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## ON THE BIRDS OF CAYENNE.

By HANS GRAF VON BERLEPSCH.

ALTHOUGH birds of French Guiana have been known since the days of the great French ornithologist Mathurin Jacques Brisson, who, in his excellent work *Ornithologia*,\* described about one hundred species of birds from Cayenne; and although birds from that country since that time till now have been largely and regularly imported to France and other parts of Europe, no complete account of Cayenne birds has ever been published.

It was, therefore, with much pleasure that I received the invitation of my friend Dr. Ernst Hartert to work out the collection of bird-skins made in Cayenne by Mr. George K. Cherrie, from October 1902 to the end of January 1903, which is deposited in Dr. Walter Rothschild's Museum at Tring.

Mr. George K. Cherrie, well known by his successful expeditions to Costarica and the Orinoco country, and also as an author of many important ornithological papers, arrived at Cayenne on September 30, 1902, and collected there assiduously during about four months, he having been assisted in this work by Mr. Benjamin T. Gault. The result of this collecting was a gain of thirteen hundred well-prepared bird-skins, which were all sent to me for examination.

Unfortunately, at the end of January 1903 Mr. Cherrie was attacked by diarrhoea, and was compelled to leave Cayenne for Georgetown, in British Guiana, where he went to the hospital in order to recover from his illness. He improved rapidly, but did not think it well to return to Cayenne, as at that time things were not favourable for his purposes, there being a great gold excitement in Cayenne, and therefore the living had become very expensive ("owing to the gold excitement the price of canoe travel up the rivers is prohibitive for a luckless bird collector").

On the whole he was satisfied with the ornis of Cayenne, and found the country very rich both in species and individuals. He thinks he has never seen such a variety of "Ant-Thrushes," both in individuals and species, as in the neighbourhood of the Approuague River. He says, "I realise that I have barely begun the work in French Guiana."

As a curious fact how far bird-protection has proceeded in British Guiana, the following extract from a letter by Mr. Geo. K. Cherrie to Mr. Hartert might well be made known:

"I wrote you December 1st that I was forwarding you a shipment on that date, which indeed I thought I had done, as I turned the boxes over to the agents of the French mail steamer, who were to send them as far as Demerara and there trans-ship by the Royal Mail for England. When I wrote you on January 22nd, after my return from the Approuague, I was still ignorant that my boxes had not been forwarded! A day or two later I was informed by the steamship agents that my consignment could not be sent viâ Demerara, as the Royal Mail would not accept bird-skins from that port owing to local laws prohibiting exportation of bird-skins!

\* Six vols., published at Paris, 1760.

“When I left Cayenne for Georgetown I took the collection with me as personal baggage, thinking I would be able to ship the same from the latter point. For I had not half believed the story that the Royal Mail would not accept the shipment—inasmuch as the collection was not made in Demerara. But I found it actually true, and was compelled to bring the entire collection to New York in order to ship to England.”

Under these circumstances ornithologists may congratulate themselves that some twenty years ago Mr. Whitely had made extensive collections in British Guiana, and that they were worked out by the late Osbert Salvin, as otherwise the prospects of getting birds from there for scientific purposes are not very promising.

In order to make the list of Cayenne birds as complete as possible, I have added in brackets all the species which, though not collected by Mr. Cherrie, are otherwise stated to be inhabitants of that country.

Some generalities about the birds of Cayenne shall be given at the end of this article, or else at a later date in a separate paper.

HANS GRAF VON BERLEPSCH.

BERLEPSCH,  
January 1908.

#### FAMILY *TURDIDAE*.\*

##### 1. *Turdus gymnophthalmus* Cab.

*Turdus gymnophthalmus* Cabanis, in Schomb. *Reise Brit. Guiana* iii. (1848) p. 665 (La Guaira, Caracas and Cayenne—habit. typ. select. Cayenne—in Mus. Berol.).

Approuague: 1 ♂ ad., December 17, 1 ♀ ad., December 9, 1902.

“Iris mars-brown, feet grey, bill basally dusky olive, distally dusky olive-yellow, bare skin about eye bright olive-yellow” (♀), “around eye olive-yellow” (♂).

♂ ad.: al. 118; caud. 97½; culm. 22½; tars. 31¾ mm.

♀ ad.: al. 109½; caud. 91½; culm. 22; tars. 28 mm.

Nos. 12745 (♂), 1085 (♀).

[Cayenne (Mus. Berol., coll. Deplanches (*vide* Bp.), Mus. H. v. B., ex coll. Jelski).]

##### 2. *Turdus albiventer* Spix.

*Turdus albiventer* Spix, *Av. Bras.* i. (1824) p. 70. part. (♂), nec Tafel 69. fig. 1! (typ. ex “Pará”).

Cayenne: 1 ♂ ad., October 17, 1902.

Ile le Père: 1 ♂ ad., October 23, 1 ♀ ad., October 24, 1 ♂ juv., fere pull., October 24, 1902.

\* (1) No small North American Thrush of the genus *Hylocichla* has as yet been recorded from Cayenne, while in British Guiana the late Mr. Whitely found three species of it, viz.:

1. *H. ustulata* (Nutt.).

2. *H. fuscescens* (Steph.).

3. *H. aliciae* (Baird).

*H. u. swainsoni* (Cab.) has been collected by the late J. Natterer near Cucuy and Marabitanas on the Rio Negro.

(2) I do not know what *Turdus poiteaui* Less. ex Cayenne really is. Perhaps it might be = *T. amaurochalinus* Cab. (*T. leucomelas* auct.), which occurs also at Pará (coll. Sneathlage).

(3) *Turdus flavipes* Vieill. occurs in British Guiana and in Bahia collections, and is likely to be found in the mountainous parts of Cayenne.

(4) *Cichlopsis leucogenys* Cab. is said to have come from Brazil (Bahia?), while *C. gularis* Salv. & Godm. is an inhabitant of British Guiana (Roraima and Merume Mts.). Perhaps *C. leucogenys* is really a Cayenne bird!

Roche-Marie: 1 ♂ ad., November 9, 1902.

"Iris chestnut, feet greyish, bill dusky slate." Nos. 171, 294, 318, 319, 650.

♂ ♂ ad.: al. 117—114; caud. 98—95½; culm. 20¾; tars. 30½—29½ mm.

♀ ♀ ad.: al. 119—111½; caud. 96—90½; culm. 21¾—20½; tars. 31—30½ mm.

These specimens agree with a male from Rio Branco (coll. J. Natterer—Mus. H. v. B.), and with others from Bogota and Sta. Marta (*M. fusa* Bangs). Specimens from Bahia as a rule have shorter bills, and have the breast and uropygium more suffused with brownish, less greyish.

[Cayenne (coll. Jelski in Mus. H. v. B.).]

### 3. *Turdus fumigatus* Licht.

*Turdus fumigatus* Lichtenstein, *Verz. Doubl.* (1823) p. 38 ex "Brasil"—typ. in Mus. Berol.—hab. substit. Bahia).

Cayenne: 1 ♂ ad., November 24, 1 ♀ ad., November 27, 1902.

Roche-Marie: 1 ♂ ad., November 10, 1902.

Ipousin: 1 ♀ ad., December 26, 1902.

"Iris dark chestnut, feet dusky slate-grey, bill dusky blackish (clove-brown)."

Nos. 676, 884, 936, 12847.

♂ ♂ ad.: al. 117—111½; caud. 93½—92½; culm. 23¾—22½; tars. 32—31½ mm.

♀ ♀ ad.: al. 112—110; caud. 88½—83½; culm. 23¼—22; tars. 32½—31½ mm.

These specimens agree with a Bahia skin in Mus. H. v. B.

*T. fumigatus* had not yet been mentioned as an inhabitant of Cayenne.

### 4. *Turdus phaeopygus* Cab.

*Turdus phaeopygus* Cabanis, Schomb. *Reise Brit. Guiana* iii. (1848) p. 666 (ex Brit. Guiana.—typ. in Mus. Berol.).

Ipousin, R. Approuague: a young female in transition plumage, December 31, 1902.

"Iris seal, feet dusky grey, bill blackish." No. 12937.

[Cayenne (C. Jelski leg. in Mus. H. v. B.).]

## FAMILY MIMIDAE.

### 5. *Mimus gilvus* (Vieill.).

*Turdus gilvus* Vieillot, *Ois. Am. sept.* ii. (1807) p. 15 ("habite la Guiane et les contrées les plus chaudes de l'Amérique septentrionale."—Typ. in Mus. Vieillot—habit. subst. Cayenne).

Cayenne: I ♀ ad., October 28, 1902.

"Iris raw sienna, feet and bill black." No. 357.

Al. 105½; caud. 114½; culm. 19½; tars. 31½ mm.

The length of the white tip of the outer tail-feather on the inner web is 26 mm.

A specimen from Surinam in Mus. H. v. B. agrees with the Cayenne bird. *M. gilvus columbianus* Cab. from Venezuela\* differs in having much longer white tips to the outer tail-feathers. A Roraima bird has the same amount of white on the outer tail-feathers as *M. g. columbianus*, but has much longer wings and a longer, stouter bill.

[Cayenne (Mus. Vindob.), *M. lividus* (Licht.), said to be collected in Cayenne by M. Deplanches (*vide* Bp.) is probably = *M. gilvus*!]

\* Type in Mus. Heinean. examined.—H. v. B.

6. *Donacobius atricapillus* (Linn.).

*Turdus atricapilla* Linne, *Syst. Nat.* ed. xii. 1. (1766) p. 295 (ex Brisson hab. Cap. Bon. Spei—  
errore!—habit. substit. Cayenne).

Cayenne : 1 ♂ ad., 1 ♀ ad., 1 juv., November 22, 1902.

“ Iris deep chrome yellow, feet dusky horn-colour, bill black, bare space on side of the throat chrome yellow.” Juv. : “ Iris slate-grey, bill and feet slate-grey, bare patch on side of the throat flesh-colour.”

Nos. 856, 857, 858.

♂ : al.  $83\frac{1}{2}$  ; caud.  $96\frac{1}{2}$  ; culm.  $25\frac{3}{4}$  ; tars.  $31\frac{1}{2}$  mm.

♀ : al. 79 ; caud. 100 ; culm. 22 ; tars.  $30\frac{1}{2}$  mm.

[Cayenne (coll. Deplanches—*fide* Bp.).]

FAMILY TROGLODYTIDAE.

[7. *Microcerculus bambla* (Bodd.).

*Formicarius bambla* Boddaert, *Tabl. Pl. Enl.* (1783) p. 44 (ex Daubenton, *Pl. Enl.* 703. f. 2.—  
typ. ex Cayenne).

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

[8. *Leucolepia musica* (Bodd.).

*Formicarius Musicus* Boddaert, *Tabl. Pl. Enl.* (1783). p. 44 (ex Daubenton, *Pl. Enl.* 706. f. 2.—  
typ. ex Cayenne).

Cayenne (Buff.—coll. Deplanches, *fide* Bp. ; Sclater collection in Mus. Brit.—  
Mus. H. v. B.).]

9. *Thryothorus coraya* (Gml.).

*Turdus Coraya* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 825 (ex Buff. & Daubent. *Pl. Enl.* 701. f. 1  
— typ. ex Cayenne).

*Th. oyapocensis* Ridgw.

Approuague : 1 ♂ ad., 1 ♀ ad., and 2 ♂♂ juv., December 8, 1902.

Ipousin, Approuague : 1 ♂ ad. and 1 ♂ imm., December 26, 1902.

“ Iris burnt umber (juv., dusky grey), feet slate-grey, bill above black, below slate-grey (jrs., blackish buff-yellow at base of mandible).”

Nos. 1058, 1061, 12841, 12842, 1059, 1060.

♂♂ ad. : al.  $59\frac{1}{2}$ — $58\frac{1}{2}$  ; caud.  $51\frac{1}{2}$ — $50\frac{3}{4}$  ; culm.  $18\frac{3}{4}$ — $18\frac{1}{2}$  ; tars.  $22\frac{1}{2}$ — $21\frac{1}{2}$  mm.

♀ ad. : al. 57 ; caud. 52 ; culm.  $17\frac{3}{4}$  ; tars.  $21\frac{1}{2}$  mm.

[Cayenne (Sclater collection in Mus. Brit.)—Oyapoc (cf. Ridgw.)]

10. *Thryophilus albipectus* (Cab.).

*Thryothorus albipectus* Cabanis, in Schomb. *Reise Brit. Guiana* iii. (1848) p. 673 (“ Cayenne ”—typ.  
in Mus. Berol.).

Cayenne : 3 ♂♂ ad., October 31, November 2, 1902.

Roche-Marie : 5 ♂♂ ad. and 1 ♀ ad., November 5, 6, 10, 11, 1902.

“ Iris hazel, feet greyish slate, bill above blackish, below greyish slate.”

Nos. 414, 415, 472, 543, 558, 667, 668, 680, 701.

♂♂ ad. : al. 67— $65\frac{1}{2}$  ; caud.  $52\frac{1}{2}$ —49 ; culm.  $19\frac{3}{4}$ — $18\frac{3}{4}$  ; tars.  $24\frac{1}{2}$ — $23\frac{1}{2}$  mm.

♀ ad. : al. 63 ; caud.  $50\frac{1}{2}$  ; culm.  $18\frac{1}{4}$  ; tars. 23 mm.

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

11. *Troglodytes musculus clarus* Berl. & Hart.

[*Troglodytes musculus* Naumann, *Vögel Deutschl.* iii. (1823) p. 724 (table) typ. ex Bahia.]

*Troglodytes musculus clarus* Berlepsch & Hartert, *Nov. Zool.* ix. (1902) p. 8 (typ. ex Bartica Grove, Brit. Guiana—Mus. H. v. B.).

Cayenne : 3 ♂♂ ad., October 11 ; November 11, 29 ; 2 ♂♂ juv., October 18, December 2 ; 4 ♀♀ ad., October 10, 11, 20, November 25 ; 1 ♀ juv., October 10, 1902.

“ Iris sepia, feet dusky flesh-colour, bill above dusky, below horny flesh-colour.”

Nos. 37, 46, 61, 62, 203, 222, 759, 905, 984, 996.

♂♂ ad. : al. 54—53 ; caud.  $40\frac{1}{2}$ — $39\frac{3}{4}$  ; culm.  $15\frac{3}{4}$ — $14\frac{1}{4}$  ; tars.  $18\frac{3}{4}$ — $17\frac{3}{4}$  mm.

♀♀ ad. : al. 54— $50\frac{1}{2}$  ; caud.  $40\frac{1}{2}$ — $35\frac{1}{2}$  ; culm.  $14\frac{3}{4}$ — $14\frac{1}{4}$  ; tars.  $18\frac{1}{2}$ — $17\frac{3}{4}$  mm.

## FAMILY PARIDAE.

12. *Polioptila livida* (Gml.).

*Motacilla livida* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 981 (ex Daubent. *Pl. Enl.* 705. f. 3 (♀).

“ Madagascar ”—errore !—habit. substit. Cayenne).

*T. buffoni* ScL.

Cayenne : 5 ♂♂ ad., October 13, 18, 22, 28, November 26 ; 1 ♀ ad., October 13 ; 1 ♀ juv., 1 juv., November 19 ; 1 ♀ (seems to be ♂ juv. in transition plumage), December 2, 1902.

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

“ Iris seal, feet plumbeous (‘ slate-grey ’), bill above black, below plumbeous, or maxilla black, with cutting edges plumbeous, or maxilla black, with pale cutting edges, mandible plumbeous, or bill blackish, plumbeous at base of mandible.”

Nos. 84, 85, 192, 275, 361, 560, 829, 830, 935, 994.

♂♂ : al.  $49\frac{1}{2}$ —48 ; caud.  $45\frac{1}{2}$ — $41\frac{1}{2}$  ; culm.  $13\frac{1}{2}$ — $13\frac{1}{4}$  ; tars.  $16\frac{3}{4}$ — $16\frac{1}{2}$  mm.

♀♀ : al.  $48\frac{1}{2}$ — $46\frac{1}{2}$  ; caud.  $47\frac{1}{2}$ — $43\frac{1}{2}$  ; culm.  $13\frac{1}{2}$ —12 ; tars. 17— $16\frac{1}{2}$  mm.

[Cayenne (Buff.), Sclater collection in Mus. Brit., coll. Deplanches—*vide* Bp.]

## FAMILY MNIOTILTIDAE.\*

13. *Dendroica aestiva* (Gml.).

*Motacilla aestiva* Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 996 (“ Cayenne, Canada ”—ex Briss. & Buff.—hab. select. Canada ex Briss.).

Cayenne : 3 ♂♂ ad., October 10, November 14, December 4 ; 2 ♀♀, October 13, 20 ; 3 ♂♂ juv., October 10, 13, November 22, 1902.

Roche-Marie : 1 ♂, November 10, 1902.

Approuague : 1 ♀, December 8, 1902.

“ Iris seal, feet buffy flesh, bill dusky horn-colour.”

\* The following species of *Mniotiltidae* might be expected from Cayenne, but are not yet recorded from there :

1. *Seiurus noveboracensis* (Gml.). U.S., N. America—British Guiana. [In one of his letters addressed to Dr. Hartert, Mr. Geo. K. Cherrie says that he has seen this species in Cayenne on October 14, 1902, and that he is absolutely sure about the identification of it.]
2. *Compothlypis pitiaiyumi* (Vieill.). Brit. Guiana—Bahia.
3. *Dendroica striata* (Forst.). U.S., N. Am.—Brit. Guiana—Marabitanas and Forte do Rio Branco, Brazil (Natterer).
4. *Basileuterus aurocapillus* (Swains.). Brit. Guiana—Brazil.
5. *Basileuterus flaveolus* Baird. Pto. Cabello, Venez. (Mus. H. v. B.)—Bahia, Brazil (Mus. H. v. B.).
6. *Grunatellus pelzelni* ScL. Brit. Guiana Tocantins (*G. p. paraensis* Rothsch. at Pará).

Nos. 31, 47, 99, 100, 232, 684, 769, 861, 1012, 1067.

♂♂ : al.  $63\frac{1}{2}$ — $62\frac{1}{2}$ ; caud.  $45\frac{3}{4}$ — $43\frac{1}{2}$ ; culm.  $10\frac{3}{4}$ — $9\frac{3}{4}$ ; tars.  $18\frac{3}{4}$ — $17\frac{1}{4}$  mm.

♀♀ : al. 64— $59\frac{1}{2}$ ; caud.  $45\frac{3}{4}$ — $40\frac{1}{2}$ ; culm. 10— $9\frac{3}{4}$ ; tars.  $17\frac{3}{4}$ — $16\frac{1}{2}$  mm.

[Cayenne (Sclater collection in Mus. Brit.; coll. Deplanches, *vide* Bp.).]

#### 14. *Geothlypis aequinoctialis* (Gml.).

*Motacilla aequinoctialis* Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 972 (ex Buff. & Daubent. *Pl. Enl.* 685. f. 1.—typ. ex Cayenne).

Cayenne : 1 ♂ ad., December 19; 3 ♀♀, October 10, 13, 16; 1 ♂ juv., October 10; 1 ♂ juv. fere pull., October 16, 1902. (No. 154 parent bird.)

Approuague : 2 ♂♂ imm., December 11, 17, 1902.

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

"Iris seal" (juv. pull., "greyish"), "feet dusky yellow" ("dusky buff," "buffy," in juv. pull. "yellowish"), "bill above blackish, below horny" ("below horny-yellowish," "below whitish," in pull. "dusky").

Nos. 27, 28, 86, 153, 154, 666, 1127, 1150, 1275.

♂♂ : al.  $60\frac{1}{2}$ ; caud.  $56\frac{1}{2}$ — $54\frac{1}{2}$ ; culm.  $12\frac{3}{4}$ — $12\frac{1}{2}$ ; tars.  $21\frac{3}{4}$ — $21\frac{1}{2}$  mm.

♀ : al. 58; caud. 54; culm.  $13\frac{1}{2}$ ; tars.  $21\frac{1}{2}$  mm.

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

#### 15. *Basileuterus mesoleucus* ScL.

*Basileuterus mesoleucus* Sclater, *P.Z.S.* 1865. p. 286 ("Demerara"—typ. in Mus. Brit.)

Approuague : 2 ♂♂ ad., December 8, 12, 1902.

Ipousin, R. Approuague : 1 ♀ ad., December 29, 1902.

"Iris seal, feet buff-yellow ('pale buff-yellow'), bill black ('blackish'), pale at base of mandible."

Nos. 1039, 1136, 12892.

♂♂ ad. : al. 63—60; caud. 56— $53\frac{1}{2}$ ; culm.  $13\frac{3}{4}$ — $11\frac{3}{4}$ ; tars.  $21\frac{1}{2}$ — $20\frac{3}{4}$  mm.

The Cayenne specimens agree with others from R. Carimang (Brit. Guiana), Orinoco, and Pará.

*B. mesoleucus* had not yet been mentioned as a species inhabiting Cayenne.

#### ? [16. *Setophaga ruticilla* (Linn.).

*Motacilla Ruticilla* Linne, *Syst. Nat.* ed. x. 1 (1758). p. 186 (ex Catesby—typ. ex Virginia (Catesby).

"Cayenne" (Buffon).]

### FAMILY VIREONIDAE.\*

#### 17. *Pachysylvia pectoralis* (ScL.).

*Hylophilus pectoralis* Sclater, *P.Z.S.* 1866. p. 321 (descr. orig. Matto Grosso, coll. Natterer—excl. hab. Rio Janeiro!—typ. in Sclater collection, Mus. Brit.).

Cayenne : 4 ♂♂ ad., October 18, November 3, December 17, 19; 2 ♀♀ ad., October 31, November 29; 1 ♂ juv., October 16, 1902.

\* List of species not yet recorded from Cayenne, but likely to occur there :

1. *Vireosylvia calidris* (L.). West Indies—Brit. Guiana.
2. *Vireo chivi* (Vieill.). Brit. Guiana—Brazil (generally distributed).
3. *Pachysylvia thoracica griseiventris* (Berl. & Hart.). Brit. Guiana—Orinoco (*P. thoracica*—Brazil).
4. *Pachysylvia hypoxantha* (Pelz.). Rio Içanna and Rio Vaupé, N. Brazil.

Roche-Marie: 2 ♂♂ ad., November 13; 1 ♀ ad., November 10; 1 ♂ juv., November 10; 1 juv., November 10; 1 ♀ juv., November 10, 1902.

"Iris sepia ('dark chestnut'), feet pale grey ('♂, dusky flesh-colour'), bill dusky ('blackish') above, paler below."

Nos. 143, 200, 417, 488, 661, 663, 664, 665, 747, 748, 969, 1153, 1154.

♂♂: al.  $56\frac{3}{4}$ —52; caud.  $47\frac{3}{4}$ — $44\frac{1}{2}$ ; culm.  $12\frac{3}{4}$ — $12\frac{1}{2}$ ; tars.  $17\frac{3}{4}$ — $16\frac{1}{2}$  mm.

♀♀: al.  $55\frac{1}{2}$ —54; caud.  $46\frac{1}{2}$ — $44\frac{1}{2}$ ; culm.  $12\frac{3}{4}$ — $12\frac{1}{4}$ ; tars.  $17\frac{3}{4}$ — $17\frac{1}{2}$  mm.

These birds are apparently not different from specimens collected by Miss Snethlage at Monte Alegre, on the northern bank of the Amazonas.

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

### 18. *Pachysylvia luteifrons* (Scl.).

*Hylophilus luteifrons* Sclater, *Ibis* 1881. p. 308 (typ. ex Bartica Grove, Brit. Guiana, coll. Whitely—in Mus. Brit.).

Ipousin, R. Approuague: 1 ♂, January 5; 1 ♀, December 30; and 1?, December 29, 1902.

"Iris seal, feet grey ('slate-grey'), bill above blackish, below pale grey."

Nos. 12891, 12905, 13014.

♂: al.  $58\frac{1}{2}$ ; caud.  $42\frac{1}{2}$ ; culm.  $14\frac{1}{2}$ ; tars.  $14\frac{3}{4}$  mm.

♀♀: al.  $54\frac{1}{2}$ —54; caud.  $40\frac{1}{2}$ —39; culm.  $13\frac{3}{4}$ — $12\frac{3}{4}$ ; tars.  $14\frac{3}{4}$  mm.

These specimens agree with examples from British Guiana, collected by the late H. Whitely, jun. *P. luteifrons* is new to the fauna of Cayenne.

### [19. *Vireolanius leucotis chlorogaster* Bp.

[*Malaconotus leucotis* Swainson, *Anim. in Menag.* (1838) p. 341 (hab. "Africa?"—errore—hab. substitit. Cayenne).]

*Vireolanius chlorogaster* Bonaparte, *Comptes Rendus xxxviii.* (1854) p. 381 (typ. in Mus. Brit. ex Cayenne).

Cayenne (Mus. Brit.).]

### 20. *Cyclorhis gujanensis* (Gml.).

*Tanagra gujanensis* Gmlin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 893 (ex Buff—"Gujana" sc. Cayenne).

Cayenne: 2 ♂♂ ad., October 16, 22; 1 ♀ ad., November 29; 1 juv. fere pull., October 22, 1902.

"Iris orange, feet greyish, bill dusky, slate at base of mandible." Pull: "Iris dusky, feet greyish flesh, bill dusky, greyish at base of mandible."

Nos. 155, 279, 970, 280.

♂♂ ad.: al.  $72\frac{1}{2}$ — $67\frac{1}{2}$ ; caud.  $51\frac{1}{2}$ ; culm.  $18\frac{1}{4}$ — $17\frac{1}{4}$ ; tars.  $21\frac{1}{4}$ — $20\frac{1}{2}$  mm.

♀ ad.: al. 75; caud.  $57\frac{1}{2}$ ; culm.  $17\frac{1}{4}$ ; tars.  $21\frac{3}{4}$  mm.

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

## FAMILY MOTACILLIDAE.

### 21. *Anthus lutescens* Puch. subsp.?

*Anthus lutescens* Pucheran, *Arch. Mus. Paris* vii. (1855) p. 343 ("Brésil," coll. Delalande in Mus. Paris—habit. typ. restrict. Rio).

*A. rufus* auctorum.

Cayenne: 1 ♂ ad., October 13, 1902.

"Iris seal, feet dusky buff, bill maxilla blackish, mandible pale." No. 94.

The two outermost tail-feathers in this specimen are apparently wanting, therefore it is impossible to say if it belongs to true *A. lutescens*, or to a subspecies alluded to by Hellmayr, *Nov. Zool.* 1906. p. 307.

FAMILY *HIRUNDINIDAE*.\*

[22. *Tachycineta albiventer* (Bodd.).

*Hirundo albiventer* Boddaert, *Tabl. Pl. Enl.* (1783) p. 32 (ex Daubent. *Pl. Enl.* 546. f. 2. typ. ex Cayenne).

Cayenne (Buff., Mus. Hein., Mus. H. v. B.).

Oyapoc (Jelski coll. in Sclater coll., Mus. Brit.).]

[23. *Atticora fasciata* (Gml.).

*Hirundo fasciata* Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 1022 (ex Buff. & Daubent. *Pl. Enl.* 724. f. 2. typ. ex Cayenne).

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

24. *Progne chalybea* (Gml.).

*Hirundo chalybea* Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 1026 (ex Briss. & Buff. typ. ex Cayenne).

Cayenne: 1 ♀ juv., November 2, 1902.

"Iris seal, feet blackish, bill black." No. 452.

[Cayenne (Buff., Briss.) Oyapoc (Jelski coll. in Sclater collection, Mus. Brit.).]

25. *Progne tapera* (Linn.).

*Hirundo tapera* Linne, *Syst. Nat.* ed. xii. 1. (1766) p. 345 ("America"—hab. substit. Brasil septr. or. ex Marcgrave).

R. Approuague: 1 ♂ jr., 1 ♀, December 11, 13, 1902.

"Iris seal, feet blackish, bill black." Nos. 1120, 12696.

♂ jr. and ♀: al., 125½; caud. 64—59½; culm. 12½; tarsi. 13¾—13 mm.

[26. *Stelgidopteryx ruficollis* (Vieill.).

*Hirundo ruficollis* Vieillot, *Nouv. Dict. d'Hist. Nat.* xiv. (1817) p. 523 (typ. ex "Brésil"—hab. substit. Rio Janeiro).

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

FAMILY *COEREBIDAE*.

27. *Dacnis cayana* (Linn.).

*Motacilla cayana*, Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 336 excl. syn. Hernandez (ex Briss.—Cayenne).

Cayenne: 6 ♂♂ ad., October 13; November 2, 4, 22 (two), December 2; 4 ♀♀ ad., October 21, November 24, 29 (two); 1 ♀? December; 3 ♂♂ jrs., November 22, 28, December 4, 1902.

\* Other *Hirundinidae*, not yet recorded from Cayenne, but likely to be found there, are:

1. *Cotile riparia* (Linn.): Amazonas and U.S.

2. *Hirundo erythrogastra* (Bodd.): Pará and U.S.

3. *Progne subis* (Linn.): Pará, Bahia, and U.S.

4. *Atticora cyanoieucu* (Vieill.): Bahia—Brit. Guiana.

5. *Atticora fucata* (Tem.): S. Brazil and Roraima.

6. *Petrochelidon pyrrhonota* (Vieill.): Argentina, S. Brazil, Bogotá, and U.S.

Roche-Marie: 1 ♂ ad., November 11; 1 ♀ ad., November 24; 1 ♂ imm., November 11, 1902.

