *Myrmotherula cinereiventris* } bouring country.
12. *Herpsilochmus sticturus*.
13. *Formicarius crissalis* } replaced by nearly allied forms in the neighbouring
14. *Grallaria macularia* } country.
15. *Chrysoptilus punctigula* }
16. *Capito niger*.
17. *Psittacula passerina*—replaced by nearly allied forms in the neighbouring
country.
18. *Amazona dufresneana*.
19. *Gallinago undulata*.

Some species seem to be peculiar to Cayenne and Lower Amazonia, viz. :

- Polioptila livida*—replaced in Brit. Guiana by *P. l. innotata*.
Calospiza virescens.
Empidochanes fuscatus fumosus.
Pyriglena leuconota.

Two species are perhaps peculiar to Cayenne, Surinam and Lower Amazonia, viz. :

- ? *Mimus gilvus*—replaced in Brit. Guiana by *M. g. columbianus*?
Lamprospiza melanoleuca.

Thirteen species or conspecies are apparently peculiar to the three Guianas and Lower Amazonia, viz. :

- Euphonia cayennensis*.
Calospiza mexicana } replaced by nearly allied forms in the neighbouring countries.
Tanagra episcopus }
Pitylus erythromelas.
Pitylus canadensis.
Cassicus haemorrhous } replaced by nearly allied forms in the neighbouring
Todirostrum maculatum } countries.
Elaenia gaimardi guianensis }
Haematoderus militaris.
Sclateria naevia.
Arocettula recurvirostris.
Pteroglossus inscriptus.
Selenidera nattereri.
Penelope marail.

My best thanks are due to Mr. C. Hellmayr, Dr. E. Hartert, and M. Menegaux for much useful information about the birds of Cayenne.

In a future article I hope to be able to say some more about the geographical distribution of the Cayenne birds, and to give a summary of the literature referring to them.