Nos. 98, 469, 504, 709, 851, 852, 997, 1017, 710, 891, 956, 249, 704, 887, 978, 979, 1155.

♂♂: al.  $63-57\frac{1}{2}$ ; cand.  $42\frac{1}{2}-38\frac{1}{2}$ ; culm.  $12\frac{1}{2}-10\frac{3}{4}$ ; tars.  $15-14\frac{1}{2}$  mm.

♀♀: al.  $60\frac{1}{4}-57$ ; cand.  $42-38\frac{3}{4}$ ; culm.  $11\frac{3}{4}-11\frac{1}{4}$ ; tars.  $14\frac{3}{4}-14\frac{1}{2}$  mm.

[Cayenne (Briss.—Buff.—♂♀, Sclater collection in Mus. Brit., coll. Deplanches (*vide* Bp.), Mus. Hein.)]

[28. *Dacnis angelica* Bp.\*

[*Dacnis angelica* "De Filippi" Bonaparte, *Atti sesta Riun. Sc. Ital.* 1844 (1845) p. 404 nota (descr. ♂ ad. "ex Brasilia").]

*Dacnis melanotis* Strickland, 1851.

Cayenne (Sclater collection in Mus. Brit., coll. Deplanches—*vide* Bp.).]

29. *Dacnis bicolor* (Vieill.).

*Sylvia bicolor* Vieillot, *Ois. d'Am. Sept.* ii. (1807) p. 32 (loc. ignot. in Mus. Vieillot—habit. substit. Cayenne).

*Dacnis plumbea* autorum.

Cayenne: 7 ♂♂ ad., October 10, 11 (two), 13 (two), 14 (two); 2 ♀♀ ad., November 14, December 2; 4 ♀♀ juv., October 10, 11, 16, 22; 1 juv., October 16, 1902.

"Iris hazel, feet greyish flesh-colour ('drab'), bill above blackish, below dusky drab" (♀ juv., "below yellowish pale").

Nos. 26, 76, 77, 95, 96, 122, 123, 757, 1005, 43, 78, 144, 145, 269.

♂♂: al.  $62\frac{1}{2}-60\frac{1}{2}$ ; caud.  $47\frac{1}{2}-41$ ; culm.  $11\frac{3}{4}-11\frac{1}{4}$ ; tars.  $18\frac{3}{4}-16\frac{3}{4}$  mm.

♀♀: al.  $59-56\frac{1}{2}$ ; caud.  $45\frac{1}{2}-41$ ; culm.  $11\frac{3}{4}-8\frac{3}{4}$ ; tars.  $17\frac{1}{2}-16\frac{1}{2}$  mm.

[30. *Dacnis speciosa* (Wied).

*Sylvia speciosa* Wied, *Beitr. Natg. Bras.* iii. 2. (1831) p. 708 (typ. ex Prov. Rio Janeiro—in Am. Mus. N. H. New York).

Cayenne (Sclater collection in Mus. Brit., † coll. Deplanches—*vide* Bp.).]

[31. *Chlorophanes spiza* (Linn.).

*Motacilla spiza* Linne, *Syst. Nat.* ed. x. 1. (1758) p. 188 (ex Edwards—typ. ex Surinam) excl. var. β.

Cayenne (Sclater collection in Mus. Brit., coll. Deplanches—*vide* Bp.).]

32. *Cyanerpes cyanea* (Linn.).

*Certhia cyanea* Linne, *Syst. Nat.* ed. xii. 1. (1766) p. 188 (ex Edw. & Briss.—"habitat in Brasilia. Cayania"—hab. typ. select. Cayenne ex Bris.).

Cayenne: 2 ♂♂ ad., November 29; 1 ♂ adol., December 2; 2 ♀♀ ad., October 22, November 29, 1902.

♂♂, "Iris seal, feet vermilion, bill black."

♀♀, "Feet maroon ('madder brown'), bill black."

Nos. 977, 986, 1000, 284, 976.

\* The earliest name for this species is perhaps *Dacnis lineata* (Gml.): *Motacilla lineata* Gmelin, *Syst. Nat.* ed. xiii. 1 (1788), p. 990 (ex Buff. *Hist. Nat., Ois.* 5. p. 342. Pipit a coëffe bleue—typ. ex Cayenne. Gmelin's description is erroneous, but that of Buffon is quite recognisable).

† Sub nomine *D. analis*.

♂♂: al.  $63\frac{1}{2}$ —62; caud.  $37\frac{1}{2}$ — $34\frac{1}{2}$ ; culm.  $18\frac{3}{4}$ — $17\frac{3}{4}$ ; tars.  $13\frac{1}{2}$ — $12\frac{3}{4}$  mm.  
 ♀♀: al.  $60\frac{1}{2}$ —59; caud.  $37\frac{1}{2}$ — $34\frac{3}{4}$ ; culm.  $20\frac{3}{4}$ —19; tars. 13— $12\frac{3}{4}$  mm.  
 [Cayenne (Sclater collection in Mus. Brit., coll. Deplanches—*vide* Bp.)]

### 33. *Cyanerpes coerulea* (Linn.).

*Certhia caerulea* Linne, *Syst. Nat.* ed. x. 1 (1758) p. 118 (ex Edwards t. 21 fig. super.—typ. ex Surinam).

Cayenne: 2 ♂♂ ad., November 28, 29, 1902; 1 ♀ ad., November 24, 1902.

Ipousin, R. Approuague: 1 ♂ ad., December 28, 1902.

♂♂, "Iris seal, feet canary-yellow, bill black, claws black."

♀, "Iris seal, feet bright oil-green, bill black."

Nos. 957, 968, 12873, 890.

♂♂: al.  $56\frac{1}{2}$ — $55\frac{1}{4}$ ; caud. 29— $27\frac{1}{2}$ ; culm.  $21\frac{1}{2}$ — $19\frac{3}{4}$ ; tars.  $13\frac{1}{2}$ — $12\frac{1}{2}$  mm.

♀: al.  $51\frac{1}{2}$ ; caud. 26; culm.  $19\frac{3}{4}$ ; tars.  $12\frac{3}{4}$  mm.

[Cayenne (Sclater collection in Mus. Brit., coll. Deplanches—*vide* Bp.)]

### 34. *Coereba chloropyga* (Cab.) subsp.

*Certhiola chloropyga* Cabanis, *Mus. Hein.* i. (1851) p. 97 (typ. ex Bahia in Mus. Hein.).

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

Ile le Père: 2 ♀♀ ad., October 24, 25; 1 ♂ juv., October 24; 2 ♀♀ juv., October 24, 25, 1902.

"Iris mars brown ('dusky,' 'seal'), feet plumbeous ('slate'), bill blackish ('black')."

♂♂: al.  $55\frac{3}{4}$ — $49\frac{3}{4}$ ; caud.  $30\frac{1}{2}$ — $26\frac{1}{2}$ ; culm.  $12\frac{3}{4}$ — $12\frac{1}{4}$ ; tars.  $15\frac{1}{2}$ — $14\frac{1}{2}$  mm.

♀♀: al.  $54\frac{1}{2}$ ; caud.  $31\frac{3}{4}$ ; culm.  $12\frac{3}{4}$ ; tars.  $14\frac{1}{2}$  mm.

Nos. 315, 316, 317, 338, 339, 13024, 13025.

The Cayenne specimens as a rule show the backs a little darker, more blackish, and the uropygium a little more yellowish than specimens from Bahia, but some individuals are hardly distinguishable from Bahia examples. They are evidently somewhat intermediate between *C. chloropyga* and *C. guianensis*.

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

## FAMILY TANAGRIDAE.\*

### [35. *Procnias coerulea* (Vieill.).

*Tersina caerulea* Vieillot, *Nouv. Dict.* xxxiii. (1819) p. 401 ("Brésil et du Pérou"—habit. restrict. Rio, Brazil).

*Procnias tersa* autorum.

Cayenne (Sclater collection in Mus. Brit., Mus. H. v. B., coll. Deplanches—*vide* Bp.).]

### 36. *Euphonia violacea* (Linn.).

*Fringilla violacea* Linne, *Syst. Nat.* ed. x. (1758) i. p. 182 (hab. in calidis regionibus, typ. in Mus. Ad. Frid.—hab. substit. Surinam).

Cayenne: 5 ♂♂ ad., October 18, November 26, December 2; 1 ♂ juv., November 26, 1902.

\* The following *Tanagridae*, not yet recorded from Cayenne, are likely to be found there:

1. *Chlorophonia* sp. { *Chl. viridis*—Bahia.  
                           *Chl. roraimae*—Roraima.
2. *Euphonia nigricollis* (Vieill.): Bahia—Roraima.
3. *Euphonia xanthogastra* Sundev.: Bahia—Brit. Guiana.
4. *Pipridea melanonota* (Vieill.): Bahia—Venezuela.
5. *Tachyphonus luctuosus* Lafr. & D'Orb.: Brit. Guiana—Tocantins.

Roche-Marie : 1 ♂ ad., November 10, 1902.

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

"Iris seal, feet slate-grey, bill black, plumbeous at base of mandible."

♂♂ ad. : al.  $59\frac{3}{4}$ — $56\frac{1}{2}$ ; caud.  $33$ — $30\frac{1}{2}$ ; culm.  $9\frac{3}{4}$ — $8\frac{1}{2}$ ; tars.  $15\frac{3}{4}$ — $13\frac{3}{4}$  mm.

Nos. 195, 196, 674, 927, 928, 995, 1097, 1138, 934.

[Cayenne (Sclater collection in Mus. Brit.—coll. Deplanches (*vide* Bp.)—Mus. H. v. B.).]

37. **Euphonia chlorotica** (Linn.).

*Tanagra chlorotica* Linne, *Syst. Nat.* ed. xii. (1766) i. p. 317 (ex Briss.—Cayenne).

Cayenne : 5 ♂♂ ad., October 22, November 15 (two), November 26, 1 ♀ ad., November 15, 1902.

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

♂♂ ad. : al.  $54\frac{3}{4}$ — $52$ ; caud.  $33\frac{1}{2}$ — $30\frac{1}{2}$ ; tars.  $13\frac{3}{4}$ — $12\frac{1}{2}$  mm.

♀ : al.  $52\frac{1}{2}$ ; caud.  $31\frac{1}{2}$ ; tars.  $12\frac{3}{4}$  mm.

Nos. 288, 776, 777, 926.

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

[38. **Euphonia olivacea** (Desm.).

*Euphonia olivacea* Desmarest, *Hist. Nat. Tang.* (1805) Pl. xxvii. (descr. ♀—typ. ex Cayenne).

Cayenne (Sclater collection in Mus. Brit.), coll. Deplanches (*vide* Bp.).]

? [39. **Euphonia rufiventris** (Vieill.).

*Tanagra rufiventris* Vieillot, *Nouv. Dict.* xxxiii. (1819) p. 426 (loc. ignot. et "Brésil").

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

[40. **Euphonia cayana** (Linn.).

*Tanagra cayana* Linne, *Syst. Nat.* ed. xii. 1. (1766) p. 315 (ex Briss.—hab. Cayenne et Edw.).

Cayenne (Sclater collection and Salvin-Godman collection in Mus. Brit., Mus. H. v. B., coll. Deplanches—*vide* Bp.).]

[41. **Tanagrella velia** (Linn.).

*Motacilla Velia* Linne, *Syst. Nat.* ed. x. 1. (1758) p. 188 (ex Edw. typ. ex Surinam).

Cayenne (Sclater collection in Mus. Brit., Mus. H. v. B., coll. Deplanches—*vide* Bp.).]

? [42. **Tanagrella iridina** Hartl.

*Tanagra iridina* Hartlaub, *Rev. Zool.* (1841) p. 305 (typ. ex Moyobamba, Peru in Mus. Bremen).

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

This locality is most probably erroneous.

[43. **Calospiza pa adisea** (Sws.). \*

*Aglaiia paradisica* Swainson, *Class. Birds* ii. (1837) p. 298 (ex Daubent. *Pl. Enl.* 127. f. 1.—typ. ex Cayenne).

*C. tatao* auctorum.

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

\* *Tanagra viridis* Müller, (1776) based on Daubenton's Pl. 7. fig. 1, which is our species with the tail of another bird attached to it, as Buffon himself asserts, should not come in use.

[44. *Calospiza punctata* (Linn.).

*Tanagra punctata* Linne, *Syst. Nat.* ed. xii. 1. (1766) p. 316 (ex Briss. & Edw. hab. in India orientali—ex Briss.—errore!—hab. typ. Surinam (ex Edw.).)

Cayenne (Sclater collection in Mus. Brit., Mus. H. v. B., coll. Deplanches—*fide* Bp.).

Oyapoc (coll. Jelski—*fide* Scl.).]

[45. *Calospiza virescens* (Scl.).

? *Tanagra varia* P. L. S. Müller,\* *Natursyst. Suppl.* (1776) p. 158 (ex Daubent. pl. 301. fig. 1. hab. Cayenne).

*Calliste virescens* Sclater, *Contr. Orn.* 1851. p. 22, pl. 69. f. 1. et p. 56 (typ. ex Cayenne—in Mus. Brit.).

*C. graminea* auctorum.

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

46. *Calospiza cayana* (Linn.).

*Tanagra cayana* Linne, *Syst. Nat.* ed. xii. 1. (1766) p. 315 (ex Briss.—“Cayenne”).

Cayenne : 3 ♀ ♀ ad., October 28, November 15, 24 ; 4 ♀ ♀ juv., October 28, November 4, 18, 1902.

Ile le Père : 2 ♀ ♀ ad., October 24, 25, 1902.

“Iris sepia (‘mars brown’), feet light slate, bill above blackish, ‘below slaty.’”

Nos. 362, 342, 781, 812, 886, 365, 515, 816, 818.

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

47. *Calospiza gyrola* (Linn.).

*Fringilla Gyrola* Linne, *Syst. Nat.* ed. x. (1760) p. 181 (ex Edwards pl. 23.—typ. ex Surinam).

Ipousin, R. Approuague : 1 ♂ juv., December 29, 1902.

“Iris seal, feet slate-grey, bill blackish, drab at base of mandible.” No. 12894.

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

? [48. *Calospiza brasiliensis* (Linn.).

*Tanagra brasiliensis* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 316 (ex Briss.—“Brasilia”—Mus. Réaumur).

Cayenne (Sclater collection in Mus. Brit.).

The locality “Cayenne” is most probably erroneous.]

49. *Calospiza mexicana* (Linn.).

*Tanagra mexicana* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 315 excl. syn. Hernand. [Cayenne ex Briss. nec Mexico (Hernand.).]

*C. flaviventris* auctorum.

Cayenne : 1 ♂ ad., November 1 ; 1 ♂ ?, November 9, 1902 ; 2 ♂ ♂ jrs., December 19, 1902.

“Iris seal, feet slate, bill black.” Nos. 448, 649, 1151, 1152.

\* Müller's description, although probably based on Daubenton's plate 301. fig. 1. (which clearly represents our species) is erroneous, and might have been intended for another species (for instance *C. punctata*).

Al.  $72\frac{1}{2}$ —72; caud.  $53\frac{1}{2}$ — $50\frac{1}{2}$ ; culm.  $11\frac{1}{2}$ — $10\frac{1}{2}$ ; tars. 17— $15\frac{1}{2}$  mm.

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

#### 50. *Tanagra episcopus* Linn.

*Tanagra Episcopus* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 316 (ex Briss.—“ Brasilia,” errore!—hab. substit. Cayenne—“ Mus. Réaumur ”).

Cayenne: 3 ♂♂ ad., October 18, 29, November 28; 4 ♀♀ ad., October 17, November 27, 28, 29; 1 ♀ jr., November 3, 1902.

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

[Cayenne (Sclater collection in Mus. Brit., coll. Deplanches (*vide* Bp.), Mus. H. v. B.).]

“ Iris seal, feet plumbeous, bill above black, below plumbeous, dusky at tip.”

Nos. 175, 186, 397, 482, 944, 954, 962, 971, 12742.

A female obtained November 27 was “ breeding.”

♂♂: al.  $93\frac{1}{2}$ — $86\frac{1}{2}$ ; caud.  $66\frac{1}{2}$ — $61\frac{1}{2}$ ; culm. 17— $14\frac{1}{2}$ ; tars.  $20\frac{3}{4}$ —19 mm.

♀♀: al. 91—87; caud.  $65\frac{3}{4}$ — $60\frac{1}{2}$ ; culm.  $15\frac{3}{4}$ — $15\frac{1}{4}$ ; tars.  $20\frac{1}{2}$ — $19\frac{3}{4}$  mm.

#### 51. *Tanagra palmarum melanoptera* Scl.

[*Tanagra palmarum* Wied, *Reise Brasil.* ii. (1821) p. 76 (typ. ex Brasil. merid. or. in *Am. Mus. N. H. New York*).

*Tanagra melanoptera* Sclater, *P. Z. S.* 1856. p. 235 (Eastern Peru, etc.).

Cayenne: 4 ♂♂ ad., October 10, 16, 29, November 3; 1 ♀ ad., November 3, 1902.

Approuague: 1 ♂ ad. and 1 ♀ ad., December 6, 1902. Nos. 24, 139, 395, 419, 480, 1019, 1020.

♂♂ ad.: al. 97— $95\frac{1}{2}$ ; caud.  $74\frac{1}{2}$ — $69\frac{1}{2}$ ; culm.  $15\frac{1}{4}$ — $14\frac{3}{4}$ ; tars.  $21\frac{3}{4}$ — $20\frac{1}{2}$  mm.

♀♀ ad.: al. 96— $89\frac{1}{2}$ ; caud.  $72\frac{1}{2}$ — $65\frac{1}{2}$ ; culm.  $15\frac{1}{4}$ — $14\frac{3}{4}$ ; tars.  $21\frac{1}{2}$ — $20\frac{3}{4}$  mm.

#### ? [52. *Tanagra ornata* Sparrm.

*Tanagra ornata* Sparrmann, *Mus. Carls.* (1787) pl. 95; “ Cayenne ” (coll. Deplanches—*vide* Bp.).

This locality is probably erroneous.

#### 53. *Ramphocelus carbo* (Pall.).

*Lanius Carbo* Pallas in Vroeg, *Cat. rais. d'Oiseaux Adumbrat.* (1764) p. 2 (typ. ex Surinam).  
*R. jacapa* auctorum.

Cayenne: 2 ♂♂ ad., October 22, November 2, 1902.

Ile le Père: 2 ♂♂ ad., October 23, 24, 1902.

Roche-Marie: 2 ♂♂ ad., November 6, 10, 1902.

Approuague: 1 ♂ ad., December 10, 1902.

“ Iris hazel (seal), feet slate (blackish), bill blackish, plumbeous at base of mandible (‘ above blackish, below greyish slate, dusky at tip ’).”

Nos. 283, 298, 466, 559, 677, 809, 1093.

♂♂ ad.: al.  $83\frac{1}{2}$ — $77\frac{1}{2}$ ; caud.  $82\frac{1}{2}$ — $70\frac{1}{2}$ ; culm.  $18\frac{1}{2}$ — $16\frac{1}{2}$ ; tars.  $20\frac{3}{4}$ — $19\frac{1}{2}$  mm.

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

?[54. *Piranga saira* (Spix).

*Tanagra saira* Spix, *Av. Bras.* ii. (1825) p. 35. pl. 48. fig. 1 ♀ (loc. ignot.—habit. substit. Rio Janeiro).

Cayenne (coll. Deplanches—*fide* Bp.) an = *P. haemalea* Salv. & Godm. ?]

[55. *Cyanicterus cyanicterus* (Vieill.).

*Piranga cyanicterus* Vieillot, *Nouv. Dict.* xxviii. (1819) p. 290 ("Am. mérid."—habit. substit. Cayenne)—Mus. Temminck.

Cayenne (Mus. Brit.—Mus. H. v. B.).]

56. *Lanio atricapillus* (Gml.).

*Tanagra atricapilla* Gmelin, *Syst. Nat.* ed. xiii. 1 (1788) p. 899 (ex *Pl. Enl.* 809. fig. 2.—Cayenne).

Ipousin, R. Approuague: 1 ♀ ad., December 30, 1902.

"Iris seal, feet dusky grey, bill above blackish, below dusky slate." No. 12913.

[Cayenne (Sclater collection in Mus. Brit.—coll. Deplanches (*fide* Bp.) Mus. H. v. B.).]

57. *Tachyphonus rufus* (Bodd.).

*Tanagra rufa* Boddaert, *Tabl. Pl. Enl.* (1783) p. 44 (ex Daubent. *Pl. Enl.* 711 = ♀. typ. ex Cayenne).

Cayenne: 3 ♂♂ ad., November 4, 5, 19; 4 ♂♂ adolesc. (with slight remains of rufous in the plumage) October 21, 29, November 2, 8, 1902.

Ile le Père: 1 ♀ ad., October 24, 1902.

Roche-Marie: 1 ♀, with nest and two eggs, November 12, 1902.

♂♂: "Iris seal, feet black, bill black, greyish at base of mandible."

♀♀: "Iris seal, feet slate, bill blackish slate, lighter at base of mandible."

Nos. 254, 376, 453, 508, 551, 622, 823, 314, 719.

♂♂ ad.: al.  $88\frac{1}{2}$ — $85\frac{1}{2}$ ; caud.  $83$ — $77\frac{1}{2}$ ; culm.  $19\frac{3}{4}$ — $18\frac{1}{2}$ ; tars.  $23\frac{1}{2}$ — $22\frac{1}{2}$  mm.

♀♀ ad.: al.  $81$ — $77\frac{1}{2}$ ; caud.  $74$ — $72\frac{3}{4}$ ; culm.  $19\frac{1}{2}$ — $18\frac{3}{4}$ ; tars.  $23\frac{3}{4}$ — $23\frac{1}{2}$  mm.

[Cayenne (Jelski leg., Salvin & Godman coll. in Mus. Brit.—coll. Deplanches (*fide* Bp.).]

[58. *Tachyphonus phoeniceus* Sws.

*Tachyphonus phoeniceus* Swainson, *Anim. in Menag.* (1838) p. 311 loc. ignot. coll. Horsfield, hab. substit. Peruv. or.).]

Cayenne (Mus. Brit.).

59. *Tachyphonus cristatus* (Linn.).

*Tanagra cristata* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 317 (ex Briss. typ. ex Cayenne).

Ipousin, R. Approuague: ♀ juv. December 30, 1902.

"Iris seal, feet slate-grey, bill above dusky, below pale greyish." No. 12904.

[Cayenne (Buff.), Salvin & Godman coll. in Mus. Brit., coll. Deplanches (*fide* Bp.).]

60. *Tachyphonus surinamus* (Linn.).

*Turdus surinamus* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 297 (ex Briss., typ. ex Surinam).

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

“Iris seal, feet slate, bill black, slate-grey at base of mandible.” No. 13045.

[Cayenne (Briss.), Jelski leg., Salvin & Godman collection in Mus. Brit., coll.

Deplanches (*vide* Bp.), Mus. Hein., Mus. H. v. B.

Oyapoc (Salvin & Godman collection in Mus. Brit.).]

[61. *Eucometis penicillata* (Spix).

*Tanagra penicillata* Spix, *Av. Bras.* ii. (1825) p. 36 tab. xlix. fig. 1 (loc. ignot.—habit. substit. Fonteboa, Amazonas—typ. in Mus. Monac.).

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

62. *Nemosia pileata* (Bodd.).

*Tanagra pileata* Boddaert, *Tabl. Pl. Enl.* (1783) p. 45 (ex Daubent. *Pl. Enl.* 720 fig. 2. typ. ex Cayenne).

Cayenne: 2 ♂♂ ad., November 22, and 1 ♀ ad., December 19, 1902.

“Iris lemon-yellow, feet dusky ochre-yellow, bill black.” Nos. 863, 864, 1144.

♀: “bill slate above, yellowish below.”

♂♂ ad.: al. 69—65½; caud. 47½—46½; culm. 12¾; tars. 17¼ mm.

♀ ad.: al. 70; caud. 46¾; culm. 12¼; tars. 18¼ mm.

Cayenne (Buff.), coll. Deplanches (*vide* Bp.).]

[63. *Nemosia guira* (Linn.).

*Motacilla Guira* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 335 ex Marcgr. etc. typ. ex “Brasilia,” habit. substit. Pernambuco (Marcgr.).

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

[64. *Nemosia flavicollis* Vieill.

*Nemosia flavicollis* Vieillot, *Nouv. Dict.* xxii. (1818) p. 491 (ex “Amér. mérid.”—hab. substit. Cayenne).

Cayenne (Sclater collection in Mus. Brit.).

Oyapoc (Salvin & Godman collection in Mus. Brit.).]

65. *Arremon silens* (Bodd.).

*Tanagra silens* Boddaert, *Tabl. Pl. Enl.* (1783) p. 46 (ex Daubent. *Pl. Enl.* 742—typ. ex Cayenne).

Ipousin, R. Approuague: 1 ♂ ad., December 30; 2 ♀♀, December 29, 1902, January 5, 1903.

Cayenne: 1 ♀ ad., November 26, 1902.

“Iris seal, feet dusky flesh-colour (grey), bill black.” Nos. 12914, 932, 12890, 13007.

♂: al. 74½; caud. 66½; culm. 13¾; tars. 25½ mm.

♀♀: al. 72—68½; caud. 60¾—56½; culm. 13¾; tars. 24½—23½ mm.

[Cayenne (Sclater collection in Mus. Brit., Mus. H. v. B.); Oyapoc (Salvin & Godman collection in Mus. Brit.).]

[66. **Saltator maximus** (Müll.).

*Tanagra maxima* Müller, *Natursyst. Suppl.* (1776) p. 159. ex Buff., Daubent. *Pl. Enl.* 205 (typ. ex Cayenne).  
*S. magnus* auctorum.

Cayenne (Sclater collection in Mus. Brit., in Mus. Vindob. ex Becoeur.)]

[67. **Lamprospiza melanoleuca** (Vieill.).

*Saltator melanoleucus* Vieillot, *Nouv. Dict.* xiv. (1817) p. 105, "l'Amérique méridionale," hab. substit. Cayenne).

Cayenne (Sclater collection in Mus. Brit.)]

[68. **Cissopis leveriana** (Gml.).

*Lanius leverianus* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 302 ex Latham loc. ignot.—hab. substit. Cayenne).

Cayenne (ex Latham.)]

69. **Schistochlamys atra** (Gml.).

*Tanagra atra* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 898 (ex Daubent. *Pl. Enl.* 714. fig 2.—typ. ex Cayenne).

Cayenne : 2 ♂♂ ad., November 15 ; 1 ♂ jr., November 22 ; 1 ♀ jr., November 29 ; 1 ♂ juv., November 15, 1902.

" Iris hazel, feet slate, bill basal half plumbeous, tip blackish." ♂ juv. :  
" Iris sepia, feet slate-grey, bill dusky blackish, slightly paler below." Nos. 798, 799, 872, 860, 797.

♂♂ ad. : al.  $80\frac{1}{2}$ — $79\frac{3}{4}$  ; caud.  $75\frac{1}{2}$ — $74\frac{3}{4}$  ; culm.  $15\frac{1}{4}$  ; tars.  $23$ — $22\frac{1}{2}$  mm.

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

70. **Pitylus grossus** (Linn.).

*Loxia grossa* Linne, *Syst. Nat.* ed. xii. (1766) p. 307 (" America " ex Brisson—loc. substit. Cayenne).

Iposin, R. Approuague : 1 ♂ ad., December 24, 1902.

" Iris seal, feet slate, bill poppy-red." No. 12784.

Al. 102 ; caud.  $90\frac{1}{2}$  ; culm.  $20\frac{1}{4}$  ; tars.  $23\frac{1}{2}$  mm.

[Cayenne (Sclater collection in Mus. Brit.—Mus. Vindob. ex Becoeur) ; Oyapoc (Salvin & Godman, coll. in Mus. Brit.)]

[71. **Pitylus erythromelas** (Gml.).

*Loxia erythromelas* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 859 (ex Lath., typ. ex Cayenne).

Cayenne (Sclater collection in Mus. Brit.)]

[72. **Pitylus canadensis** (Linn.).

*Loxia canadensis* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 304 (ex Briss. "Cayenne" nec Canada Linne (errore !)

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

## FAMILY FRINGILLIDAE\*

73. *Guiraca rothschildi* Bartl.

*Guiraca rothschildi* Bartlett, *Ann. & Mag. N. H.*, August 1890. p. 168 (typ. ex R. Carimang, Brit. Guiana in Mus. Tring).

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

“ Iris seal, feet blackish, bill black, slate at base of mandible.” No. 13027.

Al. 81 ; caud. 64 ; culm.  $18\frac{3}{4}$  ; tars.  $19\frac{1}{2}$  mm.

This bird generally agrees with specimens from Rio Carimang, Brit. Guiana in Mus. H. v. B.

[Oyapoc, Cayenne (coll. Jelski—Salvin & Godman collection and Cayenne (Selater collection) in Mus. Brit.)]

74. *Oryzoborus angolensis brevirostris* subsp. n.

*Loxia angolensis* Linne, *Syst. Nat.* ed. xii. i. 1 (1766) p. 303 (ex Edw.—“ Angola ”—errore !—habit. substit. Ceara, Brazil !).

*Oryzoborus torridus* autorum.

*O. angolensis brevirostris*, *O. angolensis* dicto ex Brasil. or. simillimus, differt rostro brevius minus crasso. Hab. Cayenne (typ. in Mus. Tring, coll. Cherrie, No. 862).

Cayenne : 4 ♂♂ ad., November 15, 22, 24, 27, 1902.

Roche-Marie : 3 ♂♂ ad., November 5, 10, 12 ; 2 ♀♀ ad., November 8, 13 ; ♂ imm., November 11, 1902.

“ Iris dark chestnut, feet blackish (‘ slate ’), bill black.”

♀♀ : “ bill above black, pale at base below.” ♂ imm. : “ iris dusky.”

♂♂ ad. : al.  $60\frac{3}{4}$ — $56\frac{3}{4}$  ; caud.  $56\frac{1}{2}$ —53 ; culm.  $14\frac{1}{2}$ — $13\frac{1}{4}$  ; tars.  $16\frac{1}{2}$ — $15\frac{1}{2}$  mm.

♀♀ ad. : al. 56 ; caud. 51 ; culm.  $14\frac{1}{2}$ — $14\frac{1}{4}$  ; tars.  $15\frac{3}{4}$ — $15\frac{1}{2}$  mm.

Nos. 537, 675, 720, 795, 862, 885, 948, 632, 706, 749.

The “ Black Gros-Beak ” of Edwards is the base for *Loxia angolensis* Linn. In *Nov. Zool.* ix. 1902. p. 25, Berlepsch and Hartert have substituted “ Surinam ” as the typical locality for this species, which Edwards believed to have come from Angola. Nevertheless it now appears to me that Edwards’ bird must have come from Brazil, and consequently I have substituted “ Ceara, Brazil ” as the typical locality for it. In fact, there are other cases where Edwards says that his birds have come from the “ Portuguese Settlements ” on the coast of Angola, while in reality they were of Brazilian origin (as in the case of *Guiraca cyanea*). Also Edwards’ figure looks more like the thick-billed Brazilian form of this species.

Cayenne specimens as well as those from British Guiana, Upper Amazons and Colombia differ from the birds coming from Bahia and Rio, in having a much shorter and altogether smaller bill. It also seems to me that northern birds, as a rule, have the abdomen of a somewhat darker chestnut, and have the white alar speculum less extended. But these differences are not constant, I think.

\* The following *Fringillidae*, not yet mentioned from Cayenne, are likely to be found there :

1. *Oryzoborus crassirostris* (Gml.). Brit. Guiana—Pará (Snetilage).
2. *Sporophila gutturalis* (Licht.). Brit. Guiana—Pará.
3. *Sporophila plumbea* (Wied). Brazil (Pará) or *S. plumbea whitelyana* Sharpe. Brit. Guiana
4. *Euethia fuliginosa* (Wied). Brit. Guiana—Bahia.
5. *Sycalis flaveola* (Linn.). Brit. Guiana—Bahia.
6. *Serriopsis arcensis minor* Cab. Brit. Guiana, or *S. arcensis chapmani* Allen, Pará.
7. *Pseudochloris citrina* Pelz. Roraima and S. Brazil.
8. *Coryphospingus plicatus* (Wied). Orinoco—Bahia.

[75. *Sporophila grisea* (Gml.).

*Loxia grisea* Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 857 (ex Buff.—“Virginia” errore!—hab. subst. Cayenne, aut. Berl. & Hart.).

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

76. *Sporophila minuta* (Linn.).

*Loxia minuta* Linne, *Syst. Nat.* ed. x. 1. (1758) p. 176 (typ. ex Surinam).

Cayenne : 8 ♂♂, October 21, 28, November 1 (two), 2 (two), 15, 19; 2 ♀♀ ad. October 22, November 2, 1902.

Roche-Marie : 2 ♂♂ ad., November 6 (two); 3 ♂♂ juv., November 6, 11, 12, 1902; 1 ♀ ad., November 12, 1902.

“Iris seal, feet black, bill black.” 1 ♂ juv. : “Iris dark chestnut.” ♀♀ and ♂♂ juv. : “Feet slaty grey, bill above blackish, below dusky” (“pale at base”).

Nos. 252, 364, 434, 435, 462, 463, 571, 573, 790, 828, 572, 287, 461, 713, 721, 722.

♂♂ ad. : al.  $52\frac{3}{4}$ —49; caud.  $44$ — $39\frac{1}{2}$ ; culm.  $9\frac{1}{4}$ — $8\frac{3}{4}$ ; tars.  $14\frac{1}{4}$ — $13\frac{1}{2}$  mm.

♀♀ ad. : al. 52—48; caud.  $43$ — $39\frac{1}{2}$ ; culm.  $9\frac{3}{4}$ — $9\frac{1}{2}$ ; tars.  $13\frac{3}{4}$  mm.

These birds agree with a ♂ ad. from Surinam in Mus. H. v. B.

[Cayenne (Sclater collection in Mus. Brit., coll. Deplanches—Bp.).]

[77. *Sporophila castaneiventris* Cab.

*Sporophila castaneiventris* Cabanis, in Schomb. *Reise Brit. Guiana* iii. (1848) p. 679 (typ. ex Cumaca, Brit. Guiana).

Cayenne (*vide* Bonaparte.).]

[78. *Sporophila americana* (Gml.).

*Loxia americana* Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 863. ex Lath. “Amerika”—hab. subst. Cayenne, aut. Hellm.).

Cayenne (Becoer in Mus. Vindob., Mus. Hein.).]

79. *Sporophila misya* (Vieill.).

*Loxia misya* Vieillot, *Ois chanteurs* (1805) p. 75. pl. 46 (typ. ex Cayenne in Mus. Vieillot).  
*S. lineata* autorum.\*

Cayenne : 6 ♂♂ ad., October 14, 18, 22, 29, November 2; 5 ♂♂ juv., October 16 (two), 18, 22 (two), November 29 (two); 3 ♀♀ ad., October 22 (two), 31, November 8, 1902.

Ile le Père : 2 ♂♂ ad., October 25 (two), 1902.

Roche-Marie : 1 ♂ ad., November 5; 1 ♀ ad., November 8, 1902.

“Iris seal, feet blackish, bill black.” 1 ♂ juv. : “Iris dark chestnut, feet slate, bill blackish.”

Nos. 128, 331, 332, 394, 467, 542, 129, 194, 291, 973, 140, 289, 290, 292, 293, 631, 399, 974.

♂♂ ad. : al. 60—56; caud.  $50\frac{1}{2}$ —45; culm.  $11\frac{3}{4}$ — $10\frac{3}{4}$ ; tars.  $15\frac{3}{4}$  mm.

♀♀ ad. :  $56\frac{1}{2}$ — $55\frac{1}{2}$ ; caud.  $47$ — $46\frac{1}{2}$ ; culm.  $12\frac{1}{2}$ — $11\frac{3}{4}$ ; tars.  $16\frac{1}{4}$ — $15\frac{1}{2}$  mm.

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

\* I think it impossible to recognise *Loxia lineata* Gml. (ex Latham), described from a living bird with a “white bill.”

80. *Sporophila lineola* (Linn.).

*Loxia lineola* Linne, *Syst. Nat.* ed. x. i. (1758) p. 174 ("Asia"—errore—hab. subst. Surinam, autore Berl. & Hart.).

Cayenne: 9 ♂♂ ad., October 31, November 2, 3, 4 (three), 1902.

Roche-Marie: 4 ♂♂ ad., November 6 (three), 12; 1 ♀ ad., November 12, 1902.

♂♂ ad.: "Iris dark chestnut, feet dusky slate, bill black." ♀: "Iris chestnut, feet slate, bill above olive, below olive-yellow."

Nos. 419, 470, 486, 514, 513, 520, 574, 575, 576, 775, 728, 788, 993, 729.

♂♂ ad.: al.  $60\frac{1}{2}$ — $56\frac{1}{2}$ ; caud. 48— $45\frac{1}{2}$ ; culm.  $9\frac{1}{2}$ — $8\frac{1}{2}$ ; tars.  $14\frac{1}{2}$ — $13\frac{1}{2}$  mm.

♀ ad.: al.  $52\frac{3}{4}$ ; caud.  $43\frac{1}{2}$ ; culm.  $8\frac{1}{2}$ ; tars.  $13\frac{1}{2}$  mm.

[Cayenne (Sclater collection in Mus. Brit., coll. Deplanches—*vide* Bp.), Mus. H. v. B.).]

81. *Volatinia jacarina splendens* (Vieill.).

[*Tanagra jacarina* Linne, *Syst. Nat.* ed. xii. i. 1 (1766) p. 314 (Brasilia).]

*Fringilla splendens* Vieillot, *Nouv. Dict.* xii. (1817) p. 173 (typ. ex Cayenne).

Cayenne: 3 ♂♂ ad., October 17, 18, 10; 3 ♂♂ hornot., October 13, 17, November 15; 1 ♀ ad., October 11; 3 (♀♀) unsexed, October 29, November 3, 1902.

"Iris seal, feet dusky plumbeous (grey), bill above blackish (dusky), below grey (plumbeous grey), or blackish or greyish white, dusky at tip." ♀♀: "Bill above dusky, below pale."

An adult male from October 17, and other males which are not quite mature, have the posterior under wing-coverts partly white, thus inclining to true *V. jacarina*.

Nos. 735, 157, 199, 44, 787, 156, 108, 59, 396, 489, 817.

♂♂ ad.: al.  $51\frac{1}{2}$ —49; caud.  $46\frac{1}{2}$ — $43\frac{3}{4}$ ; culm.  $10\frac{3}{4}$ — $10\frac{1}{4}$ ; tars.  $15\frac{3}{4}$ — $14\frac{3}{4}$  mm.

♀♀ ad.: al.  $51\frac{1}{2}$ — $49\frac{1}{2}$ ; caud. 45— $44\frac{1}{2}$ ; culm.  $10\frac{1}{2}$ — $9\frac{3}{4}$ ; tars.  $15\frac{1}{2}$ — $13\frac{3}{4}$  mm.

[Cayenne (Sclater collection in Mus. Brit., coll. Deplanches—*vide* Bp.).]

[82. *Sycalis flaveola* (Linn.).

*Fringilla flaveola* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 321 (ex loc. ignot. Mus. de Geer—hab. subst. Surinam, autore Berl. & Hart.).]

83. *Myospiza manimbe* (Licht.).

*Fringilla manimbe* Lichtenstein, *Verz. Doubl.* (1823) p. 25 (Bahia—typ. in Mus. Berol.).

Cayenne: 3 ♂♂ ad., October 21, November 15, 25; 5 ♀♀ ad., October 21, 28, November 15, 21, 24; 1 ♂? November 24; 3 ♂♂ juv., November 15 (two), 18; 1 ♀ juv., November 25; 1 juv. (not sexed), November 22, 1902.

"Iris fawn-colour, feet dusky flesh-colour, bill blackish above, greyish horn-colour below" ("below greyish"). ♀ and ♂♂ jr.: "Iris sepia."

Nos. 250, 251, 363, 792, 842, 878, 879, 909, 911, 794, 793, 821, 910, 858.

♂♂ ad.: al.  $56\frac{1}{2}$ — $55\frac{1}{2}$ ; caud.  $44\frac{3}{4}$ — $40\frac{1}{2}$ ; culm.  $13\frac{1}{4}$ — $12\frac{1}{2}$ ; tars.  $19\frac{1}{2}$ — $18\frac{1}{2}$  mm.

♀♀ ad.: al.  $56\frac{1}{2}$ —51; caud.  $46\frac{1}{2}$ — $41\frac{3}{4}$ ; culm.  $12\frac{3}{4}$ — $11\frac{3}{4}$ ; tars. 19— $17\frac{3}{4}$  mm.

Cayenne specimens as a rule seem to be darker, and may have shorter wings than the Bahia birds.

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

[84. *Emberizoides macrourus* (Gml.).

*Fringilla macroura* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 918 (ex Latham—Cayenne).

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



[85. *Spiza americana* (Gml.).

*Emberiza americana* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 872 (ex Penn. *Arct. Zool.* "in Noveboraco").

Cayenne (Mus. Brit.).]

[86. *Coryphospingus cucullatus* (Müll.).

*Fringilla cucullata* P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 166. (ex Daubent. *Pl. Enl.* 181, fig. 1 typ. ex Cayenne).

Cayenne (Buffon).]

[87. *Paroaria gularis* (Linn.).

*Tanagra gularis* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 316 (ex Briss. "America"—hab. subst. Cayenne).

Cayenne (Sclater collection in Mus. Brit., coll. Deplanches—*vide* Bp., Mus. H. v. B.).]

[88. *Paroaria nigrogenys* (Lafr.).

*Nemosia nigrogenys* Lafresnaye, *Rev. Zool.* 1846. p. 273 ("Embouchure de l'Orénoque").

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

FAMILY *ICTERIDAE*.\*[89. *Xanthornus decumanus* Pall.

*Xanthornus decumanus* Pall., *Spic. Fasc.* vi. (1769) p. 1. (typ. ex Surinam).

Cayenne (coll. Deplanches, *vide* Bp.).]

[90. *Xanthornus viridis* (Müll.).

*Oriolus viridis* Müller, *Natursyst. Suppl.* (1776) p. 87 (ex Daubent. *Pl. Enl.* 328—typ. ex Cayenne).

Iposin, R. Approuague : 3 ♀♀ ad., December 29 (three), 1902.

"Iris azure blue, feet black, bill basal half pea-green, distal half orpiment orange."

Nos. 12898, 12897, 12896.

♀♀ : al.  $201\frac{1}{2}$ —186 ; caud. 140—132 ; culm. 53— $46\frac{1}{2}$  ; tars. 46— $42\frac{1}{2}$  mm.

[Cayenne (Mus. Brit.), coll. Deplanches (*vide* Bp.).]

91. *Cacicus cela* (Linn.).

*Parus Cela* Linne, *Syst. Nat.* ed. x. (1758) p. 191 ("in Indiis"—errore!—hab. substit. Surinam, aut. Hellmayr).

*C. persicus* autorum.

Approuague : 5 ♂♂ ad., December 6, 10 (two), 11, 12 ; 5 ♀♀ ad., December 9, 10, 13, 17, 18 (two), 1902. Roche-Marie ; 1 ♂ ad., November 8, 1902.

"Iris pale blue, feet black, bill primrose-yellow."

Nos. 1101, 1134, 635, 1111, 1026, 1100, 1082, 1099, 12766, 12764, 12743.

♂♂ : al.  $160\frac{1}{2}$ — $151\frac{1}{2}$  ; caud. 106—102 ; culm.  $39\frac{1}{2}$ — $35\frac{3}{4}$  ; tars.  $32\frac{1}{2}$ — $31\frac{1}{2}$  mm.

♀♀ : al.  $131\frac{1}{2}$ —128 ; caud.  $92\frac{1}{2}$ — $90\frac{1}{2}$  ; culm.  $32\frac{1}{2}$ — $30\frac{3}{4}$  ; tars.  $28\frac{1}{2}$ — $26\frac{1}{2}$  mm.

[Cayenne (Salvin & Godman collection in Mus. Brit., coll. Deplanches (Bp.).]

\* The following *Icteridae*, not yet recorded from Cayenne, are likely to be found there :

1. *Icterus croconotus* Wagl. Brit. Guiana—Lower Amazonas.

2. *Lamprosar tanagrinus* (Spix). Surinam (Mus. Hein.), Brit. Guiana (Schomburgk).

[92. **Cacicus haemorrhous** (Linn.).

*Oriolus haemorrhous* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 161 (ex Briss. hab. Brasilia et Cayenne—hab. select.: Cayenne (aut. Berl. & Hart.).)

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

[93. **Cassidix oryzivora** (Gml.).

*Oriolus oryzivorus* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 386 (ex Lath.—typ. ex Cayenne).

Cayenne (Latham.)]

[94. **Dolichonyx oryzivorus** (Linn.).

*Emberiza Oryzivora* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 311 (ex Catesb., Edw., Briss.—typ. ex Cuba).

Cayenne (Sclater coll. in Mus. Brit., Mus. Philada.)]

95. **Molothrus bonariensis atronitens** Cab.

[*Tanagra bonariensis* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 898. ex Buff. hab. in "Bonaria" (Argentina).]

*Molothrus atronitens* Cab. in Schomb. *Reise Brit. Guiana* iii. (1848) p. 682 (Brit. Guiana, "Küste")

Cayenne: 1 ♂ ad., October 10, 1902. "Iris seal, feet black, bill black." No. 25.

Al. 100; caud.  $72\frac{3}{4}$ ; culm. 19; tars.  $26\frac{1}{2}$  mm.

[Oyapoc, Cayenne (Jelski leg).]

96. **Agelaius icterocephalus** (Linn.).

*Oriolus icterocephalus* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 163 (ex Briss.—typ. ex Cayenne—and Edwards).

Cayenne: 2 ♂♂ ad., October 11 (two); 5 ♀♀ ad., October 11 (two), November 28 (two), December 17, 1902.

♂♂, "Iris seal, feet black, bill above black, below dusky plumbeous."

♀♀, "Iris seal, feet dusky ('slate black'), bill dusky ('slate black')."

Nos. 70, 71, 68, 69, 963, 964, 1149.

♂♂: al. 84—83; caud. 65— $64\frac{1}{2}$ ; culm.  $19\frac{1}{2}$ ; tars.  $24\frac{3}{4}$  mm.

♀♀: al.  $79\frac{1}{2}$ —71; caud.  $62\frac{1}{2}$ —56; culm.  $17\frac{1}{2}$ — $16\frac{1}{2}$ ; tars  $23\frac{3}{4}$ — $22\frac{3}{4}$  mm.

[97. **Agelaius frontalis** Vieill.

*Agelaius frontalis* Vieillot, *Nouv. Dict. d'Hist. Nat.* vol. xxxiv. (1819) p. 545 (typ. ex Cayenne).

Cayenne (Salvin & Godman collection in Mus. Brit., coll. Deplanches—Bp., Mus. Philada.)]

[98. **Leistes militaris** (Linn.).

*Tanagra militaris* Linne, *Syst. Nat.* ed. x. (1758) p. 178 ("America"—hab. substit. Surinam, aut. Berl. & Hart.).

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

? [99. **Leistes superciliaris** (Bp.).

*Trupialis superciliaris* Bonaparte, *Consp. Av.* i. (1850) p. 430 ("Mexico"—errore! habit. substit. Mattogrosso (Natt.).

Cayenne (Mus. Philada.)]

[100. *Gymnomystax mexicanus* (Linn.).

*Oriolus mexicanus* Linne, *Syst. Nat.* ed. xii. 1. (1766) p. 162 (ex Briss.—Mexico errore!—hab. subst. Cayenne aut. Berl. & Hart.).  
*G. melanicterus* autorum.

Cayenne (Mus. Philada.).]

[101. *Icterus chrysocephalus* (Linn.).

*Oriolus chrysocephalus* Linne, *Syst. Nat.* ed. xii. 1. (1766) p. 164 (ex Brisson—"Amérique"—habit. subst. Cayenne, aut. Berl. & Hart.).

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

[102. *Icterus cayanensis* (Linn.).

*Oriolus cayanensis* Linne, *Syst. Nat.* ed. xii. 1. (1766) p. 163 (ex Edw. & Briss. ex "Cayenne"—excl. hab. St. Thomas).

Cayenne (Sclater collection in Mus. Brit., coll. Deplanches—*vide* Bp., Mus. Philada.).]

[103. *Icterus xanthornus* (Gml.).

*Oriolus Xanthornus* Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 391 pt. (excl. syn. Edwards et hab. Jamaica ex Briss. et Buff.—"Mexico"—errore—hab. Cayenne (ex Buff.)).

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

[104. *Quiscalus lugubris* Sws.

*Quiscalus lugubris* Swainson, *Anim. in Menag.* (1838) p. 299 ("Brazil" errore!—hab. subst. Brit. Guiana, aut. Berl. & Hart.).

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

## FAMILY CORVIDAE.

[105. *Cyanocorax cayanus* (Linn.).

*Corvus cayanus* Linne, *Syst. Nat.* ed. xii. 1. (1766) p. 157 (ex Briss. hab. in "Cayana").

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

## FAMILY TYRANNIDAE.\*

[106. *Copurus leuconotus* Lafr.

*Copurus leuconotus* Lafresnaye, *Rev. Zool.* 1842, p. 335 ("hab. in Bolivia"—errore! hab. subst. Colombia).

Cayenne (Sclater collection and coll. Rothery in Mus. Brit.) ]

\* The following species of Tyrannidae, not yet recorded from Cayenne, are likely to occur there :

1. *Knipolegus pusillus* Scl. & Salv. Orinoco—Lower Amazons.
2. *Machetornis rixosa* (Vieill.). Venezuela—Bahia.
3. *Sisopygis icterophrys* (Vieill.). Venezuela—Bahia.
4. *Pyrocephalus rubineus* (Bodd.). Brit. Guiana—Lower Amazons.
5. *Myiodynastes solitarius* (Vieill.). Brit. Guiana—Pará—Bahia.
6. *Myiarchus tuberculifer tricolor* Pelz. Venezuela—Bahia.
7. *Rhynchoyclus flaviventris* (Wied). Brit. Guiana—Pará—Bahia.
8. *Platyrhynchus griseiceps* Salv. Brit. Guiana—Lower Amazons.
9. *Platyrhynchus mystaceus* (Vieill.). Brit. Guiana—Bahia.
10. *Hapalocercus meloryphus* (Wied). Orinoco—Bahia.
11. *Habrura pectoralis brevipennis* Berl. & Hart. Brit. Guiana—Orinoco. (*H. pectoralis* S. Brazil).
12. *Elaenia viridicata* (Vieill.). Venezuela—Bahia.
13. *Ornithion cinerascens* (Wied). Brit. Guiana—Bahia.
14. *Leptopogon amaurocephalus* Cab. Brit. Guiana—Bahia.
15. *Oxyruncus* sp. ? (*O. cristatus* Sws.—S. Brazil. *O. hypoleucus* Salv. & Godm.—Brit. Guiana).

[107. **Fluvicola pica** (Bodd.).

*Muscicapa pica* Boddaert, *Tabl. Pl. Enl.* (1783) p. 42 (ex Daubent. *Pl. Enl.* 675. f. 1.—typ. ex Cayenne).

Cayenne (Sclater collection and Jardin coll. in Mus. Brit.—Mus. H. v. B.).]

[108. **Arundinicola leucocephala** (Linn.).

*Pipra leucocephala* Linne, *Mus. Ad. Frid. II. Prodr.* (1764) p. 33 (typ. ex Surinam in *Mus. Ad. Frid. cf. Syst. Nat.* ed. xii. p. 340).

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

[109. **Ochthornis littoralis** (Pelz.).

*Elainea littoralis* Pelzeln, *Orn. Bras.* (1868) pp. 108, 180 ("Rio Mamoré, Madeira."—typ. select. Ria Mamoré in Mus. Vindob.).

Oyapoc (coll. Jelski in Sclater collection, Mus. Brit.).]

[110. **Muscivora tyrannus** (Linn.).

*Muscicapa tyrannus* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 325 (ex Brisson—"Canada," errore! te "Cayenne"—habit. typ. select. Cayenne).

Cayenne (*fide* Brisson & Vieillot, *Ois. Am. Sept.*).]

111. **Tyrannus dominicensis vorax** Vieill.

[*Lanius Tyrannus  $\beta$  dominicensis* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 302 (ex Brisson typ. ex "S. Domingo").]

*Tyrannus vorax* Vieillot, *Nouv. Dict. d'Hist. Nat.* xxxv. (1819) p. 90 (typ. ex "Martinique").

*Tyrannus rostratus* Sc. 1864.

Cayenne: 1 ♂ ad., November 18, 1 ♀ ad., October 16, 1902.

"Iris seal, feet black, bill black." Nos. 141, 813.

♂: al. 115; caud.  $93\frac{1}{2}$ ; culm.  $30\frac{3}{4}$ ; tars.  $19\frac{3}{4}$  mm.

♀: al. 114; caud.  $92\frac{1}{2}$ ; culm.  $31\frac{1}{2}$ ; tars.  $19\frac{3}{4}$  mm.

These specimens agree perfectly with my skins from Grenada, Sta. Lucia, and Dominica.

M. Sclater, when describing his *T. rostratus*, gave the habitat as "in ins. Trin. et in Guiana," but afterwards he changed the habitat of his specimen into "Martinique(?)."

112. **Tyrannus melancholicus** Vieill.

*Tyrannus melancholicus* Vieillot, *Nouv. Dict. d'Hist. Nat.* xxxv. (1819) p. 84 (ex Azara—"Paraguay").

Cayenne: 2 ♂♂ ad., October 10, 21, 1902; 1 juv. without date.

♂♂: al. 111—109; caud. 98— $93\frac{1}{2}$ ; culm.  $25\frac{1}{2}$ — $24\frac{3}{4}$ ; tars.  $17\frac{1}{4}$ — $16\frac{3}{4}$ ; caud. furca 17—15 mm.

Nos. 22, 236, 824.

Cayenne birds agree perfectly with specimens from Bahia, Brazil. Specimens from Southern Brazil (Sta. Catharina, Rio Grande do Sul) and Argentina as a rule are larger, have the throat of a darker ashy grey and the upper breast darker greenish.

[Cayenne (coll. Deplanches—*fide* Bp.).]

[113. **Empidonomus varius** (Vieill.).

*Muscicapa varia* Vieillot, *Nouv. Dict. d'Hist. Nat.* xxi. (1818) pp. 458, 459 (ex Azara—Paraguay).

Cayenne (Mus. Vindob. ex H. Becoer).]

114. *Legatus albicollis* (Vieill.).

*Tyrannus albicollis* Vieillot, *Nouv. Dict. d'Hist. Nat.* xxxv. (1819) p. 89 (ex Azara—Paraguay).

Cayenne : 4 ♂ ad., November 25, 26, 28, 29, 1902 ; 1 ♀ November 25, 1902, "nesting."

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

"Iris seal, feet black, bill black."

Nos. 906, 907, 933, 961, 987, 13068.

♂♂ : al.  $82\frac{1}{2}$ — $78\frac{1}{2}$  ; caud.  $60\frac{1}{2}$ — $56\frac{1}{2}$  ; culm.  $12\frac{1}{2}$ — $11\frac{3}{4}$  ; tars.  $15\frac{3}{4}$ — $14\frac{3}{4}$  mm.

♀ : al. 75 ; caud. 55 ; culm.  $11\frac{1}{2}$  ; tars.  $13\frac{3}{4}$  mm.

Specimens from Cayenne agree perfectly with others from British Guiana, Caicara (Orinoco), Orinoco-Delta, Bogota collections, Upper Amazons and Veragua, while the birds from Bahia and S. Paulo have a little longer wings and tails. Specimens from Guatemala are the same as those from Brazils, but the birds from Mexico (*L. albicollis variegatus* Scl.) are much larger.

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

115. *Myiodynastes maculatus* (Müll.).

*Muscicapa maculata* P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 169 (ex Daubent. *Pl. Enl.* 453 f. 2—t, p. ex Cayenne).

*M. audax* auctorum.

Cayenne : 2 ♂ ad., October 29, December 17 ; 1 ♀ ad., October 16 ; 1 ♂ juv. (moulting), December 19 ; 1 ♀ juv. (moulting), December 18, 1902.

"Iris seal, feet slate, bill blackish, pale at base of mandible."

Nos. 138, 381, 1146, 1147, 1148.

[Cayenne (coll. Jelski, Salvin & Godman collection and Sclater collection in Mus. Brit.—coll. Deplanches (*f. Bp.*), Mus. Hein.)]

♂♂ : al.  $107\frac{1}{2}$ — $106\frac{3}{4}$  ; caud.  $85\frac{1}{2}$ — $83\frac{1}{2}$  ; culm.  $22\frac{1}{2}$ — $22\frac{1}{4}$  ; tars.  $18\frac{3}{4}$ — $18\frac{1}{4}$  mm.

♀♀ : al.  $101\frac{1}{2}$ — $99\frac{1}{2}$  ; caud.  $83\frac{1}{2}$ —76 ; culm.  $23\frac{1}{2}$ — $22\frac{3}{4}$  ; tars.  $18\frac{3}{4}$ — $18\frac{1}{2}$  mm.

116. *Megarhynchus pitangua* (Linn.).

*Lanius Pitangua* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 136 (ex Briss. typ. ex "Brésil").

Cayenne : 1 ♀ ad., October 18, 1902.

"Feet blackish, bill black." No. 184.

The internal crest is yellow (as in the male), not rufous.

117. *Coryphotriccus parvus* (Pelz.).

*Pitangus parvus* Pelzeln, *Zur Orn. Bras.* (1868) pp. 111, 181 (typ. ex Marabitanas, Rio Negro—in Mus. Vindob.).

Cayenne : 1 ♂ very young, December 16, 1902. No. 1143.

[Oyapoc (Sclater collection in Mus. Brit.).]

118. *Pitangus sulphuratus* (Linn.).

*Lanius sulphuratus* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 137 (ex Briss.—typ. ex Cayenne).

Cayenne : 1 ♂ ad., November 19 ; 2 ♀ ad., October 22, December 4, 1902.

Approuague : 3 ♂ ad., December 8, 17, 19 ; 1 ♀ ad., December 11, 1902.

"Iris dark chestnut (1 ♀ : 'seal'), feet black ('slate-black'), bill black."

Nos. 268, 825, 1008, 1062, 1118, 12750, 12779.

♂♂ ad. : al.  $114\frac{1}{2}$ — $108\frac{1}{2}$ ; caud.  $87\frac{1}{2}$ —80; culm.  $29\frac{3}{4}$ — $27\frac{1}{4}$ ; tars.  $25\frac{3}{4}$ — $23\frac{1}{2}$  mm.  
♀♀ ad. : al. 107— $104\frac{1}{2}$ ; caud. 81—79; culm.  $29\frac{1}{4}$ — $27\frac{1}{4}$ ; tars.  $23\frac{3}{4}$ — $23\frac{1}{2}$  mm.  
[Cayenne (Brisson).]

[119. *Pitangus lictor* (Licht.).

*Lanius lictor* Lichtenstein, *Verz. Doubl.* (1823) p. 49 (ex "Para"—typ. in Mus. Berol.).

(Cayenne (Mus. Hein.—Heine & Reichenow).)]

120. *Myiozetetes cayanensis* (Linn.).

*Muscicapa cayanensis* Linne, *Syst. Nat.* ed. xii. 1 (1788) p. 327 (ex Briss.—typ. ex Cayenne).

Cayenne: 2 ♂♂ ad., 19, 21 November; 2 ♀♀ ad., October 17, December 2, 1902.

Roche-Marie: 4 ♂♂ ad., November 5, 8, 10 (*bis*); 1 ♀ ad., November 11, 1902.  
"Iris seal, feet black, bill black."

Nos. 174, 549, 624, 660, 661, 694, 826, 834, 999.

♂♂ ad. : al. 89— $83\frac{1}{2}$ ; caud. 74— $67\frac{1}{2}$ ; culm.  $16\frac{1}{4}$ — $14\frac{1}{2}$ ; tars.  $18\frac{1}{2}$ — $17\frac{1}{4}$  mm.

♀♀ ad. : al.  $85\frac{1}{2}$ —82; caud. 69—65; culm.  $15\frac{1}{4}$ — $14\frac{3}{4}$ ; tars.  $19\frac{1}{4}$ — $17\frac{1}{2}$  mm.

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

[121. *Myiozetetes luteiventris* (Scl.).

*Elaena luteiventris* Sclater, *P. Z. S.* 1858. p. 71 (typ. ex "Upper Rio Napo, Prov. Quixos, Ecuador").

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

122. *Tyrannopsis sulphureus* (Spix).

*Muscicapa sulphurea* Spix, *Av. Bras.* ii. (1825) p. 16. Pl. 20 (ex Brasil typ. in Mus. Monac.—hab., substit. Pará).

Cayenne: 1 ♂ ad., November 24, 1902.

Approuague: 1 ♀ ad., December 6, 1902.

"Iris seal, feet slate, bill black." Nos. 889, 1030.

♂: al. 111; caud. 82; culm.  $19\frac{1}{5}$ ; tars.  $20\frac{1}{2}$  mm.

♀: al.  $105\frac{3}{4}$ ; caud.  $76\frac{1}{2}$ ; culm.  $19\frac{3}{4}$ ; tars.  $20\frac{1}{4}$  mm.

[Cayenne (Mus. Brit.).]

123. *Myiarchus tyrannulus* (P. L. S. Müll.).

*Muscicapa tyrannulus* P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 169 (ex Daubent. *Pl. Enl.* 571. f. 1—typ. ex Cayenne).

Cayenne: 1 ♂ ad., November 27; 4 ♂♂ in much worn plumage (partly moulting), October 27, 28 (two), November 14; 2 ♀♀ ad., October 11, 28, 1902.

"Iris seal (1 ♀ 'vandyke'), feet slate ('slate-black,' 'dusky grey'), bill black ('blackish,' black, dusky at base of mandible)."

Nos. 67, 347, 372, 373, 374, 761, 939.

♂♂ ad. : al. 96— $89\frac{1}{2}$ ; caud.  $88\frac{1}{2}$ — $83\frac{3}{4}$ ; culm.  $20\frac{3}{4}$ — $19\frac{3}{4}$ ; tars.  $21\frac{1}{2}$ — $19\frac{3}{4}$  mm.

♀♀ ad. : al.  $89\frac{3}{4}$ — $86\frac{1}{2}$ ; caud. 82— $79\frac{1}{2}$ ; culm.  $20\frac{3}{4}$ — $19\frac{3}{4}$ ; tars.  $21\frac{1}{2}$ — $19\frac{3}{4}$  mm.

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

124. *Myiarchus ferox* (Gml.).

*Muscicapa ferox* Gmelin, *Syst. Nat.* ed. xiii. i. 1. (1788) p. 934. excl. var.  $\beta$  (ex Brisson—typ. ex Cayenne).

Cayenne: 1 ♂ ad., November 4; 1 ♀ ad., November 27, 1902.

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

Approuague: 4 ♂♂ ad., December 9, 15, 16, 18; 1 ♀ ad., December 9, 1902.

Ile le Père: 1 ♂ ad., October 24; 1 ♀ ad., October 25, 1902.

“Iris seal (‘hazel,’ ♀♀, ‘vandyke-brown’), feet slate (‘blackish,’ ‘dusky grey’), bill black (‘black, dusky at base of mandible’).”

Nos. 313, 329, 509, 669, 679, 940, 1068, 1069, 12723, 12741, 12767.

♂♂ ad.: al. 88—85; caud. 89½—85; culm. 21¾—19¾; tars. 21¾—20¾ mm.

♀♀ ad.: al. 86½—82; caud. 87¾—82¾; culm. 20¾—19¾; tars. 21½—20 mm.

[Cayenne (coll. Deplanches—*fide* Bp., Mus. H. v. B.).]

[125. *Myiarchus pelzelni* Berl.

*Myiarchus pelzelni* Berlepsch, *Ibis* 1883. p. 139 (typ. ex Bahia in Mus. H. v. B.).

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

? [126. *Myiochanes cinereus* (Spix).

*Platyrrhynchus cinereus* Spix, *Av. Bras.* ii. (1825) p. 11. tab. xiii. fig. 2 (in sylvis fl. Amazonum—errore?—habit. substitit. Rio de Janeiro).

*Syrichtha curtipes* Bonaparte (ex Swainson), *Bulletin Soc. Linn. Normandie* 1856-57 (1857) p. 36 Cayenne).

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

127. *Myiochanes brachytarsus andinus* (Tacz.).

[*Contopus brachytarsus* Sclater, *Ibis* 1859. p. 441 (typ. ex Cordova, Mexico, Sallé leg. in Mus. Brit.).]

*Contopus andinus* Taczanowski, *P. Z. S.* 1874. p. 539 (typ. ex Junin, C. Peru, Jelski leg., in Mus. Varsov.).

? *Planchesia fuliginosa* Bonaparte (nec *Muscicapa fuliginosa* Gml.?), *Bulletin Soc. Linn. Normandie* 1856-57 (1857) p. 36. descr. orig. (Cayenne).

Cayenne: 4 ♂♂ ad., October 10, 14, 16, December 2; 4 ♀♀ ad., October 10 (two, one had egg in oviduct), 14, 16; 1 ♂ juv., October 20, 1902.

“Iris seal, feet blackish, bill above black, below pale buffy yellowish, dusky at tip (‘yellowish with dusky tip below’).”

♂ juv. “Iris seal, feet slate, bill above blackish, below pale.”

Nos. 34, 35, 48, 126, 127, 146, 147, 226, 1002.

♂♂ ad.: al. 71¾—70¾; caud. 63—61½; culm. 14—12¼; tars. 13½—12¼ mm.

♀♀ ad.: al. 68½—66½; caud. 59—55; culm. 12¾—11¾; tars. 13¾—11½ mm.

Specimens from Cayenne agree nearly perfectly with an adult bird from Callacate, N. Peru (coll. J. Stolzmann), which I think must be true *andinus* Tacz. described from Junin, C. Peru. The Callacate bird only differs in having the wings and the tail a little longer. There is no difference between the Cayenne birds and two skins from Puerto Cabello, Venez., in Mus. H. v. B.

Specimens from Guayaquil, W. Ecuador (*M. b. punensis* Lawr.), differ in having a much more elongated bill and in presenting very well-defined and broad white wing-bands on the upper wing-coverts.

A specimen from Vera Paz, Guatemala, which I take to be true *M. brachytarsus*, differs from all the last-named birds in having the pileum of a much browner and the back of a more greenish shade (less blackish on the head and less greyish on the back), and in having the middle line of the breast of a pure yellowish white with no greyish suffusion, the sides of the breast being also more brownish, less greyish. A Bogotá skin seems to agree best with the bird from Guatemala.

As far as I can see, Bonaparte's description of his *Planchesia fuliginosa*, based on specimens collected in Cayenne by M. Deplanches, agrees with Cherrie's specimens; nevertheless an examination of the type-specimen in the Museum at Caen is most desirable. In the case that *Planchesia fuliginosa* Bp. is identical with our species, the generic term *Myiochanes* Cab. & Heine would become a synonym of *Planchesia* Bp.

*Muscicapa fuliginosa* Gml. ex *Pl. Enl.* 574. f. 1 (= *Muscicapa arausia* P. L. S. Müll.) seems to be quite a different bird. At least I am unable to recognise our *Myiochanes* in the "Gobe-monche brun de Cayenne" of Buffon and Daubenton.

### 128. *Empidochanes fuscatus fumosus* subsp. n.

[*Muscipeta fuscata* Pr. Wied, *Beitr. Naturg. Brasil.* 3. ii. (1831) p. 902 (typ. ex Rio Janeiro—in *Ann. Mus. N. H. New York*).]

*E. E. fuscato* (Wied) affinis differt corpore superiore fumoso vel nigrescenti-brunneo, nec rufescenti-brunneo, fasciis alarum angustioribus rufescenti-olivaceis, nec clare rufis, necnon mandibula nigrescentiore.

*Hab.* Cayenne—typ. in Mus. Tring. ♂, Cayenne, Cherrie leg. No. 12773.

*Cayenne*: 1 ♂ ad., November 14; 1 ♀ ad., October 20, 1902.

*Approuague*: 2 ♂♂ ad., December 11, 19; 2 ♀♀ ad., December 8 (two); 1 ♂ juv. December 9, 1902.

"Iris seal, feet blackish ('slate-grey'); bill black ('slate, blackish, pale at base of mandible')."

Nos. 227, 765, 1033, 1055, 1117, 12773, 1084.

♂♂.: al.  $67\frac{3}{4}$ —66; caud. 68—66; culm.  $15\frac{1}{2}$ — $14\frac{1}{4}$ ; tars.  $17\frac{1}{2}$ — $16\frac{1}{2}$  mm.

♀♀.: al. 63—62; caud.  $61\frac{1}{2}$ — $60\frac{1}{2}$ ; culm.  $14\frac{3}{4}$ — $14\frac{1}{4}$ ; tars.  $17\frac{1}{4}$ — $16\frac{3}{4}$ .

The *Empidochanes* from Cayenne has the upper parts of a very dark coloration, being blackish brown or smoke-brown instead of rufous-brown as in true *E. fuscatus* from Bahia. The mandible is also darker, more blackish than in *E. fuscatus*. The rufous wing-bands are generally narrower and darker, more olivaceous rufous-brown instead of clear rufous-brown.

Specimens from Pará agree perfectly with the Cayenne birds, while specimens from the Upper Amazons (Yquitos) and from Alta Gracia on the Orinoco differ in having the abdomen nearly white, but slightly tinged with yellowish. In this way they agree with *E. f. bimaculatus* (Lafr. & D'Orb.) from Bolivia and Mattogrosso, but have the upper parts much darker, just as in the Cayenne bird.

*E. f. cabanisi* (Léot.) from Trinidad, coast region of Venezuela and Colombia (Bogotá collections), has the upper parts of a much clearer olivaceous-brown. It agrees with *E. f. fumosus* in having a blackish mandible.

### 129. *Myiobius barbatus* (Gml.).

*Muscicapa barbata* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 933 (ex Buff. et Daubent. *Pl. Enl.* 830. f. 1—typ. ex Cayenne).

*Ipousin, R. Approuague*: 2 ♂♂ ad., December 31, 1902, January 5, 1903.

"Iris seal, feet grey, bill above black, below pale."

Nos. 12928, 13010.

♂♂ ad.: al.  $63\frac{1}{2}$ ,  $62\frac{1}{2}$ ; caud.  $55\frac{3}{4}$ , 55; culm.  $11\frac{1}{2}$ ,  $9\frac{3}{4}$ ; tars.  $15\frac{3}{4}$  mm.

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

130. *Myiophobus fasciatus* (Müll.).

*Muscicapa fasciata* P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 172 (ex Buff. et Daubent. *Pl. Enl.* 574. f. 3—typ. ex Cayenne).

*Myiobius naevius* autorum.

Cayenne: 2 ♂♂ ad., October 14, November 4; 2 ♀♀ ad., November 28, December 2, 1902.

Roche-Marie: 1 ♀ ad., November 5, 1902.

“Iris seal, feet blackish, bill above black, below dusky at tip, pale at base (‘above black, dusky pale below’).” ♀♀, “bill blackish.”

Nos. 110, 512, 540, 966, 998.

♂♂ ad.: al. 58,  $57\frac{3}{4}$ ; caud.  $52\frac{3}{4}$ ,  $51\frac{3}{4}$ ; culm.  $12\frac{1}{2}$ ,  $11\frac{1}{2}$ ; tars.  $15\frac{3}{4}$  mm.

♀♀ ad.: al.  $56\frac{1}{2}$ —53; caud.  $51\frac{3}{4}$ — $48\frac{1}{2}$ ; culm. 11— $10\frac{1}{4}$ ; tars.  $15\frac{1}{2}$ — $14\frac{3}{4}$  mm.

[Cayenne (coll. Jelski, Salvin & Godman collection in Mus. Brit.).]

131. *Terenotriccus erythrurus* (Cab.).

*Myiobius erythrurus* Cabanis, in Wieg. *Arch. f. Naturg.* 1844. i. p. 249. pl. 5. f. 1 (Guiana et Cayenne—hab. typ. restrict. Brit. Guiana, typ. in Mus. Berol.).

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

“Iris seal, feet slate-grey, bill above dusky, below pale.” No. 13033.

Al.  $50\frac{1}{2}$ ; caud.  $40\frac{3}{4}$ ; tars.  $14\frac{1}{2}$  mm.

This bird agrees with a specimen from Camacusa, Brit. Guiana (coll. Whitely), in Mus. H. v. B.

[Cayenne (in Mus. Berol.—*fide* Cab. et Licht.).]

[132. *Hirundinea ferruginea* (Gml.).

*Todus ferrugineus* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 446 (ex Lath.—typ. ex Cayenne).

Cayenne (Latham).]

[133. *Onychorhynchus coronatus* (Müll.).

*Muscicapa coronata* P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 168 (ex Buff. et Daubent. *Pl. Enl.* 289—typ. ex Cayenne).

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

134. *Rhynchocyclus sulphureus* (Spix) subsp.?

*Platyrrhynchus sulphureus* Spix, *Av. Bras.* ii. (1825) p. 10. part. “♂,” tab. xii. fig. 1 (typ. in Mus. Monac. ex “fl. Amazon.”—hab. typ. restrict. Rio de Janeiro).

Cayenne: 6 ♂♂ ad., October 18, 20, November 26, 27 (two), December 2, 1902.

Roche-Marie: 1 ♂ ad., November 7, 1902.

“Iris greyish (‘grey, pale greyish, drab’), feet slate-grey (‘grey’), bill above black, below pale (‘below pale, nearly flesh-colour’).”

Nos. 191, 224, 591, 923, 950, 952, 1001.

♂♂ ad.: al.  $65\frac{1}{2}$ — $60\frac{1}{2}$ ; caud. 57— $50\frac{1}{2}$ ; culm.  $13\frac{1}{4}$ — $12\frac{1}{2}$ ; tars.  $17\frac{3}{4}$ — $16\frac{1}{4}$  mm.

This species had not yet been recorded as being found in Cayenne. Specimens from S. Paulo, S. Brazil, have longer wings and tail, and present a somewhat brighter green on the back.

135. *Rhynchocyclus poliocephalus sclateri* Hellm.

[*Rhynchocyclus poliocephalus* Taczanowski, *Orn. du Pérou* ii. (1884) p. 285 (typ. ex Nauta. coll. Hauxwell, in Mus. H. v. B.).]

*Rhynchocyclus poliocephalus sclateri* Hellmayr, *Verh. zool. bot. Gesellsch. Wien* 1903. p. 207 (typ. ex Barra do Rio Negro, Mus. Vindob.).

Cayenne: 2 ♂♂ ad., November 26, 27, and 1 juv., November 26, 1902. Nos. 922, 924, 951.

♂♂ ad.: al. 55—54 $\frac{3}{4}$ ; caud. 48; culm. 10 $\frac{3}{4}$ ; tars. 16 $\frac{1}{4}$ —15 $\frac{3}{4}$  mm.

Hellmayr affirms that specimens from Guiana agree with his type from Barra do Rio Negro.

[136. *Ramphotrigon ruficauda* (Spix).

*Platyrhynchus ruficauda* Spix, *Av. Bras.* ii. (1825) p. 9, pl. 11 f. 1 (typ. in Mus. Monac.—hab. "in sylvis fl. Amazonum."—hab. typ. restrict. Pará).

Cayenne (Sclater collection in Mus. Brit.)]

137. *Platyrinchus saturatus* Salv. & Godm.

*Platyrhynchus saturatus* Salvin & Godman, *Ibis* 1882. p. 78 (typ. ex Merume Mts., Brit. Guiana. in Mus. Brit.).

Iponsin, R. Approuague: 1 ♂ ad., January 2, 1903.

"Iris seal, feet pale greyish flesh, bill black, cutting edge of mandible pale."

No. 12974.

*Pl. saturatus* is new to the fauna of Cayenne.

[138. *Platyrinchus superciliaris* Lawr.

*Platyrhynchus superciliaris* Lawrence, *Ibis* 1863. p. 184 (typ. ex Lion Hill, Panama—in Am. Mus. N. H. New York).

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

139. *Todirostrum cinereum* (Linn.).

*Todus cinereus* Linne, *Syst. Nat.* ed. xii. 1 (1766) p. 178 (ex Edwards—typ. ex Surinam).

Cayenne: 1 ♀ ad., November 1, 1902.

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

Approuague: 4 ♂♂ ad., December 6 (two), 9, 11; 2 ♀♀ ad., December 6, 12, 1902.

"Iris lemon-yellow, feet slate-grey, bill above black, below pale ('pale at base of mandible')."

Nos. 108, 439, 605, 708, 727, 1023, 1024, 1025, 1119, 1133.

♂♂ ad.: al. 45—41 $\frac{1}{2}$ ; caud. 36—30 $\frac{1}{2}$ ; culm. 15 $\frac{3}{4}$ —13 $\frac{1}{2}$ ; tars. 18 $\frac{3}{4}$ —17 $\frac{3}{4}$  mm.

♀♀ ad.: al. 43 $\frac{1}{2}$ —41 $\frac{3}{4}$ ; caud. 35 $\frac{1}{4}$ —31 $\frac{3}{4}$ ; culm. 15 $\frac{3}{4}$ —14 $\frac{3}{4}$ ; tars. 18 $\frac{1}{2}$ —17 $\frac{3}{4}$  mm.

[Cayenne (Mus. H. v. B., Mus. Hein.)]

140. *Todirostrum maculatum* (Desm.).

*Todus maculatus* Desmarest, *Hist. Nat. Tang.* (1805) (hab. "Guiane," sc. Cayenne).

Cayenne: 4 ♂♂ ad., October 11 (two), 20, November 4; 1 ♂ jr., October 10; 3 ♀♀ ad., October 10, 11 (two); 1 ♀ jr., October 11, 1902.

Roche-Marie: 4 ♂♂ ad., November 6, 7, 10, 12, 1902.

Ile le Père : October 23 (two), 1902.

" Iris lemon-yellow (ad., Ile le Père, 'orange'), feet plumbeous grey, bill black ('pale at base of mandible'), tip and base of mandible whitish ('pale'), below black, edges whitish ; ♂ jr., No. 726, 'above black, below pale.'"

Nos. 32, 36, 51, 52, 53, 54, 55, 223, 296, 299, 519, 580, 604, 681, 726.

♂ ♂ ad. : al.  $47\frac{1}{2}$ — $44\frac{1}{2}$  ; caud.  $37\frac{1}{4}$ — $32\frac{1}{4}$  ; culm.  $15\frac{3}{4}$ — $13\frac{1}{4}$  ; tars.  $17\frac{3}{4}$ — $16\frac{3}{4}$  mm.

♀ ♀ ad. : al. 46— $43\frac{1}{2}$  ; caud.  $37\frac{1}{2}$ — $31\frac{3}{4}$  ; culm.  $15\frac{3}{4}$ — $14\frac{1}{4}$  ; tars.  $17\frac{3}{4}$ — $16\frac{1}{2}$  mm.

[Cayenne (Sclater collection in Mus. Brit.—coll. Deplanches, *vide* Bp.).]

#### [141. *Todirostrum fumifrons penardi* Hellm.

[*Euscarthmus fumifrons* Hartlaub, *Journ. f. Ornith.* 1853 p. 35 (typ. ex "Brasilia?")—hab. substit. Bahia).

*Todirostrum fumifrons penardi* Hellmayr, *Bulletin Brit. Orn. Club* xv. no. cxvii. (1905) p. 90 (typ. ex Surinam—Mus. Tring).

St. George, Oyapoc, Cayenne (coll. Jelski—Sclater collection in Mus. Brit.).]

#### 142. *Idioptilon rothschildi* Berl.

*Idioptilon rothschildi* Berlepsch, *Proc. Fourth Intern. Orn. Congress* 1905. p. 356 (typ. ex Cayenne, coll. Cherrie in Mus. Tring).

Ipousin, R. Approuague, January 8, 1903.

" Iris pale yellowish." No. 8057.

Al. 51 ; caud. 45 ; culm.  $11\frac{1}{2}$  ; tars.  $15\frac{1}{2}$  mm.

#### 143. *Lophotriccus spicifer* (Lafr.).

*Todirostrum spiciferum* Lafresnaye, *Rev. Zool.* 1846. p. 363 (" hab. in Brasilia"—hab. typ. substit. Rio Negro).

Ipousin, R. Approuague : 1 ♂ ad., December 26, 1902 ; 1 ♀ jr., January 1, 1903.

" Iris lemon-yellow (♀, 'straw-yellow'), feet greenish flesh (♀, 'grey'), bill black, pale at base of mandible."

Nos. 12836, 12949.

♂ ad. : al.  $46\frac{3}{4}$  ; caud.  $38\frac{3}{4}$  ; tars.  $15\frac{3}{4}$  mm.

♀ ad. : al.  $42\frac{1}{2}$  ; caud.  $32\frac{3}{4}$  ; culm.  $10\frac{1}{4}$  ; tars.  $13\frac{1}{2}$  mm.

*L. spicifer* resembles very much *Colopteryx galeatus*, but differs at a glance by having the greater and middle wing-coverts and the tertiaries broadly margined by yellowish white, while they are quite uniform green in *Colopteryx*. Also the former never shows the curious reduction in size of the three first primaries, these being of the normal shape in *L. spicifer*.

There is also a specimen of *L. spicifer* in the Mus. H. v. B., which was collected by M. C. Jelski at St. Laurent, Cayenne, December 24, 1868. The Cayenne birds agree generally with a specimen from Yurimaguas (Huallaga) in Mus. H. v. B.

#### 144. *Colopteryx galeatus* (Bodd.).

*Motacilla galcata* Boddart, *Tabl. Pl. Enl.* (1783) p. 24 (ex Daubent. *Pl. Enl.* 391. fig. 1—typ. ex Cayenne).

Cayenne : 3 ♂ ♂ ad., November 14, 24, 27 ; 2 adults without indication of sex, November 7, 25 ; 1 ♂ with moulting primaries, November 7, 1902.

Roche-Marie : 2 ♂ ♂ ad., November 11, 12, 1902.

" Iris lemon-yellow (' seal '), feet greyish (' blackish, greyish flesh '), bill black, pale at base of mandible."

Nos. 592, 703, 712, 737, 768, 858, 901, 938.

♂♂ ad. : al. 47—46½; caud. 44½—38¾; culm. 10¾—9¾; tars. 15¾—13¾ mm.

[Cayenne (Buff.)—Sclater collection and coll. Jelski in Salvin & Godman collection, Mus. Brit..]

#### 145. *Capsiempis flaveola* (Licht.).

*Muscicapa flaveola* Lichtenstein, *Doubl. Verz.* (1823) p. 56 (typ. ex Bahia in Mus. Berol.).

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

" Iris seal, feet slate-grey, bill black, horny buff at base of mandible."

No. 12776.

Al. 47½; caud. 49; culm. 10¾; tars. 16¼ mm.

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

This bird, while otherwise agreeing with toptotypical specimens from Bahia, has a longer and stronger bill, and perhaps should be called *C. magnirostris* Hart.

#### 146. *Elaenia flavogaster* (Thunb.).

*Pipra flavogaster* Thunb., *Mém. Acad. St. Pétersb.* viii. (1822) p. 286. (typ. ex Brazil, Mus. Upsala).

*E. pagana* autorum.

Cayenne : 6 ♂♂ ad., October 9, 10 (two), 14, November 8, 26; 1 ♂ with moulting tail-feathers October 13; 2 ♀♀ ad., October 16, 20, 1902.

Roche-Marie : 2 ♂♂ ad., November 8, 11, 1902.

Approuague : 1 ♀ ad., December 11, 1902.

Ile le Père : 1 ♀ ad., October 24, 1902.

" Iris seal (' dusky '), feet dusky plumbeous (' slate-grey '), bill blackish, pale at base of mandible (' dusky pale at base of mandible,' dusky blackish, pale at base of mandible)."

Nos. 19, 20, 21, 92, 109, 142, 225, 311, 623, 641, 690, 917, 1122.

♂♂ ad. : al. 82—76; caud. 72½—66½; culm. 11¾—11; tars. 19¾—18½ mm.

♀♀ ad. : al. 76¾—74¾; caud. 70—68; culm. 11½—11¼; tars. 20¾—18¾ mm.

There is no difference between Cayenne specimens and others from Bahia and Rio.

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

#### 147. *Elaenia cristata* Pelz.

*Elainea cristata* Pelzeln, *Orn. Bras.* (1868) pp. 107, 177 (descr. specim. ex Goyaz, typ. in Mus. Vindob.).

Cayenne : 1 ♂ ad., October 21; 1 ♂ ad. in much-worn plumage, November 28; 3 ♀♀ ad., October 21, 28, November 15, 1 ♂ juv., November 15, 1902; and 1 ♀ very young, October 13, 1902.

" Iris seal (' dusky,' ' chestnut,' twice in ♀♀), feet slate (' dusky plumbeous '), bill blackish, pale at base of mandible (' dusky, pale at base of mandible ')."

Nos. 102 (very young), 245, 246, 375, 773, 774, 955.

♂♂ ad. : al. 66½, 65; caud. 58½, 53½; culm. 12½, 11¾; tars. 18½, 17¾ mm.

♀♀ ad. : al. 65¾—64¾; caud. 57½—55¼; culm. 12¼—11¾; tars. 18½—17¼ mm.

Cayenne specimens agree with examples from Bahia in Mus. H. v. B.

148. *Elaenia chiriquensis* Lawr.

*Elaenia chiriquensis* Lawrence, *Ann. Lyc. N. H. New York* viii. (1865) p. 177 (typ. ex David, Chiriqui in U.S. Nat. Mus.).

*E. albivertex* autorum.

Cayenne : 4 ♂♂ ad., October 13, November 19, 24 ; 1 ♂ ad. in much-worn plumage and moulting, November 13, and 1 ♀ in worn plumage, November 26, 1902.

"Iris seal, feet slate ('slate black,' 'dusky'), bill blackish, pale at base of mandible" ("dusky, pale at base of mandible").

Nos. 103, 815, 819, 822, 880, 930.

♂♂ ad.: al.  $79\frac{3}{4}$ — $71\frac{1}{2}$ ; caud.  $69\frac{1}{2}$ —59; culm.  $11\frac{1}{4}$ — $9\frac{3}{4}$ ; tars.  $16\frac{1}{2}$ — $15\frac{3}{4}$  mm.

♀ ad.; al.  $69\frac{1}{2}$ ; caud.  $59\frac{1}{2}$ ; culm.  $10\frac{1}{4}$ ; tars.  $15\frac{1}{2}$  mm.

[Oyapoc (coll. Jelski in Mus. Vindob.)? Cayenne (Sclater coll. in Mus. Brit.).]

149. *Elaenia gaimardi guianensis* Berl.

[*Muscicapara Gaimardi* D'Orbigny, *Voy. Am. Mérid. Ois.* (1840) p. 326. (typ. ex Yuracares, Bolivia—in Mus. Paris?).]

*Elaenia gaimardi guianensis* Berlepsch, *Proc. iv. Internat. Orn. Congress* 1905. p. 421. (typ. ex Camacusa, Brit. Guiana in Mus. H. v. B.).

*Elaenia agilis* Bonaparte (nec *M. agilis* Gml.), *Bull. Soc. Lim. Normandie* xii. (1857) p. 35. descr. (Cayenne).

Cayenne : 4 ♂♂ ad., November 1, 26, 27, December 2; 3 ♀♀ ad., October 20, 31, November 1, 1902.

"Iris seal (1 ♀ 'dark sepia'), feet slate ('slate black,' 'slate grey'), 'bill black' (blackish), 'blackish, pale at base of mandible.'"

Nos. 221, 420, 438, 440, 921, 949, 991.

♂♂ ad.: al.  $62\frac{1}{4}$ — $59\frac{1}{2}$ ; caud.  $61\frac{3}{4}$ —52; culm.  $10\frac{3}{4}$ — $10\frac{1}{4}$ ; tars.  $18\frac{3}{4}$ — $16\frac{1}{2}$  mm.

♀♀ ad.: al.  $55\frac{3}{4}$ — $55\frac{1}{4}$ ; caud. 49— $47\frac{1}{2}$ ; culm.  $10\frac{1}{4}$ — $9\frac{3}{4}$ ; tars.  $15\frac{3}{4}$ — $15\frac{1}{4}$  mm.

The Cayenne specimens agree with those from Brit. Guiana.

[Cayenne (Sclater collection in Mus. Brit.—coll. Deplanches—*vide* Bp.).

Oyapoc (Mus. Brit.).]

150. *Elaenia flavivertex* Scl.

*Elaenia flavivertex* Sclater, *P. Z. S.* 1887. p. 49. (typ. ex Upper Ucayali—in Mus. Brit.).

Roche-Marie : 1 ♂ ad., November 7, 1902.

"Iris vandyke brown, feet slate-grey, bill above black, below slate, pale at base." No. 590.

Al.  $62\frac{1}{2}$ ; caud. 60; culm.  $10\frac{3}{4}$ ; tars.  $17\frac{1}{2}$  mm.

This bird agrees with specimens from Munduapo, Orinoco, collected by Mr. Cherrie.

*E. flavivertex* is new to the fauna of Cayenne.

151. *Sublegatus glaber* Scl. & Salv.

*Sublegatus glaber* Sclater & Salvin,\* *P. Z. S.* 1868. p. 171. Pl. xiii. fig. 2. (typ. ex Caracas, Venezuela—in Mus. Brit.).

Ile le Père : 2 ♂♂ ad., October 24, 25 ; 2 ♂♂ juniores, October 23, 25, 1902.

Cayenne : A very young bird marked ♀, October 29, 1902.

\* I have never been able to examine specimens from Punta Arenas, which are described in 1863 by M. O. Salvin under the name *Elaenia arenarum*, and which Hartert and Hellmayr think to be different from *S. glaber*.

"Iris seal ('sepia,' 'vandyke'), feet black ('slate'), bill black ('blackish')."

Nos. 295, 320, 334, 340, 392.

♂♂: al.  $71\frac{1}{2}$ —68; caud.  $65$ — $62\frac{1}{2}$ ; culm.  $10\frac{3}{4}$ — $9\frac{1}{2}$ ; tarsi.  $18\frac{1}{2}$ — $16\frac{1}{2}$  mm.

These Cayenne birds agree perfectly with others from Alta Gracia, Orinoco (coll. Geo. K. Cherrie).

#### 152. *Phaeomyias murina incomta* (Cab. & Heine).

[*Platyrrhynchus murinus* Spix, *Av. Bras.* ii. (1825) p. 14. tab. xii. f. 2. hab. ignot.—hab. typ. substit. Rio Janeiro.]

*Elainea incomta* Cabanis & Heine, *Mus. Hein.* ii. (1859) p. 59 nota (typ. ex Cartagena in Mus. Berol.).

*Phyllomyias semifusca* auctorum.

Cayenne: 13 ♂♂ ad., October 10 (two), 13 (two), 22, 31 (two), November 3 (two), 4, 14, 26, 27; 5 ♀♀ ad., October 14, 18, 20 (two), November 15; 1 juv., November 3, 1902.

Roche-Marie: 3 ♂♂ ad., November 10 (two), 13; 2 ♀♀ ad., November 5, 11, 1902.

Ile le Père: 1 ♂ ad., October 25, 1902.

"Iris seal ('sepia,' 'dusky'), 'feet black' ('slate black,' 'blackish,' 'dusky,' 'dusky plumbeous,' 'slate,' 'slate-black,' 'slate-grey,' bill black ('dusky blackish'), blackish, pale at base of mandible, 'blackish, dusky at base of mandible,' 'dusky pale at base of mandible,' above black, below dusky with blackish tip."

Nos. 23, 49, 97, 104, 130, 197, 228, 230, 266, 341, 411, 418, 487, 496, 497, 541, 672, 673, 702, 750, 758, 811, 929, 945, 1011.

♂♂ ad.: al.  $59\frac{3}{4}$ —56; caud.  $57\frac{1}{2}$ —49; culm.  $10\frac{1}{2}$ — $8\frac{3}{4}$ ; tarsi.  $18\frac{3}{4}$ — $16\frac{3}{4}$  mm.

♀♀ ad.: al. 56—52; caud.  $52\frac{1}{2}$ — $45\frac{3}{4}$ ; culm.  $9\frac{1}{2}$ — $8\frac{3}{4}$ ; tarsi.  $17\frac{1}{2}$ — $15\frac{3}{4}$  mm.

As a rule the Cayenne birds have shorter wings and show the abdomen more strongly washed with pale yellow than specimens from Sta. Marta, with which I have compared them. Nevertheless, some specimens from both localities agree very well together.

[Oyapoc (coll. Jelski in Sclater collection, Mus. Brit.).]

#### [153. *Tyranniscus gracilipes* Scl. & Salv.

*Tyranniscus gracilipes* Sclater & Salvin, *P. Z. S.* 1867. p. 981. (typ. ex Pebas, Peru or.—in Mus. Brit.).

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

#### 154. *Tyrannulus elatus* (Lath.).

*Sylvia elata* Latham, *Ind. Orn.* ii. (1790) p. 549. (ex Buffon & Daubenton, typ. ex Cayenne).

Cayenne: 3 ♂♂ ad., October 18 (two), November 21; 1 ♀ ad., October 20, 1902.\*

"Iris seal, feet slate, bill black."

Nos. 187, 188, 233, 843.

♂♂ ad.: al.  $50\frac{1}{2}$ —49; caud. 44— $40\frac{3}{4}$ ; culm. 7— $6\frac{3}{4}$ ; tarsi.  $12\frac{1}{2}$ — $11\frac{3}{4}$  mm.

♀ ad.: al. 48; caud.  $39\frac{3}{4}$ ; culm.  $6\frac{3}{4}$ ; tarsi.  $12\frac{3}{4}$  mm.

[Oyapoc (coll. Jelski in Sclater collection and Salvin & Godman collection in Mus. Brit.—in Mus. Vindob. ex Becoeur.)]

\* There is no difference in coloration between specimens from Cayenne, Brit. Guiana, Para, and Colombia (Bogota collections), but the latter as a rule have rather longer wings and tails.

[155. *Ornithion inerme* Hartl.

*Ornithion inerme* Hartlaub, *Journ. f. Orn.* 1853. p. 35 (loc. inc.—habit. typ. substit. Bahia—  
autoribus Berl. & Hart.).

Oyapoc (coll. Jelski in Sclater collection, Mus. Brit.).]

156. *Ornithion pusillum* (Cab. & Heine).

*Myiopatis pusilla* Cabanis & Heine, *Mus. Hein.* ii. (1859) p. 58. Anm. 2 (typ. ex Cartagena in Mus.  
Berol.).

Cayenne : 2 ♂♂ ad., November 24, 27; 2 ♀♀ ad., November 25, 27, 1902.

Roche-Marie : 2 ♂♂ ad., November 8, 12, 1902.

“Iris seal (‘lemon-yellow’), feet slate-grey (‘greyish’), bill black (‘blackish’),  
pale at base of mandible.”

Nos. 626, 736, 883, 902, 946, 947.

♂♂ ad. : al.  $51\frac{1}{2}$ —49; caud.  $41\frac{1}{2}$ — $37\frac{3}{4}$ ; culm.  $9\frac{1}{2}$ — $8\frac{1}{4}$ ; tars. 14— $13\frac{1}{2}$  mm.

♀♀ ad. : al. 47— $46\frac{1}{2}$ ; caud.  $34\frac{1}{2}$ —34; culm. 9— $8\frac{3}{4}$ ; tars. 13— $12\frac{1}{4}$  mm.

These Cayenne birds agree perfectly with the type from Cartagena, with which  
I have compared it.

[Oyapoc (Jelski leg. in Sclater collection, Mus. Brit.).]

157. *Mionectes oleagineus* (Licht.).

*Muscicapa oleaginea* Lichtenstein, *Verz. Doubl.* (1823) p. 55 (typ. ex Bahia in Mus. Berol.).

Roche-Marie : 2 ♂♂ ad., November 12, 13, 1902.

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

“Iris seal, feet greyish flesh (‘drab grey’), bill black, dusky at base of  
mandible.”

Nos. 734, 755, 13056.

♂♂ ad. : 61—57; caud. 48— $46\frac{1}{2}$ ; culm.  $10\frac{3}{4}$ —10; tars.  $13\frac{3}{4}$  mm.

♀ ad. : al.  $61\frac{1}{2}$ ; caud.  $47\frac{1}{2}$ ; culm. —; tars.  $14\frac{3}{4}$  mm.

Cayenne specimens agree with a Bahia skin in Mus. H. v. B. They are  
perhaps a little darker on the upper parts, and have slightly shorter wings.

[Cayenne (Sclater collection in Mus. Brit.—Mus. Hein.).]

FAMILY PIPRIDAE.\*

[158. *Xenopipo atronitens* Cab.

*Xenopipo atronitens* Cabanis, *Wieg. Arch. f. Natg.* xiii. Pt. i. (1847) p. 235 (typ. ex Brit. Guiana,  
coll. Schomburgk).

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

159. *Pipra aureola* (Linn.).

*Parus Aureola* Linne, *Syst. Nat.* ed. x. 1. (1758) p. 191 (ex. Edw. Pl. 83. f. 2.—loc. ignot.—habit.  
substit. Surinam).

Cayenne : 7 ♂♂ ad., October 16, 17, November 1, 2 (two), 3, 4; 2 ♂♂ juv. (in  
the green plumage of the young with a few red feathers appearing on the head and

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

1. *Piprites chlorion* Cab. Brit. Guiana—Lower Amazons.

2. *Ceratopipra cornuta* (Spix). Brit. Guiana—Rio Negro.

3. *Pipra brachyura* (Scl. & Salv.). Brit. Guiana (*P. virescens*—Lower Amazons).

breast), November 1, December 11 ; 9 ♀♀ ad., October 14, 17, 18, 20, 21 (two), 31, November 1, 3, 1902.

Roche-Marie, Cayenne : 1 ♂ ad., November 11 ; 1 ♀ ad., November 7, 1902.

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

“ Iris cream-colour, feet dusky purple (♀♀ dusky grey), bill above blackish, below dusky slate (♀♀ above blackish, below dusky greyish, blackish, reddish grey at base of mandible, blackish, greyish at base of mandible).”

Nos. 113, 152, 160, 161, 202, 229, 253, 259, 412, 431, 432, 433, 454, 455, 494, 495, 511, 593, 705, 1125, 1126.

♂♂ ad. : al.  $64\frac{3}{4}$ — $62\frac{1}{2}$  ; caud.  $28\frac{1}{2}$ — $25\frac{1}{2}$  ; culm.  $12\frac{1}{2}$ — $11\frac{1}{2}$  ; tars.  $15\frac{3}{4}$ — $14\frac{3}{4}$  mm.

♀♀ ad. : al.  $64\frac{1}{2}$ — $60\frac{1}{2}$  ; caud.  $31\frac{1}{2}$ — $28\frac{1}{2}$  ; culm.  $12$ — $11\frac{1}{4}$  ; tars.  $14\frac{3}{4}$ — $14\frac{1}{2}$  mm.

[Cayenne (Sclater collection and Salvin & Godman collection in Mus. Brit., coll. Deplanches—*fide* Bp., Mus. Hein.).]

#### 160. *Pipra erythrocephala* (Linn.).

*Parus erythrocephalus* Linne, *Syst. Nat.* ed. x. i. (1758) p. 191 (ex Edwards, typ. ex Surinam).

*Pipra auricapilla* Licht.

Ipousin, R. Approuague : 1 ♂ ad., December 30 ; 2 ♀♀ ad., December 29, 1902, January 7, 1903.

♂ ad. : “ Iris cream, feet dusky flesh, bill above pale dusky, below whitish.”

♀♀ ad. : “ Iris sepia (dark dusky grey), feet greyish (drab brown), bill above clove brown, below pale horny white.”

Nos. 12886, 12912, 13041.

♂ ad. : al.  $55\frac{1}{2}$  ; caud.  $20\frac{1}{2}$  ; culm.  $7\frac{3}{4}$  ; tars.  $12\frac{1}{2}$  mm.

♀♀ ad. : al.  $56\frac{3}{4}$  ; caud.  $27$ — $21\frac{3}{4}$  ; culm.  $9\frac{3}{4}$  ; tars.  $13\frac{1}{4}$  mm.

Nos. 12912, 12886, 13041.

[Cayenne (Sclater collection in Mus. Brit., coll. Deplanches (*fide* Bp.), Mus. Hein., Mus. H. v. B.).]

The adult male agrees with others from the Merumé Mts. (Brit. Guiana) and Maipures (Orinoco).

#### 161. *Pipra leucocilla* Linn.

*Pipra leucocilla* Linne, *Mus. Ad. Frid.* ii. *Prodr.* (1764) p. 33 (loc. ign.—hab. substit. Surinam aut. Berl. & Hart.).

Ipousin, R. Approuague : 2 ♂♂ ad., December 31, 1902, January 2, 1903.

“ Iris carmine, feet slate (‘ slate-black ’), bill black (‘ above black, below slate-grey ’).”

Nos. 12935, 12969.

Al.  $62\frac{1}{4}$ — $60\frac{1}{2}$  ; caud.  $26\frac{3}{4}$ — $25\frac{1}{2}$  ; culm.  $10\frac{3}{4}$ — $10\frac{1}{4}$  ; tars.  $14\frac{1}{2}$ — $13\frac{3}{4}$  mm.

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

#### 162. *Pipra serena* Linn.

*Pipra serena* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 340 (ex Briss.—hab. in Cayana, Surinamo.—hab. typ. select. Cayenne ex. Briss.).

Ipousin, R. Approuague : 2 ♀♀, December 26, 30, 1902.

“ Iris light seal, feet slate, bill above black, below slate-black.”

♀♀ : al.  $56\frac{1}{2}$ — $53\frac{3}{4}$  ; caud.  $28$ — $27$  ; culm.  $9\frac{3}{4}$ — $9\frac{1}{2}$  ; tars.  $15\frac{1}{2}$ — $14\frac{3}{4}$  mm.

Nos. 12852, 12915.

[Cayenne (Sclater collection and Salvin & Godman collection in Mus. Brit., coll. Deplanches (*fide* Bp.), Mus. Hein., Mus. v. B.).]

[163. *Pipra gutturalis* Linn.]

*Pipra gutturalis* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 340 (ex Briss.—“hab. in America”—hab. typ. substit. Cayenne).

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

164. *Chiroxiphia pareola* (Linn.).

*Pipra Pareola* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 339 ex Briss., Edw. & Marcgr.—hab. “Brazil and Cayana”—hab. typ. select. Brasil or. ex Marcgr.).

Cayenne : 5 ♂♂ ad., October 21 (two), November 14 (three), 1 “♂” not quite adult, October 21 ; 1 ♂ jr. in transition plumage, November 8 ; 2 ♂♂ juv. (green with red crest) October 21, November 26, 1902.

Roche-Marie, Cayenne : 4 ♂♂ ad. November 6 (three), 11 ; 2 ♂♂ juv. (green with red crest) November 6, 8, 1902.

“Iris seal (3 ♂♂ juv. : ‘Iris dark chestnut’), feet orange (2 ♂♂ juv. : ‘feet reddish flesh-colour,’ 1 ♂ juv., ‘feet dusky orange’), bill black.”

Nos. 240, 241, 242, 243, 553, 554, 555, 556, 629, 630, 717, 762, 763, 764, 916.

♂♂ ad. : al.  $74\frac{1}{2}$ — $70\frac{3}{4}$  ; caud.  $36\frac{1}{2}$ — $32\frac{1}{2}$  ; culm.  $11\frac{1}{4}$ — $10\frac{1}{2}$  ; tars.  $19\frac{1}{2}$ — $18\frac{1}{2}$  mm.

The Cayenne specimens are apparently not distinguishable from Bahia—examples in Mus. H. v. B.

165. *Chiromachaeris manacus* (Linn.).

*Pipra Manacus* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 340 (ex Edwards—typ. ex Surinam).

Cayenne : 4 ♂♂ ad., October 17, 22, November 3, 15 ; 2 ♀♀ ad., October 17, 21, 1902.

Roche-Marie, Cayenne : 8 ♂♂ ad. November 6, 11 ; 3 ♂♂ juv. (in the green plumage of the female), November 6 (two), 11 ; 1 “♀,” December 21, 1902.

Ipousin, R. Approuague : 2 ♂♂ ad., January 7 (two), 1903.

“Iris sepia, feet dusky orange (1 ♀ orange), bill above black, below plumbeous (‘above black, below slate-black,’ ‘above black, dusky below,’ ‘above black, below greyish slate’).”

Nos. 162, 163, 257, 285, 493, 562, 563, 564, 565, 566, 567, 568, 569, 570, 695, 716, 789, 12783, 13042, 13043.

♂♂ ad. : al. 54—51 ; caud.  $32\frac{1}{2}$ — $29\frac{3}{4}$  ; culm.  $11\frac{1}{4}$ — $9\frac{1}{2}$  ; tars.  $20\frac{3}{4}$ — $19\frac{1}{2}$  mm.

♀♀ ad. : al. 54—52 ;  $32\frac{1}{2}$ —29 ; culm.  $12\frac{1}{2}$ — $10\frac{3}{4}$  ; tars.  $20\frac{1}{2}$ — $18\frac{1}{2}$  mm.

[Cayenne (Sclater collection in Mus. Brit., coll. Deplanches *vide* Bp., Mus. H. v. B.).]

166. *Neopipo cinnamomea* (Lawr.).

*Pipra* (?) *cinnamomea* Lawrence, *Proc. Ac. N. Sc. Philada*, 1868, p. 429 (hab. “The Upper Amazon”—typ. in Mus. Lawrence, nunc *Am. Mus. N. H. New York*).

Ipousin, R. Approuague : 1 “♂” (?) (ad.) December 29, 1902.

“Iris seal, feet slate-grey, bill above dusky, below pale.” No. 12889.

Al.  $50\frac{1}{2}$  ; caud. 36 ; tars.  $12\frac{3}{4}$  mm.

This species has not yet been recorded as being found in Cayenne.

[167. **Scotothorus amazonum wallacei** (Scl. & Salv.).

(*Heteropelma amazonum* Sclater, *P.Z.S.* 1860. p. 466 (typ. ex Chamicuros, Huallaga in Mus. Brit.).  
*Heteropelma wallacei* Sclater & Salvin, *P.Z.S.* 1867. pp. 579, 595 (typ. ex Pará in Mus. Brit.).

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

[168. **Scotothorus igniceps** (Scl.).

*Heteropelma igniceps* Sclater, *P.Z.S.* 1871. p. 750 (typ. ex Oyapoc, Cayenne in Mus. Brit.).

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

[169. **Schiffornis major** Desmurs.

*Schiffornis major* Desmurs (ex Bp.) in Casteln. *Voy. Ois.* (1855) p. 66. Pl. 18. fig. 2 (hab. Sarayaçu, Peruv. or., typ. in Mus. Paris).

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

[170. **Heterocercus flavivertex** Pelz.

*Heterocercus flavivertex* Pelzeln, *Zur Orn. Bras.* (1868) pp. 125, 186 (typ. select. ex Rio Negro—Mus. Vindob.).

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

? [171. **Heterocercus luteocephalus** (Less.).

*Muscicapa luteocephala* Lesson, *Traité d'Orn.* (1831) p. 392 (loc. inc.—an ex Cayenne?).

Cf. Hellm. *Nov. Zool.* xiii. (1906) p. 327.]

FAMILY COTINGIDAE.\*

172. **Tityra cayana** (Linn.).

*Lanius cayanus* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 137 (ex Briss.—Cayenne).

Roche-Marie, Cayenne: 1 “♂” juv. in the dress of the ♀, November 8, 1902.

“Iris seal, feet plumbeous slate, bill basal Indian purple, tip of bill above black, below slate, bare space about eye maroon-purple.” No. 636.

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

? [173. **Tityra semifasciata** (Spix).

*Pachyrhynchus semifasciatus* Spix, *Av. Bras.* ii. (1825) p. 32. tab. xlv. fig. 2 (hab. in prov. Pará—typ. in Mus. Monac.).

? Oyapoc (Sclater collection “♀” in Mus. Brit.)]

\* The following five species of *Cotingidae* not recorded from Cayenne may occur there:

1. *Pachyrhynchus griseigularis* Scl. & Salv. Roraima (*P. viridis*—Bahia).
2. *Pachyrhynchus castaneus* (Jard. & Selby). Venezuela—Bahia.
3. *Lipau us simplex* (Licht.). Brit. Guiana—Orinoco—Bahia.
4. *Indopleura isabellae* Parzud. Rio Tocantins (*I. leucopygia* Salv. Brit. Guiana).
5. *Crasmorhynchus variegatus* (Gml.). Venezuela—Brazil (Maranhão).

174. *Tityra inquisitor erythrogenys* (Selby).

[*Lanius inquisitor* Lichtenstein, *Verz. Dubl.* (1823) p. 50 (S. Paulo, Mus. Berol.).]

*Psaris erythrogenys* Selby, *Zool. Journ.* ii. (1826) p. 483 (descr. ♀ typ. ex Pernambuco).

Cayenne: 1 "♂" ad., October 17, 1902.

"Iris seal, feet dusky plumbeous, bill above black, below plumbeous."

No. 176.

Al. 101; caud. 61½; culm. 23; tars. 18¾ mm.

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

[175. *Hadrostomus minor* (Less.).

*Querula minor* Lesson, *Traité d'Orn.* (1831) p. 363 (descr. ♂ juv. ex Cayenne—coll. M. Martin).

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

176. *Pachyrhamphus niger* (Spix).

*Pachyrhynchus niger* Spix, *Av. Bras.* ii. (1825) p. 33. tab. xlv. fig. 1 (loc. ignot., habit. substit. Fonteboa, aut Hellmayr).

Cayenne: 3 "♂♂" ad., October 13, November 14, 26. 1 "♂" jr. in transition plumage, December 4; 3 "♂♂" juv. (in the dress of the female), November 25, 29, December 4; 2 ♀♀, November 26, 29, 1902.

"Iris seal, feet slate ('slate-grey,' 'dusky plumbeous'); bill, ♂♂ ad. plumbeous, tip of maxilla blackish, plumbeous grey, extreme tip blackish, above bright plumbeous, below slate-grey." ♂ jr.: "bill mottled black and plumbeous." ♀♀ and ♂♂ juv.: "bill dusky blackish (above black, below blackish, pale at tip and base, above grey, at base dusky at centre and tip, below pale," "above black, below mottled blackish and horn-colour."

Nos. 93, 71, 900, 919, 920, 975, 988, 1009, 1010.

♂♂ ad.: al. 74¾—73½; caud. 60—53; culm. 16¾—15¾; tars. 18½ mm.

♀♀ ad.: 75—68½; caud. 59—54½; culm. 15¾—14½; tars. 18½—17½ mm.

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

Specimens from Cayenne, Orinoco, Pto. Cabello, Bogota, are apparently of one and the same form. I have not yet examined specimens from Fonteboa (true *niger*), but if they are different, as Hellmayr thinks, then the northern form should perhaps be called *P. niger atricapillus* (Merrem), typ. ex Surinam. I find there is much individual variation in the coloration of the lower back.

177. *Pachyrhamphus cinereus* (Bodd.).

*Pipra cinerea* Boddaert, *Tabl. Pl. Enl.* (1783) p. 43 (ex Daubent. Pl. 687. fig. 1—ex Cayenne).

*Muscicapa rufa* Bodd.?

*Pipra atricapilla* Gml.

Cayenne: 1 "♀" ad., October 11, 1902.

Approuague: 2 "♂♂" ad., December 6, 13, 1902.

"Iris seal, feet slate-grey, bill plumbeous, tip of maxilla black." (♀ "bill above black, below plumbeous.")

Nos. 29, 1022, 12698.

♂♂ ad.: al. 70½—67; caud. 52—49¾; culm. 13¾; tars. 17¾—17½ mm.

♀ ad.: al. 66; caud. 47; culm. 14¼; tars. 17½ mm.

[Cayenne (Sclater collection, coll. Jelski, Salvin & Godman collection in Mus. Brit., Mus. Hein.).]

[178. **Pachyrhamphus marginatus** (Licht.).

*Tadus marginatus* Lichtenstein, *Verz. Doubl.* (1823) p. 51 (descr. ♀ ex Bahia in Mus. Berol.). \*  
*T. atricapillus* aut., nec Merrem.

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

[179. **Pachyrhamphus surinamus** (Linn.).

*Muscicapa surinama* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 137 ("hab. Surinami").

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

180. **Lathria cinerea** (Vieill.).

*Ampelis cinerea* Vieillot, *Nouv. Dict.* viii. (1817) p. 162 (ex Levaillant—typ. ex Cayenne).

Ipousin, R. Approuague : 5 ♂♂ ad., December 27 (two), 1902, January 1 (three), 1903.

Regina, R. Approuague : 1 ♀ ad., December 21, 1902.†

"Iris dark grey, feet greenish grey, bill black, smoke-grey at base of mandible."

Nos. 12782, 12863, 12864, 12941, 12942, 12943.

♂♂ ad. : al. 127½—121; caud. 112½—109; culm. 23¼—22¼; tars. 21½—20½ mm.

♀ ad. : al. 116; caud. 109; culm. 22¾; tars. 22 mm.

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

[181. **Lipaugus immundus** ScL. & Salv.

*Lipaugus immundus* Sclater et Salvin, *Nomencl. Av. Neotr.* (1773) pp. 57, 159 (typ. ex Oyapoc, Cayenne in Mus. Brit.‡)

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

182. **Laniocera hypopyrrha** (Vieill.).

*Ampelis hypopyrra* Vieillot, *Nouv. Dict. d'Hist. Nat.* viii. (1817) p. 164 (hab. La Guyane, sc. Cayenne).

Ipousin, R. Approuague : 1 ♂ imm., December 28, 1904.

"Iris dusky sepia, feet slate-grey, bill black, dusky at base of mandible, eyelids chrome-yellow." No. 12880.

Al. 106½; caud. 87; culm. 18½; tars. 18½ mm.

[Cayenne (*fide* Vieillot).]

183. **Attila brasiliensis** Less.

*Attila brasiliensis* Lesson, *Traité d'Orn.* (1831) p. 360 ("du Brésil," rectius Cayenne, autore Pucheran & Hellm.) Hellmayr *Nov. Zool.* xiii. (1906) p. 328.

*A. uropygialis* Cab.

Roche-Marie, Cayenne : 1 ♂ ad., November 12, 1902. "Iris clay-colour, feet slate-grey, bill blackish, pale at base of mandible." No. 733.

♂ : al. 85; caud. 63¾; culm. 22½; tars. 22½ mm.

This bird differs from my specimens from Brit. Guiana (coll. Whitely) and

\* The type specimen in the Berlin Museum has been examined by me.

† Specimens from Brit. Guiana and Bahia (*plumbea* Licht.) agree perfectly with the Cayenne birds, but specimens from the Middle Orinoco collected by G. K. Cherrie are of a rather darker and purer ashy-grey coloration.

‡ Mr. Hellmayr tells me that he has examined the type of *L. immundus* in the British Museum, and found it quite distinct from *L. simplex*, resembling in coloration somewhat *Myiarchus phaeonotus* Salv. & Godm.

the Orinoco Delta in having the throat and breast dark grey, with whitish lateral margins to the feathers, without any greenish and yellowish admixture (but see Hellmayr, *Nov. Zool.* xiii. 1906. p. 329).

[184. **Attila spadiceus** (Gml.).

*Muscicapa spadicea* Gmelin, *Syst. Nat.* ed. xiii. i. (1788) p. 937 (ex Latham—hab. Cayenne).

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

185. **Attila thamnophiloides** (Spix).

*Muscicapa thamnophiloides* Spix, *Av. Bras.* ii. (1825) p. 19. Pl. 26. fig. 1 (hab. "in loc. sylv. fl. Amazonum," typ. in Mus. Monac.).

Cayenne: 1 ♂ ad., December 4, 1902.

Approuague: 3 ♂ ad., December 8, 10, 13; 1 ♀ ad., December 12, 1902.

"Iris seal ('drab'), feet grey (plumbeous), bill black."

Nos. 1018, 1063, 1098, 1132, 12697.

Cayenne specimens agree with a bird from Borba on the Madeira (*fide* Hellmayr).

♂ ad.: al. 95—91½; caud. 90¾—81½; culm. 22—20½; tars. 23¾—22 mm.

♀: al. 90½; caud. 82½; culm. 21; tars. 22¾ mm.

[Cayenne (Sclater collection in Mus. Brit., coll. Deplanches (*fide* Bp.).]

[186. **Phoenicocercus carnifex** (Linn.).

*Lanius carnifex* Linne, *Syst. Nat.* ed. x. i. (1758) p. 94 (ex Edw. typ. ex Surinam).

Cayenne (Sclater collection and Salvin & Godman collection in Mus. Brit., coll. Deplanches (*fide* Bonap.), Mus. H. v. B.).]

[187. **Rupicola rupicola** (Linn.).

*Pipra Rupicola* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 338 (ex Briss. & Edw.—hab. Surinam, Guiana; hab. select. Cayenne).

Cayenne (Sclater collection and Salvin & Godman collection and coll. Rothery in Mus. Brit., Mus. H. v. B.).]

[188. **Cotinga cotinga** (Linn.).

*Ampelis Cotinga* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 298 (ex Briss. typ. ex Brasil).

Cayenne (coll. Rothery in Mus. Brit., coll. Deplanches (*fide* Bp.).]

[189. **Cotinga cayana** (Linn.).

*Ampelis cayana* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 298 (ex Briss. hab. Brasil. et Cayenne, habit. select. Cayenne ex Briss.).

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

[190. **Xipholena pompadora** (Linn.).

*Ampelis Pompadora* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 298 (ex Briss. hab. Cayenne).

Cayenne (Sclater collection and Salvin & Godman collection and coll. Rothery in Mus. Brit., coll. Deplanches (*fide* Bonap.), Mus. Hein.).]

[191. *Iodopleura fusca* (Vieill.).

*Ampelis fusca* Vieillot, *Nouv. Dict.* viii. (1817) p. 162 (hab. "Brésil"—errore!—hab. substit. Cayenne).

Cayenne (Sclater collection in Mus. Brit.)]

[192. *Haematoderus militaris* (Lath.).

*Coracias militaris* Latham, *Ind. Orn. Suppl.* (1802) p. xxvii.

Cayenne (Sclater collection and Salvin & Godman collection in Mus. Brit., coll. Deplanches (*vide* Bp.).]

193. *Querula purpurata* (Müll.).

*Muscicapa purpurata* P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 169. no. 29 (ex Daubent. *Pl. Enl.* 381—hab. Cayenne).

Iposuin, R. Approuague : 1 ♂ ad., December 29, 1902.

"Iris vandyke brown, feet slate-black, bill plumbeous, extreme tip maxilla blackish." No. 12900.

Al. 176; caud. 120; culm.  $26\frac{3}{4}$ ; tars.  $22\frac{3}{4}$  mm.

[Cayenne (Sclater collection in Mus. Brit.), coll. Deplanches (*vide* Bp.), Mus. Hein.]

[? 194. *Cephalopterus ornatus* Geoffr.

*Cephalopterus ornatus* Is. Geoffr. *Ann. d. Mus.* xiii. (1809) p. 17 (loc. incert.—hab. substit. Cayenne, aut. Berl. & Hart.).

Cayenne (Is. Geoffr. ?).]

195. *Calvifrons calvus* (Gml.).

*Corvus tricolor* Müll. (1783) descr. falsa!

*Corvus calvus* Gmelin, *Syst. Nat.* ed. xiii. i. (1788) p. 372 (ex Buff. & Daubent. *Pl. Enl.* 521—hab. Cayenne).

Iposuin, R. Approuague : 1 ♂ ad., December 27, 1902.

"Iris seal, feet slate-grey, bill above blackish, below slate-grey with greenish wash." No. 12858.

Al.  $215\frac{1}{2}$ ; caud. 106; tars.  $42\frac{1}{2}$  mm.

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

[196. *Gymnoderus foetidus* (Linn.).

*Gracula foetida* Linne, *Syst. Nat.* ed. xii. i. (1766) p. 164 ("hab. America—Rolander"—hab. typ. substit. Surinam (aut. Berl. & Hart.).

Cayenne (Salvin & Godman collection in Mus. Brit., coll. Deplanches, *vide* Bp.).]

[197. *Chasmorhynchus niveus* (Bodd.).

*Ampelis nivea* Boddaert, *Tabl. Pl. Enl.* (1783) p. 49 (ex Daubenton, *Pl. Enl.* 793. hab. Cayenne).

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

FAMILY *DENDROCOLAPTIDAE*.\*198. *Synallaxis albescens albigularis* Scl.

[*Synallaxis albescens* Temminck, *Pl. Col.* (1823) tab. 227. f. 2 ("Brésil," habit. typ. subst. S. Paulo).]  
*Synallaxis albigularis* Sclater, *P. Z. S.* 1858. p. 63 (typ. ex Rio Napo).

Cayenne : 4 ♀♀ ad., October 14, 19, 31, November 2, 1902.

Roche-Marie : 3 ♂♂ ad., November 5, 8, 11 ; ad. without indication of sex, November 11, 1902.

Approuague : 1 ♂ juv., December 17, 1902.

"Iris grey, feet dusky olive-green ('horn-colour washed with olive-green'), bill above blackish, below plumbeous grey."

♂♂ ad. : al. 56—54½ ; caud. 77½—73 ; culm. 13¼—12½ ; tars. 19½—18¾ mm.

♀♀ ad. : al. 54—52½ ; caud. 77¾—60 ; culm. 13¼—12 ; tars. 19½—19 mm.

Nos. 125, 379, 413, 464, 538, 637, 696, 697, 12753.

These specimens are generally more brownish on the back and have shorter wings and smaller bills than specimens found in Bogotá collections.

199. *Synallaxis gujanensis* (Gml.).

[*Motacilla gujanensis* Gmelin, *Syst. Nat.* ed. i. 1 (1788) p. 988 (ex Buff. et Daubenton, *Pl. Enl.* 686. f. 2—typ. ex "Gujana" sc. Cayenne).

Cayenne : 3 ♂♂ ad., October 28, November 14, 24 ; 1 ♀ ad., October 29 ; 1 ♀ juv., October 31 ; 2 ad. without indic. of sex, November 2, December 4, 1902.

Roche-Marie : 1 ♂ ad., November 5, 1902.

Approuague : 1 ♂ ad., December 8, 1 ♀ ad., December 12, 1902.

[Cayenne (coll. Jelski ; Salvin & Godman collection in Mus. Brit.).]

"Iris hazel, feet grey (slate-grey), bill black, plumbeous below (above black, below plumbeous with blackish tip)."

♂♂ ad. : al. 61½—58½ ; caud. 76¾—72½ ; culm. 14½—13¾ ; tars. 21¾—20¾ mm.

♀♀ ad. : al. 59—54½ ; caud. 66½—64½ ; culm. 14½—12½ ; tars. 21¾—21½ mm.

Nos. 370, 383, 416, 468, 539, 760, 881, 1014, 1053, 1135.

Bogotá specimens have the under-parts rather more whitish, with but a slight greyish brown suffusion on the upper breast.

200. *Synallaxis cinnamomea* (Gml.).

*Certhia cinnamomea* Gmelin, *Syst. Nat.* ed. i. 1 (1788) p. 480 (ex Latham, loc. inc., habit. typ. substit. Cayenne).

Cayenne : 2 ♂♂ ad., October 11, 13, 1902.

"Iris hazel, feet grey, bill above black, below plumbeous with blackish tip."  
 Nos. 65, 90.

♂♂ ad. : al. 61—58½ ; caud. 69½—65½ ; culm. 15—14½ ; tars. 20¾—19 mm.

These birds agree best with specimens from Bahia, Brazil.

\* The following species of *Dendrocolaptidae* not yet known from Cayenne are likely to occur there :

1. *Furnarius leucopus* Sws. Brit. Guiana—Rio Branco.
2. *Lochmias nematura* Licht. Brit. Guiana—Brazil.
3. *Synallaxis frontalis* Pelz. Bahia—Colombia (*elegantior*).
4. *Automolus turdinus* (Pelz.). Brit. Guiana—Brazil.
5. *Philydor rufipileatus* Pelz. Pará—Orinoco.
6. *Sittasomus olivaceus amazonus* Lafr. Brit. Guiana—Bahia (*olivaceus*).
7. *Picolaptes albolineatus* (Lafr.). Brit. Guiana—near Pará (*P. layardi*).
8. *Xiphocolaptes* sp. ?
9. *Dendrocincla longicauda* Pelz. Brit. Guiana—Surinam—Brazil.

[201. *Synallaxis rutilans* Tem.

*Synallaxis rutilans* Temminck, *Pl. Col.* (1823) tab. 227. fig. 1 (typ. ex "Brésil"—hab. typ. substit. Rio Negro).

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

202. *Siptornis gutturata* (Lafr. & D'Orb.).

*Anabates gutturatus* Lafresnaye et D'Orbigny,\* *Syn. Av.* ii. in *Mag. Zool.* ii. Cl. ii. (1838) p. 14 (typ. ex Yuracares, Bolivia—in Mus. Paris).

*Synallaxis hyposticta* Pelzeln, 1859.

Ipousin, R. Approuague: 1 ♀ ad., December 26, 1902.

"Iris tawny olive, feet dusky oil-green, bill above dusky olive, below slate."

No. 12840.

Al. 65; caud.  $56\frac{1}{2}$ ; culm.  $14\frac{1}{2}$ ; tars.  $16\frac{1}{2}$  mm.

The Cayenne bird agrees with specimens from Munduapo, on the Orinoco; the under-parts are perhaps a little more rufescent. The species is new to the fauna of Cayenne.

203. *Automolus infuscatus cervicalis* (Scl.).

[*Anabates infuscatus* Sclater, *Ann. & Mag. N. H.* ser. 2. xvii. (1856) p. 468. "in Peruvia orientali," habit. typ. select. Barra do Rio Negro (coll. Natterer in Mus. Vindob.).]

*Philydor cervicalis* Sclater,† *P.Z.S.* 1839. p. 33 (ex Brit. Guiana, hab. typ. select. Camacusa in Mus. Brit.).

*A. sclateri* aut.

Ipousin, R. Approuague: 1 ♂ ad., December 25; 2 ♀♀ ad., December 24, 1902, January 2, 1903; 1 ♂ (juv.) January 1, 1903.

"Iris seal, feet greyish sage-green ('sage-green'), bill above olive-brown (dusky olive), below greenish olive."

Nos. 12797, 12815, 12953, 12972.

♂ ad.: al.  $88\frac{1}{2}$ ; caud.  $73\frac{1}{2}$ ; culm.  $20\frac{3}{4}$ ; tars.  $20\frac{3}{4}$  mm.

♀♀ ad.: al.  $87\frac{1}{2}$ — $86\frac{1}{2}$ ; caud.  $74\frac{1}{2}$ — $72\frac{1}{2}$ ; culm.  $20\frac{3}{4}$ — $20\frac{1}{2}$ ; tars.  $21\frac{1}{2}$ — $20\frac{1}{2}$  mm.

Cayenne specimens agree best with the birds from Caura, Orinoco.

204. *Automolus obscurus* (Pelz.).

*Anabates obscurus* Pelzeln, *Sitzungsber. Ak. Wissensch. Wien math.-natw.* Cl. xxxiv. 2. (1859) p. 110. Anm. (typ. ex Cayenne—Mus. Vindob.).

Ipousin, R. Approuague: 1 ♀ ad., January 2, 1905.

"Iris seal, feet dusky grey, bill blackish, dusky below." No. 12965.

Al.  $78\frac{1}{2}$ ; caud. 71; culm.  $20\frac{1}{2}$ ; tars.  $23\frac{1}{2}$  mm.

The single specimen of this rare species collected by Mr. Cherrie agrees with Pelzeln's type in the Vienna Museum, with which I have compared it. It only differs in having the reddish brown of the throat a little paler (not so reddish) and not extended over the upper breast. The abdomen is also a little paler, more olivaceous, less brownish. The upper parts are somewhat darker, more blackish; the upper tail-coverts are of a somewhat darker chestnut. The rufous brown of the under tail-coverts is more intense.

\* Cf. Meneg. & Hellm., *Mém. Soc. d'Hist. nat. d'Autun* xix. (1906) p. 36.

† Cf. Hellmayr, *Nov. Zool.* 1906. p. 335.

*A. obscurus* (Pelz.) is apparently a near ally of *A. rubiginosus* Scl. from Central America, but is smaller, with a much shorter tail, and differs somewhat in coloration.

[Cayenne (Mus. Vindob.).]

205. *Philydor ruficaudatus* (Lafr. & D'Orb.).

*Anabates ruficaudatus* Lafresnaye et D'Orbigny, *Syn. Av. ii.* in *Mag. Zool.* 1838. p. 15 (typ. ex Yuracares, Bolivia, in Mus. Paris).

Approuague : 1 ♂ ad., December 10, 1902.

"Iris wood-brown, feet sage-green, bill above slate-black, below dusky pea-green." No. 1094.

Al. 89 ; caud.  $72\frac{1}{2}$  ; culm.  $15\frac{3}{4}$  ; tars.  $20\frac{1}{2}$  mm.

The specimen collected by Mr. Cherrie agrees perfectly with topotypical specimens from Bolivia in Mus. H. v. B. *Ph. ruficaudatus* had not yet been recorded from Cayenne.

206. *Philydor erythrocerus* (Pelz.).

*Anabates erythrocerus* Pelzeln, *Sitzungsber. Akad. Wien xxxiv.* (1859) p. 105 (" Brasilia "—viz. Barra do Rio Negro—typ. in Mus. Vindob.).

Ipousin, R. Approuague : 4 ♂♂ ad., December 25, 27, 28, 1902, January 2, 1903 ; 3 ♀♀ ad., December 25, 1902.

"Iris seal, feet sage-green, bill above clove-brown ('brown'), below pale."

Nos. 12811, 12812, 12813, 12814, 12860, 12874, 12968.

♂♂ ad. : al.  $91\frac{1}{2}$ — $89\frac{1}{2}$  ; caud.  $69\frac{1}{2}$ — $66\frac{1}{2}$  ; culm.  $18\frac{3}{4}$ — $17\frac{1}{2}$  ; tars.  $20\frac{1}{2}$ — $19\frac{3}{4}$  mm.

♀♀ ad. : al. 84— $78\frac{1}{2}$  ; caud.  $62\frac{1}{2}$ — $60\frac{1}{2}$  ; culm.  $16\frac{3}{4}$ — $16\frac{1}{2}$  ; tars.  $18\frac{1}{2}$  mm.

Cayenne specimens agree generally with the Nattererian birds from Barra do Rio Negro, but they have the under-parts rather more suffused with yellowish.

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

207. *Philydor pyrrhodes* (Cab.).

*Anabates pyrrhodes* Cabanis in Schomb., *Reise Brit. Guiana iii.* (1848) p. 689 (coast of Brit. Guiana—typ. in Mus. Brit.).

Ipousin, R. Approuague : 1 ♀, December 28, 1902.

"Iris dark sepia, feet light sage-green, bill above clove-brown, below slate-grey." No. 12878.

This bird is evidently immature ; it differs from a male from Munduapo, Orinoco, in having much shorter wings and tail, more olivaceous upper back and upper head, and the under-parts, uropygium, and tail of a paler cinnamomeous.

208. *Xenops genibarbis* Ill.

*Xenops genibarbis* Illiger, *Prodr.* (1811) p. 213 (typ. ex Cameté, Brazil in Mus. Berol.).

Cayenne : 2 ♂♂ ad., October 11, November 28 ; 1 ♀ ad., November 14, 1902.

"Iris seal, feet plumbeous grey ('plumbeous'), bill above black, below pale with dusky tip ('and cutting edge')."

Nos. 60, 90±, 965.

"♂♂" ad. : al.  $67\frac{1}{2}$ —66; caud.  $56\frac{1}{2}$ — $51\frac{1}{2}$ ; culm.  $15\frac{1}{4}$ — $14\frac{1}{4}$ ; tars. 15— $14\frac{1}{2}$  mm.

"♀" ad. : al. 62; caud.  $48\frac{1}{2}$ ; culm.  $14\frac{1}{4}$ ; tars. 14 mm.

[Oyapoc, Cayenne (Sclater collection ex Verdey in Mus. Brit.).]

209. *Xenops rutilus heterurus* Cab. & Hein.

[*Xenops rutilus* Lichtenstein, *Doubl. Verz.* (1823) p. 17 (typ. ex Bahia in Mus. Berol.).]

*Xenops heterurus* Cabanis et Heine, *Mus. Hein.* ii. (Aug. 1859) p. 33 (typ. "Columbien"—Mus. Hein.).

Cayenne: 1 ♂ and 2 ♀♀, October 13, 14, 18, 1902.

"Iris seal, feet plumbeous, bill above black, below pale with dusky tip ('and cutting edge')."

Nos. 91, 124, 201.

♂ : al. 63; caud.  $44\frac{1}{2}$ ; culm. 12; tars.  $13\frac{1}{2}$  mm.

♀♀ : al.  $62\frac{1}{2}$ —61; caud.  $45\frac{3}{4}$ — $40\frac{1}{2}$ ; culm.  $12\frac{1}{2}$ —12; tars.  $13\frac{1}{2}$ — $13\frac{1}{4}$  mm.

Cayenne specimens agree best with Bogotá skins, but are smaller-sized. They have much more black in the tails than Brazilian birds.

210. *Glyphorhynchus cuneatus* (Licht.).

*Dendrocolaptes cuneatus* Lichtenstein, *Abh. Akad. Berl.* 1820. p. 204. tab. 2. fig. 2 (typ. ex Bahia cf. *Abh.* 1822. p. 266—in Mus. Berol.).

Cayenne: 1 ♀ ad., November 27, 1902.

Roche-Marie: 2 ♂♂, November 7, 11, 1902.

Iposin, R. Approuague: 6 ♂♂ ad., December 25 (two), 27, 29, 1902, January 5, 6, 1903; 5 ♀♀ ad., December 24, 30, 1902, January 1 (two), 3, 1903.

"Iris seal (dark), feet slate (dusky slate, dusky greenish), bill blackish (dusky, above black, below slate, blackish slate above, below greyish slate.)"

♂♂ ad. : al. 73— $66\frac{1}{2}$ ; caud.  $73\frac{3}{4}$ — $56\frac{3}{4}$ ; culm. 13— $11\frac{3}{4}$ ; tars.  $16\frac{1}{2}$ — $14\frac{1}{2}$  mm.

♀♀ ad. : al. 70— $65\frac{1}{2}$ ; caud. 69— $61\frac{1}{2}$ ; culm.  $12\frac{1}{2}$ — $11\frac{3}{4}$ ; tars.  $16\frac{1}{2}$ — $15\frac{1}{2}$  mm.

Nos. 597, 711, 937, 12785, 12808, 12809, 12867, 12895, 12903, 12947, 12948, 12978, 13004, 13020.

The Cayenne specimens differ from those from Bahia in having the upper throat much more suffused with rufous, less whitish.

[Oyapoc and Cayenne (coll. Jelski); Sclater collection and Salvin & Godman collection in Mus. Brit.; coll. Deplanches (*vide* Bp.).]

211. *Sclerurus rufularis* Pelz.

*Sclerurus rufularis* Pelzeln, *Zur Orn. Bras.* ii. (1868) pp. 87, 161. (descr. specim. ex Borba et Marabitanas, habit. typ. select. Borba in Mus. Vindob.)

Iposin, R. Approuague: 1 ♀, January 3, 1903.

"Iris seal, feet slate-black, bill above blackish, below pale grey." No. 12980.

Al. 77; caud.  $58\frac{1}{2}$ ; culm.  $17\frac{3}{4}$ ; tars.  $21\frac{1}{2}$  mm.

Mr. Hellmayr has kindly identified this bird for me. *S. rufularis* Pelz. is easily distinguishable from *S. caudacutus* (Vieill.) by its much shorter and slender bill, and its rufous-brown throat.

[212. *Sclerurus caudacutus* (Vieill.).

*Thamnophilus caudacutus* Vieillot, *Nouv. Dict.* iii. (1816) p. 310. (typ. ex Cayenne).

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

213. *Dendrornis guttatoides sororia* Berl. & Hart.

[*Nasica guttatoides* Lafresnaye,\* *Rev. et Mag. de Zool.* 1850. p. 387. (typ. ex Lorette, Amaz. sup., coll. Castelnau in Mus. Paris—av. juv.)]

*Dendrornis rostripallens sororia* Berlepsch et Hartert, *Nov. Zool.* ix. (April 1902) p. 63 (typ. ex Maipures, Orinoco—in Mus. H. v. B.).

Cayenne: 3 ♂♂ ad., November 1, 25, December 19, adult without indication of sex, November 1, 1902.

“Iris seal, feet greyish plumbeous, bill above blackish, pale below.”

Nos. 426, 427, 897, 1145.

♂♂ ad.: al. 122—120½; caud. 110—109½; culm. 38¾—37½; tars. 24¾—24½ mm.

These birds agree in every respect with the typical bird from the Rio Orinoco.

[Cayenne (Sclater collection in Mus. Brit. ?); Oyapoc (Salvin & Godman collection in Mus. Brit.).]

214. *Dendrornis pardalotus* (Vieill.).

*Dendrocopus pardalotus* Vieillot, *Nouv. Dict.* xxvi. (1818) p. 117 (typ. ex Cayenne).

Ipousin, R. Approuague: 4 ♂♂ ad., December 25, 27, 29, 1902, January 5, 1903; 4 ♀♀ ad., December 25, 27, 1902, January 2, 6, 1903.

“Iris seal, feet slate, bill above clove-brown, below dusky grey.”

Nos. 12827, 12828, 12846, 12861, 12862, 12885, 12964, 12997, 13019.

♂♂ ad.: al. 108½—97; caud. 101—87¾; culm. 36½—29; tars. 21¾—21½ mm.

♀♀ ad.: al. 109½—99½; caud. 94½—91¾; culm. 35½—31½; tars. 21½—20½ mm.

[Cayenne (Sclater collection in Mus. Brit.); Oyapoc, Jelski leg.: Slater collection and Salvin & Godman collection in Mus. Brit.).]

215. *Dendrornis obsoleta multiguttata* (Lafr.).

[*Dendrocolaptes obsoletus* Lichtenstein, *Abhandl. Akad. Berl.* (1818-19) publ. 1820 (typ. ex Pará—cf. *ibid.* 1822. p. 265—in Mus. Berol., examin., H. v. B.).]

*Nasica multiguttatus* Lafresnaye, *Rev. et Mag. Zool.* 1850. p. 417 (hab. Fontiboa, Haut Amazone et du Brésil)—typ. in Mus. Paris†.

*Dendrornis obsoleta notata* (Eyt.) Berlepsch et Hartert, *Nov. Zool.* ix. (1902) p. 64 (Orinoco).

Approuague: 1 ♀ ad., December 19, 1902. No. 12774.

“Iris seal, feet slate-grey, bill dusky horn-grey, darker at base of maxilla.”

This female agrees with specimens from the Middle Orinoco, and with others from the Rio Negro and Borba (coll. Natterer).

[Oyapoc (Sclater collection in Mus. Brit. and in Mus. Paris ex Geay); R. Ouanary (in Mus. Paris ex Geay).]

216. *Dendroplex picus* (Gml.).

*Oriolus picus* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 384 (ex Daubenton, *Pl. Enl.* 605—typ. Cayenne).

Cayenne: 5 ♂♂ ad., October 14 (three), 20, November 27; 8 ♀♀ ad., October 13 (two), 14 (three), 16 (two), November 4, 1902.

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

\* Cf. Meneg. & Hellm., *Mém. Soc. d'Hist. nat. d'Autun* xix. (1903) p. 100.

† *Ibid.* p. 55.

“Iris hazel, feet plumbeous with olive wash, bill above dusky grey, paler below.”

Nos. 88, 89, 116, 117, 118, 119, 120, 121, 136, 137, 219, 510, 943, 1052.

♂♂ ad.: al.  $102\frac{1}{2}$ —95; caud.  $90\frac{1}{2}$ — $81\frac{1}{2}$ ; culm.  $29\frac{1}{4}$ — $27\frac{1}{2}$ ; tars.  $21\frac{1}{2}$ — $19\frac{1}{2}$  mm.

♀♀ ad.: al. 102—92; caud. 90—82; culm. 29— $26\frac{3}{4}$ ; tars.  $22\frac{1}{2}$ — $20\frac{1}{2}$  mm.

[Cayenne (Buffon, coll. Deplanches (*vide* Bp.), Mus. Paris (ex Suard et Fabre), Mahury et Kourou (Mus. Paris ex Geay).]

[217. **Dendrexetastes rufigula** (Less.).

*Dendrocolaptes (Orthocolaptes) rufigula* Lesson, *Descr. Mammif. et Ois.* (1847) p. 281 (typ. ex Cayenne). Cf. Hellmayr, *Nov. Zool.* xiv. (1907) p. 366.

*Dendrocolaptes temmincki* Lafr. 1851.

Cayenne (Mus. Brit., Mus. H. v. B.).

Ouanary (Mus. Paris ex Geay, Mus. Hein.).]

[218. **Hylexetastes perroti** (Lafr.).

*Dendrocolaptes Perrotii* Lafresnaye, *Rev. Zool.* 1844. p. 80 (typ. ex “Colombie”).

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

[219. **Picolaptes puncticeps** ScL. & Salv.

*Picolaptes puncticeps* Sclater et Salvin, *Nomencl. Av. Neotr.* (1873) pp. 69, 160 (typ. ex Cayenne—Mus. Brit.).

Cayenne (Sclater collection in Mus. Brit.).

Guyane française (Faber leg. in Mus. Paris).]

[220. **Nasica longirostris** (Vieill.).

*Dendrocopus longirostris* Vieillot, *Nouv. Dict.* xxvi. (1818) p. 117 (ex “Brésil”—hab. substit. Rio Negro).

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

221. **Xiphorhynchus procurvoides** Lafr.

*Xiphorhynchus procurvoides* Lafresnaye, *Rev. et Mag. de Zool.* 1850. p. 376 (typ. ex Cayenne).

Ipousin, R. Approuague: 1 ♀ ad., December 29, 1902.

“Iris seal, feet dusky sage-green, bill above walnut-brown, below wood-brown.” No. 12887.

Al. 92; caud. 83; culm. 61; tars. 19 mm.

*X. procurvoides* Lafr. is quite distinct from *X. trochilirostris* Licht. A specimen from Camacusa, Brit. Guiana (coll. Whitely) in Mus. H. v. B. agrees perfectly with the Cayenne bird.

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

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

222. **Dendrocincla fuliginosa** (Vieill.).

*Dendrocopus fuliginosus* Vieillot, *Nouv. Dict.* xxvi. (1818) p. 117 (ex Levaill.—typ. ex Cayenne in Mus. Paris).

Ipousin, R. Approuague: 2 ♂♂ ad., December 26, 1902, January 8, 1903; 1 ♀ ad., December 26, 1902.

“Iris drab-brown, feet slate, bill blackish.”

Nos. 12844, 12845, 13061.

♂♂ ad.: al.  $113\frac{1}{2}$ — $108\frac{1}{2}$ ; caud.  $106\frac{1}{2}$ — $96\frac{1}{2}$ ; culm.  $31\frac{1}{2}$ ; tars.  $25\frac{1}{2}$ —25 mm.

♀ ad.: al.  $106\frac{1}{2}$ ; caud.  $96\frac{1}{2}$ ; culm.  $28\frac{1}{2}$ ; tars.  $23\frac{1}{2}$  mm.

[Cayenne (Mus. Paris ex Levaill.—*vide* Ménég. & Hellm.).]

[223. *Dendrocincla merula* (Licht.).

*Dendrocolaptes Merula* Lichtenstein, *Abh. Ac. Berlin*. 1818-19 (1820) p. 208 (typ. ex Cayenne—Mus. Berol.).

Cayenne (Mus. Berol.).]

224. *Dendrocolaptes certhia* (Bodd.).

*Picus certhia* Boddaert, *Tabl. Pl. Enl.* (1783) p. 38 (ex Daubenton, *Pl. Enl.* 621—typ. ex Cayenne).

Ipousin, R. Approuague: 1 ♀, January 8, 1903.

“Iris seal, feet greyish plumbeous, bill above blackish, below paler.”

Al. 124; caud.  $123\frac{1}{2}$ ; culm.  $35\frac{1}{2}$ ; tars.  $26\frac{1}{2}$  mm. No. 8062.

This bird agrees with specimens from Brit. Guiana.

[Cayenne (Buff.), coll. Delalande et Poiteau in Mus. Paris; Rio Camopi (F. Geay leg. in Mus. Paris).]

225. *Dendrocolaptes plagosus* Salv. & Godm.

*Dendrocolaptes plagosus* Salvin et Godman, *Ibis* 1883. p. 20 (typ. ex Camacusa, Brit. Guiana in Mus. Brit.).

Ipousin, R. Approuague: 1 ♂ (jr.), December 30, 1902.

“Iris seal, feet olive-greyish, bill black, smoke-grey at base of mandible.”

No. 12921.

Al. 136; caud. 127; culm.  $40\frac{1}{2}$ ; tars. 28 mm.

There is no difference between this bird and specimens from Brit. Guiana.

[Rio Carsevenne (M. F. Geay leg. in Mus. Paris).]

FAMILY *FORMICARIIDAE*.\*

226. *Cymbilanius lineatus* (Leach).

*Lanius lineatus* Leach, *Zool. Misc.* i. Pl. vi. (1814) p. 20 (hab. Berbice, Brit. Guiana).

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

“Iris carmine, feet plumbeous, bill above black, below slate-grey.”

Al.  $76\frac{1}{2}$ ; caud.  $76\frac{1}{2}$ ; culm.  $23\frac{3}{4}$ ; tars.  $25\frac{3}{4}$  mm. No. 12955.

This bird agrees with a female from Camacusa, Brit. Guiana.

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

\* The following species of *Formicariidae* have not yet been found in Cayenne, but are likely to occur there:

1. *Dysithamnus mentalis* (Tem.). Brazil (Pará)—Pto. Cabello, Venezuela.
2. *Dysithamnus plumbeus* (Wied.). Lower Amazons, Venezuela.
3. *Ramphocaenus albiventris* Scl. Brit. Guiana, Surinam (*R. melanurus*, Pará).
4. *Cercomacra tyrannina* Scl. Brit. Guiana, Palá.
5. *Cercomacra cinerascens* Scl. Brit. Guiana.
6. *Myrmeciza griseiceps* Berl. & Hart. Brit. Guiana, Monte Alegre (northern bank of the Amazon).

[227. *Thamnophilus viridis* Vieill.

*Thamnophilus viridis* Vieillot, *Nouv. Dict.* iii. (1816) p. 318. descr. orig. ♀ (hab. l'Amérique méridionale, cf. Pucheran, *Arch. Mus. Paris* (1855) p. 354.—hab. typ. substit. Cayenne). Menegaux et Hellmayr, *Bull. Soc. Phil. de Paris*, 1906. p. 24.

*Lanius lunatus* Lesson, 1831.

*Thamnophilus fuliginosus* Gould, 1837.

Cayenne (Poiteau in Mus. Paris, Sclater collection in Mus. Brit., Baron Langier collection, Mus. Vindob. ex Becoer).]

228. *Thamnophilus major semifasciatus* (Cab.).

[*Thamnophilus major* Vieillot, *Nouv. Dict.* iii. (1816) p. 313 (ex Azara typ. ex Paraguay).]

*Diallactes semifasciatus* Cabanis, *Journ. f. Orn.* 1872. p. 234 (hab. Pará, Guiana and Venezuela—habit. typ. select. Pará (autore Hellmayr).

Approuague: 3 ♀♀ ad., December 9 (two), 11, 1902.

“Iris carmine, feet plumbeous, bill black.”

Nos. 1079, 1088, 1110.

♀♀: al. 91—88½; caud. 78½—77½; culm. 29¼—28; tars. 34½—33½ mm.

These birds have the upper parts of a much darker chestnut than females from Bahia.

[Cayenne (Salvin & Godman collection in Mus. Brit., Mus. Vindob. ex Becoer).]

[229. *Thamnophilus cinereoniger* Pelzeln.

*Thamnophilus cinereoniger* Pelzeln, *Zur Orn. Bras.* ii. (1868). pp. 76, 143 (hab. Rio Negro, Marabitanas, Rio Vaupé, Rio Amajau, Tapajoz, typ. select. ♂ ex Rio Negro in Mus. Vindob.).

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

[230. *Thamnophilus polionotus* Pelzeln.

*Thamnophilus polionotus* Pelzeln, *Zur Orn. Bras.* ii. (1868). pp. 77, 147 (hab. Marabitanas, Barcellos, typ. select. ♂ ex Marabitanas in Mus. Vindob.).

*Thamnophilus tristis*, Sclater & Salvin 1873 (typ. ex Oyapoc, Cayenne).

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

231. *Thamnophilus murinus* Scl. & Salv.

*Thamnophilus murinus*, Sclater & Salvin, *P.Z.S.* 1867. p. 756 (typ. select. ex Barra do Rio Negro in Mus. Vindob.—aut. Berlepsch et Hartert).

Ipousin, R. Approuague: 3 ♂♂ ad., December 26, 1902, January 2, 6, 1903; 2 ♀♀ ad., December 31, 1902, January 2, 1903.

“Iris grey (‘seal’), feet slate-grey (‘pale grey, greyish, ♀, grey with olive wash’), bill above black, below slate-grey.”

Nos. 12855, 12926, 12961, 12966, 13032.

♂♂ ad.: al. 64—62; caud. 59½—54½; culm. 18¾—18¼; tars. 19¾—18¾ mm.

♀♀ ad.: al. 63—62; caud. 60½—59¾; culm. 17½; tars. 19½ mm.

Cayenne specimens agree with specimens from Brit. Guiana collected by H. Whitely. A topotypical male from Marabitanas has somewhat lighter underparts.

[Oyapoc, Cayenne (Sclater collection in Mus. Brit.). Cayenne (Mus. Vindob. ex Becoer).]

232. *Thamnophilus naevius* (Gml.).

*Lanius naevius* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 308 (ex Latham typ. ex Cayenne).

*Thamnophilus ambiguus* Pelzeln (nec Swains.), *Zur Orn. Bras.* ii. (1868) p. 76 Anm. 2 (♀ Cayenne ex Becoeur).\*

Cayenne: 4 ♂♂ ad., October 31, November 1, 3, 29, 1902; 3 ♀♀ ad., October 31, November 3, 4, 1902.

Roche-Marie, Cayenne: 3 ♂♂ ad., November 6, 7, 8, 1902; 6 ♀♀ ad., November 6 (two), 7, 8, 11 (two), 1902.

R. Approuague: 4 ♂♂ ad., December 8 (three), 10, 1902; 1 ♀ December 8, 1902.

♂♂: "Iris hazel, feet plumbeous, bill black, plumbeous at base of mandible."

♀♀: "Iris hazel ('grey'), feet plumbeous, bill above black, below pale plumbeous."

♂♂ ad.: al.  $70\frac{1}{2}$ —65; caud. 55— $49\frac{1}{2}$ ; culm.  $20\frac{1}{2}$ — $18\frac{1}{2}$ ; tars. 22— $20\frac{3}{4}$  mm.

♀♀ ad.: al.  $69\frac{1}{2}$ — $66\frac{1}{2}$ ; caud.  $55\frac{1}{2}$ — $49\frac{1}{2}$ ; culm. 20— $18\frac{1}{4}$ ;  $23\frac{3}{4}$ — $20\frac{3}{4}$  mm.

Nos. 404, 405, 441, 491, 492, 507, 577, 578, 579, 602, 603, 627, 628, 693, 715, 982, 1046, 1047, 1048, 1049, 1105.

[Cayenne (Sclater collection and Salvin & Godman collection—ex coll. Jelski in Mus. Brit., Mus. Hein., Mus. Vindob. ex Becoeur).]

233. *Thamnophilus amazonicus* Scl.

*Thamnophilus amazonicus* Sclater, *P.Z.S.* 1858. p. 214. pl. 139. fig. 1 ♂, fig. 2 ♀ (typ. select. in Mus. Brit. ex "Upper Amazons" coll. Bates).

? *Thamnophilus ruficollis* Spix = *amazonicus* ♀?

Ipousin, R. Approuague: 1 ♂ ad., January 6; 1 ♀ ad., January 6, 1902.

"Iris seal, feet grey (slate-grey), bill slate-grey at base of mandible (♂), above black, below slate-grey (♀)."

Nos. 13031, 13030.

♂: al.  $67\frac{1}{2}$ ; caud.  $61\frac{1}{2}$ ; culm.  $17\frac{3}{4}$ ; tars.  $20\frac{1}{2}$  mm.

♀: al. 67; caud.  $57\frac{3}{4}$ ; culm.  $16\frac{1}{4}$ ; tars.  $19\frac{1}{2}$  mm.

The male is a fully adult bird. It has darker under-parts and shorter wings than an example from the Rio Tigre (Upper Amazons) and specimens from Bogotá in Mus. H. v. B.

[Oyapoc (Mus. Brit.).]

[234. *Thamnophilus cinereiceps* Pelzeln.

*Thamnophilus cinereiceps* Pelzeln, *Zur Orn. Bras.* ii. (1868) pp. 77, 145 (hab. Marabitanas, Rio Vaupé.—typ. select. ♂ ex Marabitanas in Mus. Vindob.).

Oyapoc (Sclater collection and Salvin-Godman collection in Mus. Brit.).]

235. *Thamnophilus canadensis* (Linn.).

*Lanius canadensis* Linne, *Syst. Nat.* ed. xii. 1 (1766). p. 134 (ex Briss. "Canada"—hab. typ. subst. Cayenne aut. Berlepsch & Hartert).

*Th. cirrhatus* (Gml.).

Cayenne: 7 ♂♂ ad., October 13, 14, 29, 31, (two), November 1, 3; 3 ♀♀ ad., October 13, 31, November 1, 1902.

Roche-Marie: 1 ♀, November 11, 1902.

"Iris mars brown, feet plumbeous, bill black (♂♂), above black, below plumbeous, or with pale cutting edge (♀♀)."

\* *Fide* Hellmayr in *litteris*.

♂♂ ad. : al.  $73\frac{1}{2}$ —72 ; caud.  $61\frac{1}{2}$ —58 ; culm.  $21\frac{1}{2}$ — $19\frac{3}{4}$  ; tars.  $24\frac{1}{2}$ — $23\frac{1}{2}$  mm.

♀♀ ad. : al. 73— $71\frac{1}{2}$  ;  $64\frac{1}{2}$ — $58\frac{1}{2}$  ; culm. 21— $20\frac{1}{2}$  ;  $24\frac{3}{4}$ — $24\frac{1}{2}$  mm.

Nos. 105, 106, 115, 380, 406, 407, 408, 429, 430, 490, 692.

Male specimens from British Guiana and the Orinoco delta (Orinoco make) are in no way different. Specimens from Pto. Cabello have the back of a much clearer rufous brown (instead of greyish brown with blackish marks). Specimens from the Middle Orinoco and from the Rio Branco are somewhat intermediate, but agree best with the Pto. Cabello birds. Nevertheless there is much variation in the shade of the brown back.

[Cayenne (Sclater collection in Mus. Brit., Mus. Hein., Mus. Vindob. ex Becoer, Mus. H. v. B., coll. Deplanches (*vide* Bp.).]

### 236. *Thamnophilus doliatus* (Linn.).

*Lanius doliatus* Linne, *Mus. Ad. Frid.* ii. *Prodr.* (1764) p. 12 loc. ignot. (hab. typ. subst. Cayenne aut. Berlepsch & Hartert).

Cayenne : 4 ♂♂ ad. and 3 ♂♂ jrs., October 28, 29 (two) jr., 31, November 1 (♂ jr.), 3 (♂ jrs.), 4 ; 4 ♀♀ ad., October 28, 31, November 3 (two), 1902.

Roche-Marie, Cayenne : 1 ♂ ad., November 10, 1 ♀ ad., November 11, 1902.

“Iris primrose yellow” (twice “lemon yellow”), “feet plumbeous,” “bill above black, below slate (‘greyish’),” in ♀ “yellowish.”

♂♂ ad. : al.  $79\frac{1}{2}$ —73 ; caud.  $68\frac{1}{2}$ —62 ; culm.  $21\frac{3}{4}$ —20 ; tars.  $26\frac{1}{2}$ — $25\frac{3}{4}$  mm.

♀♀ ad. : al. 76—72 ; caud. 68— $63\frac{1}{2}$  ; culm.  $20\frac{1}{4}$ — $18\frac{3}{4}$  ; tars.  $26\frac{3}{4}$ — $25\frac{1}{2}$  mm.

Nos. 356, 371, 377, 378, 409, 410, 428, 483, 484, 485, 524, 655, 691.

[Cayenne (Mus. Vindob. ex Becoer, Mus. Hein., Mus. H. v. B., coll. Deplanches (*vide* Bp.).]

Although not much different, *Th. d. fraterculus* Berl. & Hart. from Venezuela shows much more white on the under-parts and less white in the crown.

### [237. *Pygoptila stellaris* (Spix).

*Thamnophilus stellaris* Spix, *Av. Bras.* ii. (1825) p. 27. tabl. xxxvi. fig. 2 (typ. ex Prov. Pará—olim in Mus. Monac.).

*Pygoptila maculipennis* (Scl.).

[Cayenne (Mus. Hein.).]

### 238. *Dysithamnus ardesiacus saturninus* (Pelz.).\*

[*Dysithamnus ardesiacus* Sclater et Salvin, *P. Z. S.* 1867. p. 756 (typ. ex Rio Napo—in Mus. Brit.).]

*Thamnophilus saturninus* Pelzeln (ex Natterer), *Zur Orn. Bras.* ii. (1868) pp. 147, 77 (hab. Cayenne, Borba, Serra Carauman, hab. typ. select. Borba).

Ipousin, R. Approuague : 4 ♂♂ ad., December 25, 28, 30, 1902, January 2, 1903 ; 1 ♂ imm., December 25, 1902 ; 4 ♀♀ ad., December 25 (two), 29, 1902, January 3, 1903.

“Iris seal, feet slate-grey (‘greyish, greyish flesh’), bill black (‘above black, below slate-black,’ dusky grey, ‘grey’).”

♂♂ ad. : al. 73—71 ; caud.  $51\frac{1}{2}$ — $49\frac{1}{2}$  ; culm.  $17\frac{3}{4}$ — $17\frac{1}{4}$  ; tars.  $18\frac{3}{4}$ — $18\frac{1}{2}$  mm.

♀♀ ad. : al. 74— $70\frac{1}{2}$  ; caud.  $51\frac{1}{2}$ — $48\frac{1}{2}$  ; culm. 17— $15\frac{3}{4}$  ; tars.  $18\frac{3}{4}$ — $17\frac{1}{2}$  mm.

Nos. 12804, 12806 (*bis*), 12807, 12870, 12895, 12917, 12973, 12979.

\* Cf. Hellmayr, *Verh. zool.-bot. Ges. Wien.* 1903. pp. 215, 216.

Cayenne birds are absolutely identical with specimens from Camacusa and Bartica Grove, British Guiana, collected by Mr. H. Whitely, jr., in Mus. H. v. B. [Cayenne: ♂ in Mus. Vindob. ex Becoeur. Oyapoc: ♀ (Sclater collection in Mus. Brit.).]

### 239. *Thamnomanes glaucus* Cab.

*Thamnomanes glaucus* Cabanis, Wieg. *Arch. f. Naturg.* 1847. iii. (1847). p. 230 (typ. ex Cayenne in Mus. Berol.).

Ipousin, R. Approuague: 2 ♂♂ ad., December 27, 30, 1902; 1 ♂ imm., January 1, 1903; 2 ♀♀ ad., December 25, 30, 1902.

"Iris seal, feet slate-grey, bill black ('black, some grey at base of mandible,' 'black below slate')."

♂♂ ad.: al.  $71\frac{3}{4}$ — $70\frac{1}{2}$ ; caud.  $60\frac{1}{2}$ — $59\frac{1}{2}$ ; culm.  $17\frac{1}{4}$ — $16\frac{1}{2}$ ; tars.  $17\frac{1}{2}$ — $16\frac{3}{4}$  mm.

♀♀ ad.: al.  $72\frac{1}{2}$ — $71\frac{1}{2}$ ; caud. 65— $61\frac{3}{4}$ ; culm.  $15\frac{3}{4}$ ; tars.  $16\frac{1}{2}$  mm.

Nos. 12803, 12869, 12910, 12911, 12945.

[Cayenne: ♂♀ in Mus. Vindob. ex Becoeur. Oyapoc: ♀ (Sclater collection in Mus. Brit.).]

### 240. *Myrmotherula pygmaea* (Gml.).

*Muscicapa pygmaea* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788). p. 933 (ex Buff. et Daubenton, *Pl. Enl.* 831. f. 2.—typ. ex Cayenne—♀).

Cayenne: 1 ♂ ad., November 26, 1902.

Roche-Marie, Cayenne: 1 ♀ ad., November 11, 1902.

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

"Iris seal, feet sage-green ('greyish sage-green'), bill black ('above black, below dusky slate-grey')."

Nos. 714, 925, 12936.

♂♂ ad.: al.  $42\frac{1}{2}$ — $41\frac{1}{2}$ ; caud.  $20\frac{1}{4}$ — $18\frac{3}{4}$ ; culm.  $13\frac{1}{2}$ ; tars.  $15\frac{1}{4}$ — $14\frac{1}{2}$  mm.

♀ ad.: al. 42; caud.  $18\frac{1}{2}$ ; culm.  $13\frac{3}{4}$ ; tars.  $15\frac{3}{4}$  mm.

[Cayenne (Buff., coll. Deplanches—*vide* Bp.).]

### 241. *Myrmotherula surinamensis* (Gml.).

*Sitta surinamensis* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 442 (ex Latham—typ. ex Surinam).

Approuague: 1 ♂ ad., 1 ♀ ad., December 11, 1902.

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

"Iris seal, feet plumbeous, bill above black, below grey."

Nos. 1115, 1116, 12820.

♂♂ ad.: al.  $50\frac{1}{4}$ — $49\frac{1}{2}$ ; caud.  $24\frac{3}{4}$ — $24\frac{1}{2}$ ; culm.  $14\frac{3}{4}$ — $13\frac{1}{4}$ ; tars.  $16\frac{3}{4}$ — $14\frac{3}{4}$  mm.

♀ ad.: al. 49; caud. 22; culm.  $12\frac{3}{4}$ ; tars.  $16\frac{1}{4}$  mm.

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

### [242. *Myrmotherula cherriei* Berl. & Hart.

*Myrmotherula cherriei* Berlepsch et Hartert, *Nov. Zool.* ix. (April 1902). p. 72 (typ. ♂ ex Perico, Orinoco in Mus. Tring).

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

243. *Myrmotherula guttata* (Vieill.).

*Myrmothera guttata* Vieillot, *Gal. Ois.* i. (1825) p. 251. pl. 155 (descr. et depict. ♂ ad. typ. e Cayenne in Mus. Riocour).

Approuague: 1 ♂ ad., December 15, 1902.

Ipousin, R. Approuague: 1 ♂ ad., January 1, 1903; 4 ♀ ♀, December 25, 26 31, 1902, January 6, 1903.

"Iris seal" (1 ♀, "pale yellowish"), "feet grey" ("slate-grey, pale grey"), "bill above black, below grey" ("slate grey, plumbeous").

♂ ♂ ad.: al.  $54\frac{1}{2}$ — $50\frac{1}{2}$ ; caud.  $24\frac{1}{2}$ ; culm.  $14\frac{3}{4}$ — $13\frac{3}{4}$ ; tars.  $18\frac{3}{4}$ — $18\frac{1}{4}$  mm.

♀ ♀ ad.: al. 53— $51\frac{1}{2}$ ; caud.  $27\frac{1}{2}$ — $25\frac{1}{2}$ ; culm.  $14\frac{1}{2}$ — $13\frac{1}{4}$ ; tars.  $19\frac{1}{4}$ — $18\frac{1}{2}$  mm.

Nos. 12727, 12819, 12832, 12933, 12950, 13023.

[Cayenne (Riocour coll., Laugier coll. in Mus. Paris), Oyapoc (Sclater collection in Mus. Brit.).]

244. *Myrmotherula gutturalis* Scl. & Salv.

*Myrmotherula gutturalis* Sclater et Salvin, *Ibis* 1881. p. 269 (typ. ex Bartica Grove, Brit. Guiana in Mus. Brit.).

Ipousin, R. Approuague: 2 ♂ ♂ ad., December 24, 1902, January 2, 1903; 3 ♀ ♀ ad., December 24, 27, 28, 1902.

"Iris pale yellowish, feet grey, bill above black, below slate-black (above blackish, below plumbeous, black cutting edges plumbeous)."

Nos. 12789, 12791, 12866, 12876, 12970.

♂ ♂ ad.: al.  $51\frac{1}{2}$ — $50\frac{1}{2}$ ; caud.  $41\frac{1}{2}$ — $40\frac{1}{2}$ ; culm.  $13\frac{1}{4}$ ; tars.  $15\frac{1}{2}$  mm.

♀ ♀ ad.: al.  $51\frac{1}{2}$ —50; caud.  $40\frac{1}{2}$ — $38\frac{3}{4}$ ; culm.  $13\frac{3}{4}$ — $13\frac{1}{2}$ ; tars. 16— $15\frac{1}{2}$  mm.

Mr. Cherrie's specimens are quite identical with topotypical specimens from Camacusa, British Guiana (coll. H. Whitely) in Mus. H. v. B.

This species had not yet been recorded from Cayenne.

[245. *Myrmotherula pyrrhonota* Scl. & Salv.

*Myrmotherula pyrrhonota* Sclater et Salvin, *Nomencl. Av. Neotr.* (1873) pp. 72, 160 (hab. Marabitanas, Rio Negro and Oyapoc—typ. select. ♂ Marabitanas (coll. Natterer in Mus. Brit.).

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

246. *Myrmotherula axillaris* (Vieill.).

*Myrmothera axillaris* Vieillot, *Nouv. Dict.* xii. (1817) p. 113 (typ. ex La Guyane, sc. Cayenne).

Cayenne: 1 ♀, November 2, 1902.

Approuague: 5 ♂ ♂ ad., December 10 (three), 15 (two); 1 ♀, December 8, 1902.

Ipousin, R. Approuague: 1 ♂ ad., December 25, 2 ♀ ♀, December 24, 1902, January 5, 1903.

"Iris seal, feet plumbeous ('bright slate-grey, bright blue-grey'), bill black (♂ ♂ 'above black, below plumbeous grey'), ('above blackish, below greyish,' 'above slate-black, below grey') (♀ ♀)."

♂ ♂: al. 52— $48\frac{1}{2}$ ; caud.  $37\frac{1}{2}$ — $35\frac{1}{2}$ ; culm.  $13\frac{3}{4}$ — $12\frac{3}{4}$ ; tars.  $15\frac{1}{2}$ — $14\frac{3}{4}$  mm.

♀ ♀: al. 51— $49\frac{1}{2}$ ; caud.  $38\frac{3}{4}$ — $34\frac{3}{4}$ ; culm. 14— $13\frac{1}{2}$ ; tars.  $15\frac{3}{4}$ — $14\frac{3}{4}$  mm.

Nos. 457, 1051, 1092, 1107, 1108, 12728, 12729, 12792, 12821, 13013.

[Cayenne (Riocour collection, coll. Deplanches (*vide* Bp.), coll. Jelski—Salvin & Godman collection in Mus. Brit., Mus. Hein.).]

247. *Myrmotherula longipennis* Pelz.

*Myrmotherula longipennis* Pelzeln, *Zur Orn. Bras. ii.* (1868) pp. 82, 153 (hab. Rio Negro, Marabitanas—typ. select. ex Marabitanas, Mus. Vindob.).\*

Le Grisin de Cayenne femelle, Daubenton, *Pl. Enl.* 643. f. 2 (ex Cayenne) ♂ ad.

Ipousin, R. Approuague : 4 ♂♂ ad., December 24, 30 (two), January 7, 1903 ; 4 ♀♀ ad., January 1 (two), 5, 7, 1903.

“Iris seal (cinereous), feet slate-grey (‘plumbeous’), bill black (‘above black, below slate-black,’ ‘below pale grey’).”

♂♂ ad. : al.  $61\frac{3}{4}$ —58 ; caud.  $38\frac{1}{2}$ — $34\frac{3}{4}$  ; culm.  $14\frac{1}{2}$ — $12\frac{3}{4}$  ; tarsi.  $15\frac{3}{4}$ — $14\frac{3}{4}$  mm.

♀♀ ad. : al.  $61\frac{1}{2}$ — $58\frac{1}{2}$  ; caud. 40—33 ; culm.  $14\frac{1}{2}$ — $13\frac{3}{4}$  ; tarsi.  $15\frac{1}{2}$ —14 mm.

Nos. 12790, 12908, 12909, 12951, 12952, 12304, 13013, 13044.

These specimens agree with others from British Guiana, and are apparently not different from typical birds from the Rio Negro.

[Oyapoc, Cayenne, ♂♀ : Sclater collection in Mus. Brit., Cayenne (coll. Martin in Mus. Paris).]

248. *Myrmotherula cinereiventris* Scl. & Salv.

*Myrmotherula cinereiventris* Sclater et Salvin, *P. Z.* S. 1867. p. 756 (typ. ex Cayenne in Mus. Brit.).

Ipousin, R. Approuague : 2 ♂♂ ad., December 24, 25 ; 2 ♀♀ ad., December 28, 30, 1902.

“Iris seal (‘sepia’), feet slate-grey, bill above black, below slate-black (‘slate-grey’).”

Nos. 12793, 12818, 12875, 12906.

♂♂ ad. : al.  $54\frac{1}{4}$ — $51\frac{1}{2}$  ; caud.  $27\frac{1}{2}$ — $26\frac{1}{2}$  ; culm.  $14\frac{3}{4}$  ; tarsi.  $15\frac{3}{4}$  mm.

♀♀ ad. : al. 55—53 ; caud.  $29\frac{1}{2}$ — $27\frac{1}{2}$  ; culm.  $14\frac{1}{4}$  ; tarsi.  $16\frac{1}{4}$ —15 mm.

[Cayenne (Sclater collection in Mus. Brit., Mus. Vindob. ex Becoeur).]

[249. *Terenura elaopteryx* Lev.

*Terenura elaopteryx* Leverkühn, *Journ. f. Orn.* 1889. Jan., p. 107 (typ. ex Cayenne—Mus. Kiel, nunc in Mus. Berol. ?).

Cayenne (Mus. Kiel—nunc in Mus. Berol. ?).]

250. *Ramphocaenus collaris* Pelz.

*Ramphocaenus collaris* Pelzeln, *Zur Orn. Bras. ii.* (1868) pp. 84, 157 (hab. Barra do Rio Negro, Marabitanas, Rio Içanna—typ. select. ♂, Barra in Mus. Vindob.).

Ipousin, R. Approuague : 1 ♂ ad., December 29, 1902 ; 1 ♀ ad., January 3, 1903.

“Iris seal, feet plumbeous grey, bill above black, below pale greyish.”

Nos. 12888, 12981.

♂ : al. 52 ; caud. 32 ; culm.  $18\frac{3}{4}$  ; tarsi.  $23\frac{1}{2}$  mm.

♀ : al.  $50\frac{1}{2}$  ; caud.  $32\frac{3}{4}$  ; culm.  $17\frac{3}{4}$  ; tarsi.  $23\frac{1}{2}$  mm.

A specimen from the Rio Içanna (coll. Natterer) agrees with the Cayenne birds, showing perhaps a little more rusty suffusion on the upper parts.

[Oyapoc ♀ Jelski leg. in Sclater collection, nunc in Mus. Brit.]

\* Daubenton's Plate 643, f. 2, placed by Mr. Sclater with a query among the synonyms of *M. axillaris*, evidently represents *M. longipennis* Pelz., showing the white apical margins to the tail-feathers which are found in this species, but not in *M. axillaris*.

251. *Formicivora grisea* (Bodd.).

*Turdus griseus* Boddaert, *Tabl. Pl. Enl.* (1783) p. 39 (ex Daubenton, *Pl. Enl.* 643. fig. 1—ex Cayenne, typ. in Mus. Paris—*vide* Ménég. & Hellm.).

Cayenne : 5 ♂♂ ad., October 10, 18 (two), 31, November 25 ; 3 ♂♂ jrs., October 13, 14 ; 8 ♀♀ ad., October 10, 11, 13, 14, 17 (two), 21, 31, November 1, 1902.

Roche-Marie, Cayenne : 1 ♂ juv. (in female dress), November 13, 1902.

“ Iris seal, feet plumbeous (‘ bright plumbeous,’ ‘ blackish plumbeous,’ ‘ dusky plumbeous,’ ‘ slate ’), bill black (‘ above black, below plumbeous,’ ‘ above black, below slate ’).”

♂♂ : al.  $57\frac{1}{2}$ —56 ; caud. 51—48 ; culm.  $15\frac{1}{2}$ — $14\frac{3}{4}$  ; tars.  $20\frac{3}{4}$ — $19\frac{3}{4}$  mm.

♂♂ : al.  $56\frac{3}{4}$ —54 ; caud.  $52\frac{1}{2}$ — $48\frac{1}{2}$  ; culm.  $15\frac{1}{2}$ — $14\frac{1}{2}$  ; tars.  $20\frac{3}{4}$ — $19\frac{1}{2}$  mm.

Nos. 38, 39, 74, 101, 107, 111, 114, 164, 165, 189, 190, 247, 423, 424, 442, 751, 903.

Brazilian birds (from Bahia, etc.), as a rule, have the upper parts rather paler and more brownish (less greyish and blackish), and perhaps could be distinguished as *F. g. nigricollis* (Swains.).

[Cayenne (Buff. in Mus. Paris, Sclater collection ♂ and ♀ in Mus. Brit., Mus. H. v. B.).]

252. *Formicivora consobrina microsticta* subsp. nov.

[*Formicivora consobrina* Sclater, *P. Z. S.* 1860 pp. 279, 294 (typ. ex Babahoyo, Ecuador occ. in Mus. Brit.).]

*F. F. consobrina* Scl. dictae maxime affinis differt maculis albis tectricum alarum superiorum majorum apicalibus multo minoribus nec plagam magnam albam formantibus.

♂♂ ad. : al. 54—52 ; caud.  $50$ — $47\frac{1}{2}$  ; culm.  $14\frac{3}{4}$ — $14\frac{1}{4}$  ; tars.  $16\frac{3}{4}$ — $16\frac{1}{2}$  mm.

♀♀ ad. : al. 52—51 ; caud.  $48\frac{1}{2}$ — $47\frac{1}{2}$  ; culm.  $14\frac{1}{2}$ — $14\frac{1}{4}$  ; tars.  $16\frac{3}{4}$ — $16\frac{1}{2}$  mm.

Habitat : in Cayenne (Cherrie leg., et in Mus. Brit.).

Typus in Mus. Tring (♂ ad. Approuague, Cherrie leg., No. 12736).

Approuague : 5 ♂♂ ad., December 9 (three), 15, 16 ; 2 ♀♀ ad., December 8, 9, 1902.

“ Iris seal, feet plumbeous, bill black.”

Nos. 1057, 1070, 1071, 1072, 1083, 12730, 12736.

The Cayenne specimens of this form collected by Mr. Cherrie differ from *F. consobrina* Scl. from W. Ecuador, with which Mr. Sclater has associated his Cayenne bird, by having much smaller rounded white spots on the tips of the larger upper wing-coverts, these spots being not much larger than those on the middle and smaller coverts, while in *F. consobrina* as well as in the allied *F. boucardi* and *F. quixensis* they are very much larger, forming a large white area on the wing. This difference is to be seen in both sexes. Otherwise the Cayenne form resembles *F. consobrina* Scl. of Colombia, and presents the same long white tips to the outer tail-feathers, while *F. boucardi* has them very much shorter.

As far as I can judge from a single female of *F. consobrina* from Chimbo, W. Ecuador, in my collection, the Cayenne females have the under-parts of a somewhat lighter rufous brown, and are more blackish, less greyish on the front.

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

253. *Myrmeciza ferruginea* (Müll.).

*Turdus ferrugineus* Müller, *Natursyst. Suppl.* (1776) p. 141. ex Daubenton, *Pl. Enl.* 500. fig. 2.—  
typ. ex Cayenne in Mus. Paris.

*Myrmeciza cinnamomea* (Gml.) aut.

Ipousin, R. Approuague : 3 ♂♂ ad., January 1, 5, 8, 1903 ; 1 ♀ ad., December 31, 1902.

“Iris seal, feet slate (‘slate-grey’), bill above black, below slate-grey (‘cutting edges of maxilla and mandible plumbeous’ ♀).”

Nos. 12932, 12956, 12998, 13055.

♂♂ : al.  $69\frac{1}{2}$ —64 ; caud.  $59\frac{1}{2}$ —55 ; culm.  $20\frac{3}{4}$ —20 ; tars. 28— $26\frac{1}{2}$  mm.

♀ : al.  $66\frac{1}{2}$  ; caud. 54 ; culm.  $19\frac{3}{4}$  ; tars.  $25\frac{3}{4}$  mm.

[Cayenne (Mus. Paris, typ. ex Buffon, Sclater collection and Atkins in Mus. Brit., Mus. Hein., Mus. Vindob. ex Becoeur et Delalande, Mus. H. v. B. ♀).]

254. *Myrmeciza atrothorax* (Bodd.).

*Formicarius atrothorax* Boddaert, *Tabl. Pl. Enl.* (1783) p. 44 (ex Daubenton, *Pl. Enl.* 701. fig. 2—  
typ. ex Cayenne—♂).

Cayenne : 6 ♂♂ ad., October 22, November 1, 2, 19, 21, 24 ; 1 ♂ semi-ad., October 17, 2 ♀♀ ad., November 24, 26, 1902.

Roche-Marie, Cayenne : 2 ♂♂ ad., November 7 (two) ; 1 ♀ ad., November 7, 1902. Approuague : 1 ♂ juv. December 6, 1902.

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

Nos. 167, 207, 444, 473, 599, 600, 601, 827, 841, 876, 877, 931, 1031.

♂♂ ad. : al.  $57\frac{1}{2}$ — $55\frac{1}{4}$  ; caud. 58— $50\frac{1}{2}$  ; culm.  $17\frac{1}{2}$ — $15\frac{3}{4}$  ; tars.  $25\frac{3}{4}$ — $24\frac{1}{2}$  mm.

♀♀ ad. : al.  $56\frac{3}{4}$ —55 ; caud.  $53\frac{1}{2}$ — $52\frac{1}{2}$  ; culm.  $17\frac{1}{4}$  ;  $25\frac{1}{2}$ — $24\frac{1}{2}$  mm.

[Cayenne (Buff., coll. Deplanches, *vide* Bp., ♀ in Mus. H. v. B.), Oyapoc ♀, Jelski leg.]

[255. *Myrmeciza pelzelni* ScL.

*Myrmeciza pelzelni* Sclater, *Cat. Birds Brit. Mus.* xv. (1890) p. 283 (typ. ex Marabitanas, Rio Negro, Natterer leg. in Mus. Brit.).

Oyapoc : ♂ ♀ in Salvin & Godman collection (nunc in Mus. Brit.).]

[256. *Herpsilochmus sticturus* Salv.

*Herpsilochmus sticturus* Salvin, *Ibis* 1885. p. 424 (hab. Bartica Grove et Camacusa, Brit. Guiana, hab. typ. select. Bartica Grove ♂ in Mus. Brit.).

Cayenne : ♀ in Mus. Paris (*vide* Ménég. et Hellm.).]

257. *Hypocnemis cantator* (Bodd.).

*Formicarius cantator* Boddaert, *Tabl. Pl. Enl.* (1783) p. 44 (ex Daubenton, *Pl. Enl.* 700. fig. 2—  
typ. ex Cayenne).

Roche-Marie, Cayenne : 2 ♂♂ ad., November 6, 7 ; juv., November 6, 1902.

Ipousin, R. Approuague : 7 ♂♂ ad., December 25, 26 (two), 30, 1902, January 2, 5 (two), 1903 ; 1 ♂ juv., December 25, 1902 ; 4 ♀♀, December 26, 1902, January 5 (three), 1903.

“Iris seal, feet slate-grey (‘pale grey,’ ‘greyish,’ ‘greenish grey,’ ‘grey with olive wash’), bill above black, below greyish (slate-grey).”

♂♂ : al. 55—51 ; caud.  $43\frac{3}{4}$ —38 ; culm.  $15\frac{1}{2}$ — $13\frac{3}{4}$  ; tars.  $19\frac{3}{4}$ — $18\frac{1}{2}$  mm.

♀♀ : al. 54— $50\frac{1}{2}$  ; caud.  $41\frac{1}{2}$ — $37\frac{1}{2}$  ; culm.  $14\frac{3}{4}$ — $14\frac{1}{2}$  ; tars.  $19\frac{1}{2}$ — $18\frac{1}{2}$  mm.

Nos. 582, 583, 606, 12822, 12823, 12833, 12834, 12835, 12907, 12977, 12999, 13000, 13001, 13002, 13003.

[Cayenne (Buff., Sclater collection in Mus. Brit., Mus. Vindob. ex Becoeur).]

[258. *Hypocnemis flavescens* Scl.

*Hypocnemis flavescens* Sclater, *P. Z. S.* 1854. p. 609 (typ. ex Marabitanas, Rio Negro, in Mus. Brit.).

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

259. *Hypocnemis naevia* (Gml.).

*Pipra naevia* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 1003 (ex Buff. et Daubenton, *Pl. Enl.* 823 fig. 2—ex Cayenne).

*Hypocnemis theresae* (part.) Sclater (nec Des Murs), *Cat. Birds Brit. Mus.* xv. (1890) p. 292 (Oyapoc).\*

Ipousin, R. Approuague : 1 ♂ ad., December 26 ; 2 ♀♀ ad., December 26, 28, 1902.

“ Iris seal, feet pale flesh, bill black.”

Nos. 12837, 12838, 12877.

♂ : al.  $56\frac{1}{2}$  ; caud.  $36\frac{1}{2}$  ; culm.  $15\frac{3}{4}$  ; tars.  $20\frac{1}{2}$  mm.

♀♀ : al.  $58\frac{1}{2}$ — $56\frac{1}{2}$  ; caud. 35 ; culm.  $15\frac{1}{2}$  ; tars.  $19\frac{3}{4}$  mm.

[Cayenne (Mus. Paris ex Laugier, Buff., Mus. Vindob., ♂♀ ex Becoeur).]

Camopi (Mus. Paris ex Geay).

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

260. *Hypocnemis leucophrys angustirostris* (Cab.).

[*Pithys leucophrys* Tschudi, *Consp. Av.* in Wieg. *Arch.* 1844. p. 18 (typ. ex Vitoc, R. Tullumayo, Peru in Mus. Neuchâtel—cf. *Fauna Peruana Aves.* p. 177.)]

*Conopophaga angustirostris* Cabanis, in Schomb. *Reise Brit. Guiana*, iii. (1848) p. 685 (hab. Brit. Guiana—typ. in Mus. Berol.).

Approuague : 5 ♂♂ ad., December 8 (two), 9 (two), 10, 1902 ; 5 ♀♀ ad., December 8, 10, 11, 15 17, 1902.

“ Iris seal (♂♂), dusky grey (♀♀), feet plumbeous, bill black.”

♂♂ ad. : al.  $69\frac{1}{2}$ —68 ; caud. 48— $44\frac{1}{2}$  ; culm.  $17\frac{1}{2}$ — $17\frac{1}{4}$  ; tars. 25— $24\frac{1}{2}$  mm.

♀♀ ad. : al. 67—65 ; caud.  $46\frac{1}{2}$ —43 ; culm.  $17\frac{1}{4}$ — $16\frac{1}{2}$  ; tars.  $25\frac{3}{4}$ — $24\frac{1}{2}$  mm.

Nos. 1034, 1040, 1065, 1074, 1081, 1096, 1104, 1109, 12728, 12754.

[Cayenne (Mus. Hein.).]

261. *Hypocnemis poecilinota* Cab.

*Hypocnemis poecilinota* Cabanis, Wieg. *Arch.* 1847. pt. i. (1847) p. 213. Pl. iv. f. 2 (typ. ex Brit. Guiana—in Mus. Berol.).

Ipousin, R. Approuague : 2 ♂♂ ad., December 26, 1902, January 8, 1903 ; 2 ♀♀ ad., December 24, 1902, January 7, 1903.

“ Iris seal, feet grey (‘pale grey’), bill black.”

♂♂ ad. : al. 68—64 ; caud.  $45\frac{3}{4}$ — $39\frac{3}{4}$  ; culm.  $17\frac{3}{4}$  ; tars.  $23\frac{3}{4}$ — $22\frac{1}{2}$  mm.

♀♀ ad. : al.  $66\frac{1}{2}$ — $62\frac{1}{2}$  ; caud.  $44\frac{1}{2}$ — $40\frac{3}{4}$  ; culm.  $17\frac{1}{2}$ — $16\frac{3}{4}$  ; tars.  $23\frac{1}{2}$ — $22\frac{1}{2}$  mm.

Nos. 12788, 12839, 13046, 13058.

\* Nec *H. naevia* apud Sclater *ibid.* p. 291, qui = *H. punctulata* (Des Murs) cf. Meneg. & Hellm, *Bull. Soc. Phil. Paris* 1906. p. 45.

These birds agree with others from British Guiana and the Orinoco River. As a rule the females from British Guiana may have the dorsal feathers more uniform, less spotted with black and less margined with fulvous than those from other localities.

Cayenne (Mus. Vindob., ♂ ♀, ex Becoeur).

### 262. *Hypocnemis melanopogon* Scl.

*Hypocnemis melanopogon* Sclater, *P.Z.S.* 1857. p. 130 (descr. orig. ♂ ad. ex Guiana—cf. *Cat. Coll. Am. B.* p. 188. No. 1151a. excl. specim. ex Chamicuros, qui = *H. maculicauda* Pelz.—typ. in Mus. Brit.).

*Myrmoborus obscurus* Cabanis et Heine, *Mus. Hein.* ii. (19 July, 1859) p. 9. descr. av. jr. ex Cayenne—typ. in Mus. Hein. examin.—H. v. B.).

Approuague: 1 ♂ ad., December 8; 2 ♀ ♀ ad., December 10 (two), 1902.

“Iris cinereous, feet plumbeous, bill above black, below slate-black (plumbeous).”

Nos. 1066, 1090, 1106.

♂ ad.: al.  $62\frac{1}{2}$ ; caud.  $36\frac{1}{2}$ ; culm.  $17\frac{1}{4}$ ; tars.  $19\frac{3}{4}$  mm.

♀ ♀ ad.: al.  $62\frac{1}{2}$ ; caud.  $38-36\frac{1}{2}$ ; culm.  $16\frac{3}{4}$ ; tars.  $20\frac{1}{2}-19\frac{3}{4}$  mm.

[Cayenne (Sclater collection in Mus. Brit.), Mus. Hein.; Oyapoc (Sclater collection in Mus. Brit.).]

### 263. *Sclateria naevia* (Gml.).

*Sitta naevia* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 442 (ex Edwards, Pl. 346.—typ. ex Surinam) ♂.

Approuague: 2 ♂ ♂ ad., December 10, 19; 1 ♀ ad., December 8, 1902.

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

“Iris drab (‘drab-brown’), feet dusky (‘dusky flesh-colour’), bill above black, below slate-black (‘slate-grey’).”

♂ ♂ ad.: al.  $71\frac{3}{4}-67\frac{1}{2}$ ; caud.  $51\frac{3}{4}-48\frac{1}{2}$ ; culm.  $23\frac{3}{4}-23\frac{1}{2}$ ; tars.  $25\frac{3}{4}-23\frac{3}{4}$  mm.

♀ ♀ ad.: al.  $69-65\frac{1}{2}$ ; caud.  $50-48\frac{3}{4}$ ; culm.  $23\frac{1}{2}-23$ ; tars.  $25\frac{1}{2}-24\frac{1}{2}$  mm.

Nos. 1064, 1091, 12775, 12871.

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

### 264. *Sclateria leucostigma* (Pelz.).

*Percnostola leucostigma* Pelzeln (ex Natterer & Lafresnaye MS.), *Zur Orn. Bras.* ii. (1868) pp. 86, 160 (hab. Cayenne, Rio Negro, Marabitanas, Rio Vaupé, Barra do Rio Negro—hab. typ. select. Barra—typ. in Mus. Vindob.).

*Heterocnemis simplex* Sclater, *P.Z.S.* 1868 (publ. 1869) typ. ex Surinam.

Ipousin, R. Approuague: 1 ♂ ad., January 5, 1903; ♂ ? fere ad., December 24, 1902; 1 ♀ ad., January 5, 1903.

“Iris grey (‘seal’), feet greyish flesh (‘pale greyish flesh’), bill above black, below slate-grey.”

Nos. 12798, 13008, 13005.

♂ ad.: al.  $67\frac{1}{2}$ ; caud.  $59\frac{1}{2}$ ; culm. 21; tars.  $25\frac{1}{2}$  mm.

♀ ad.: al.  $66\frac{1}{2}$ ; caud.  $57\frac{1}{2}$ ; culm.  $20\frac{3}{4}$ ; tars. 20 mm.

These specimens agree perfectly with Pelzeln’s type specimen from the Rio Negro and with others from Bartica Grove, Brit. Guiana, in Mus. H. v. B.

[Cayenne (♂ in Mus. Vindob. ex Becoeur), Oyapoc, St. George, March 13, 1869 (Jelski leg.) in Mus. Vindob.]

[265. *Sclateria argentata* (Des Murs).

*Herpsilochmus argentatus* Des Murs, *Voy. Casteln. Ois.* (1855) p. 53. Pl. xvii. fig. 2 (typ. ex Nauta, Amaz. sup. in Mus. Paris, ♂ jr.—*file* Meneg. & Hellm.).

Oyapoc: ♂ jr. (Sclater collection in Mus. Brit.)]

[266. *Myrmelastes melanothorax* (Scl.)\*]

*Thamnophilus melanothorax* Sclater, *P.Z.S.* 1857. p. 133 (descr. ♀ hab. "in America meridionali"?—hab. substit. Cayenne).

*Thamnophilus moestus* Pelzeln, 1868 (typ. ex Cayenne).

*Thamnophilus camopiensis* Menegaux, 1904 (typ. ex Camopi, Cayenne).

Cayenne (Mus. Vindob.), Camopi, French Guiana (coll. Geay in Mus. Paris.)]

267. *Percnostola rufa* (Bodd.).

*Turdus rufus* Boddaert, *Tabl. Pl. Enl.* (1783) p. 39 (ex Daubenton, *Pl. Enl.* 644. fig. 1.—typ. ex Cayenne) ♀.

*Percnostola funebris* (Licht.).

Ipousin, R. Approuague: 1 ♂ ad., January 5, 1903; 1 ♂ juv. in transition plumage, December 24; 3 ♀♀ ad., December 26, 1902.

"Iris chestnut (♂ ad.), 'sepia' (♂ juv.), 'seal, brick-red, hazel' (♀), feet slate-grey ('greyish flesh, plumbeous), bill black ('above black, below slate-grey')."

Nos. 12830, 12996, 13026, 15419, 15422.

♂ ad.: al.  $75\frac{1}{2}$ — $73\frac{1}{2}$ ; caud.  $60\frac{1}{2}$ ; culm.  $21\frac{1}{4}$ — $19\frac{3}{4}$ ; tars.  $29\frac{1}{2}$ — $27\frac{3}{4}$  mm.

♀♀ ad.: al.  $75$ — $71\frac{1}{2}$ ; caud.  $62\frac{1}{2}$ — $60\frac{1}{2}$ ; culm.  $20\frac{3}{4}$ — $19\frac{1}{4}$ ; tars.  $29\frac{1}{2}$ — $28\frac{1}{2}$  mm.

Cayenne (Mus. Paris, ♂♂, ♀, ex Poiteau, Langier et Milne-Edwards, Mus. Vindob., ♂ (ex Becoeur), Sclater coll. in Mus. Brit.). Oyapoc, Cayenne (Sclater collection in Mus. Brit.).

268. *Cercomacra nigrescens* (Cab. & Heine).

*Percnostola nigrescens* Cabanis et Heine, *Mus. Hein.* ii. (July 1859) p. 10 (descr. orig. typ. ex Cayenne in Mus. Hein.).

Approuague: 8 ♂♂ ad., December 6, 8 (four), 10 (two), 13; 1 ♂ imm. with remains of the rufous plumage, December 8; 5 ♀♀ ad., December 6, 8 (three), 9; 1 ♀ (probably young male), December 6, 1902.

"Iris drab ('sepia'), feet 'grey' (plumbeous), 'bill black' ('above black, below grey,' 2 ♀♀)."

Nos. 1027, 1028, 1029, 1036, 1037, 1038, 1041, 1042, 1043, 1044, 1045, 1073, 1088, 1089, 1140.

♂♂ ad.: al.  $72\frac{1}{2}$ —69; caud.  $70$ — $64\frac{1}{2}$ ; culm.  $20\frac{3}{4}$ — $19\frac{1}{2}$ ; tars.  $25\frac{1}{2}$ — $23\frac{3}{4}$  mm.

♀♀ ad.: al.  $69$ —66; caud.  $62\frac{1}{2}$ —59; culm.  $19\frac{3}{4}$ — $18\frac{1}{4}$ ; tars.  $24\frac{1}{2}$ — $23\frac{1}{2}$  mm.

There is a good deal of individual variation, as illustrated by the specimens composing the series now before me. Some individuals have the upper wing-coverts of a nearly uniform black, while others have them slightly tipped or margined with white; others show but very slight traces of the white apical margins, and are perfectly intermediate between those with the uniform black wing-coverts and those with the white-tipped coverts.

\* Meneg. & Hellm., *Bull. Soc. Phil. de Paris* 1906. p. 33.

The primary coverts as well as the feathers of the alula in some specimens show broad white margins to the outer webs, while these margins are either altogether absent or but slightly indicated in other individuals of the series. *C. nigrescens* is a near ally of *Pyriglena serva* ScL., but the latter, as lately shown by Dr. Hellmayr, is also a *Cercomacra* and not a *Pyriglena* at all. Dr. Sclater had already placed a female of *C. nigrescens* under the head of *C. serva* (viz No. "i," ♀ ad., Cayenne?) as Hellmayr tells me.

I have compared the type in the Museum Heineanum, kindly lent to me by Oberamtman F. Heine, and have found it to agree perfectly with male specimen collected by Mr. Cherrie.

[269. *Cercomacra napensis* ScL.

*Cercomacra napensis* Sclater, *P.Z.S.* 1868 p. 572 (typ. ex Rio Negro in Mus. Brit.).

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

[270. *Pyriglena leuconota* (Spix).

*Thamnophilus leuconotus* Spix, *Av. Bras.* ii. (1825) p. 28. tab. xxxix. fig. 2 (typ. ex sylvis Parae—olim in Mus. Monac.).

Cayenne (♂ ad. in Mus. Vindob. ex Becoeur sub n. "*P. maura*").]

271. *Pithys*\* *albifrons* (Linn.).

*Pipra albifrons* Linne, *Syst. Nat.* ed. xii. i. 1 (1766) p. 339 (ex Edwards), hab. "Guiana"—sc. Cayenne).

Ipousin, R. Approuague: 4 ♂♂ ad., December 25 (two), 26, 31; 2 ♀♀ ad., December 26, 31, 1902.

"Iris seal, feet orange-yellow, bill above black, below slate-black."

Nos. 12816, 12817, 12853, 12854, 12924, 12925.

♂♂ ad.: al.  $72\frac{1}{2}$ — $70\frac{1}{2}$ ; caud.  $41\frac{1}{2}$ — $40\frac{1}{2}$ ; culm.  $16\frac{3}{4}$ —16; tars.  $22\frac{3}{4}$ — $21\frac{1}{2}$  mm.

♀♀ ad.: al.  $71\frac{1}{2}$ —69; caud.  $40\frac{1}{2}$ — $39\frac{1}{2}$ ; culm.  $17\frac{1}{2}$ — $16\frac{1}{4}$ ; tars.  $22\frac{1}{2}$  mm.

There is no difference between the birds sexed "♀♀," as compared with those sexed "♂♂."

[Cayenne (Sclater collection and Salvin & Godman collection in Mus. Brit.), coll. Deplanches (*vide* Bp.), Mus. Hein., Mus. Vindob. ex Becoeur, Mus. H. v. B.]

272. *Anoplops rufigula* (Bodd.).

*Turdus rufigula* Boddaert, *Tabl. Pl. Enl.* (1783) p. 39 (ex Daubenton, *Pl. Enl.* 644. f. 2.—typ. ex Cayenne in Mus. Paris—*vide* Meneg. & Hellm.).

Ipousin, R. Approuague: 4 ♂♂ ad., December 26 (two), 30, 1902, January 8, 1903; 1 ♀ ad., December 26, 1902.

"Iris brick-red, feet pale flesh-colour, bill blackish slate-grey at tip of mandible, bare skin about eye blue-grey."

Nos. 12849, 12850, 12851, 12916, 13060.

♂♂ ad.: al.  $81\frac{1}{2}$ — $76\frac{1}{2}$ ; caud. 53— $47\frac{3}{4}$ ; culm.  $19\frac{3}{4}$ — $18\frac{1}{2}$ ; tars.  $27\frac{1}{2}$ — $25\frac{3}{4}$  mm.

♀ ad.: al.  $76\frac{1}{2}$ ; caud. 50; culm.  $17\frac{3}{4}$ ; tars.  $26\frac{1}{2}$  mm.

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

\* It is by no means certain that "Manikup" has been proposed by Desmarest as a new generic name. He, of course, begins his Latin diagnosis with the initial "M . . .," but the article is only headed by the word "Manikup," and it is not said that "Manikup" is proposed as a new generic Latin name for this species.

273. *Rhopoterpe torquata* (Bodd.).

*Formicarius torquatus* Boddaert, *Tabl. Pl. Enl.* (1783) p. 43 (ex Daubenton, *Pl. Enl.* 700. fig. 1.—typ. ex Cayenne).

Ipousin, R. Approuague: 2 ♂♂ ad., December 24, 31, 1902; 1 ♀ ad., December 24, 1902.

“Iris chestnut, feet slate-grey, bill black.”

Nos. 12927, 12795, 12754.

♂♂ ad.: al. 94—89½; caud. 39—36; culm. 23¼; tars. 24½ mm.

♀ ad.: al. 93½; caud. 38½; culm. —; tars. 24 mm.

[Cayenne (Buff., Sclater collection in Mus. Brit., in Mus. Vindob. ex Delalande, Mus. H. v. B.).]

274. *Formicarius colma* (Bodd.).

*Formicarius Colma* Boddaert, *Tabl. Pl. Enl.* p. 44 (ex Daubenton, *Pl. Enl.* 703. fig. 1.—typ. ex Cayenne) ♀.

*Formicarius Cayanensis* Boddaert (ex *Pl. Enl.* 821.—typ. ex Cayenne) ♂.

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

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

♂: “Iris seal, feet dusky drab, bill black.”

Nos. 596, 13028.

♀: “Iris seal, feet dusky drab, bill above black, below blackish slate.”

♂ ad.: al. 86½; caud. 50½; culm. 20¼; tars. 29½ mm.

♀ ad.: al. 89½; caud. 52; culm. 20¼; tars. 29½ mm.

This is the species with black front, named *P. nigrifrons* Gld. by Mr. Sclater; but I have little doubt that Daubenton's Plates 821 and 703, fig. 1, are intended to represent this species, and not the Brazilian *F. ruficeps* (Spix).

[Cayenne (Buff., Mus. Vindob. ♂♀, ex Becoeur, Mus. Hein.). Oyapoc, Cayenne, (Sclater collection in Mus. Brit.).]

275. *Formicarius crissalis* (Cab.).

*Myrmornis crissalis* Cabanis, *Journ. f. Orn.* 1861. p. 96 (typ. ex Brit. Guiana in Mus. Berol.).

Ipousin, R. Approuague: 2 ♂♂ ad., January 1, 3, 1903.

“Iris seal, feet drab, bill above black, below blackish slate.”

Nos. 12985, 12954.

♂♂ ad.: al. 96—94; caud. 55—52; culm. 22½—20¾; tars. 22½—21¾ mm.

This form stands perhaps better as *F. hoffmanni crissalis* (Cab.), as it differs from *F. hoffmanni* only by its lighter breast and abdomen.

[Cayenne (Mus. Brit., Mus. Vindob. ex Becoeur).]

[276. *Grallaria varia* (Bodd.).

*Formicarius varius* Boddaert, *Tabl. Pl. Enl.* (1783) p. 44 (ex Daubenton, *Pl. Enl.* 702.—typ. ex Cayenne).

Cayenne (Buffon, Mus. Vindob.).]

277. *Grallaria brevicauda* (Bodd.).

*Formicarius brevicauda* Boddaert, *Tabl. Pl. Enl.* p. 44. (ex Daubenton, *Pl. Enl.* 706. f. 1.—typ ex Cayenne).

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

“ Iris seal, feet slate, bill above black, below pale.”

Al.  $80\frac{1}{2}$ ; caud. 35; culm.  $20\frac{3}{4}$ ; tars.  $44\frac{1}{2}$  mm. No. 12826.

[Cayenne (Sclater collection in Mus. Brit.), Mus. Vindob. et Mus. Leverian.]

[278. *Grallaria macularia* (Tem.).

*Pitta macularia* Temminck, *Pl. Col.* sub tab. 217.

Oyapoc, Cayenne (Sclater collection in Mus. Brit.).

Cayenne (Mus. Vindob. ex Becoeur.)

279. *Conopophaga aurita* (Gml.).

*Turdus auritus* Gmelin, *Syst. Nat.* ed. xiii. i. 1 (1788) p. 827 (ex Buff. & Daubenton *Pl. Enl.* 822. fig. 1 ♂, fig. 2 ♀—typ. ex Cayenne).

Ipousin, R. Approuague : 1 ♂ ad., December 31, 2 ♀ ♀ ad., December 31, 1902, January 6, 1903.

“ Iris seal, feet greyish lavender (‘ pale lavender,’ ‘ pale grey’), ‘ bill black ’ (‘ above black, below dusky,’ ♀ January 6).”

Nos. 12930, 12931, 13035.

♂ ad. : al.  $66\frac{1}{2}$ ; caud. 33; culm.  $14\frac{1}{2}$ ; tars.  $25\frac{1}{2}$  mm.

♀ ♀ ad. : al.  $66\frac{1}{2}$ ; caud.  $33\frac{1}{2}$ — $32\frac{1}{2}$ ; culm.  $13\frac{3}{4}$ — $12\frac{1}{2}$ ; tars. 26— $25\frac{3}{4}$  mm.

[Cayenne (Sclater collection in Mus. Brit., in Mus. Paris ex Poiteau et Faber).]

280. *Corythopsis torquata anthoides* (Puch.).

[*Corythopsis torquata* Tschudi, *Arch. Naturg.* x. 1. (1844) p. 279. typ. ex Peru—in Mus. Neuchâtel.]  
*Muscicapa anthoides* Pucheran (ex Cuvier), *Arch. du Mus. Paris*, vii. (1855) p. 334 (typ. ex Cayenne in Mus. Paris).

Ipousin, R. Approuague : 1 ♂ ad., December 27, 1902; 1 ♀ ad., 1 ♀ jr., 8 and 6 January, 1903.

“ Iris wood-brown (♀ ‘ drab grey,’ seal), bill above black, below pale greyish flesh-colour (♀ ♀ ‘ below pale greyish,’ ‘ buffy yellowish,’ feet greyish flesh, ♀ ‘ grey,’ pale greyish).”

Nos. 12868, 13029, 13059.

♂ ad. : al.  $66\frac{1}{2}$ ; caud.  $54\frac{1}{2}$ ; culm.  $14\frac{3}{4}$ ; tars.  $24\frac{3}{4}$  mm.

♀ ad. : al.  $62\frac{1}{2}$ ; caud.  $48\frac{1}{2}$ ; culm.  $14\frac{1}{2}$ ; tars. 24 mm.

[Cayenne (Sclater collection, ♀ ad. in Mus. Brit., Mus. Paris), Camopi, Guyane française (coll. F. Geay) in Mus. Paris.]

[To be continued.]





