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MATABELE LAND

AND

THE VICTORIA FALLS

FROM THE LETTERS & JOURNALS OF THE LATE

FRANK OATES, F.R.G.S.

APPENDIX II.

ORNITHOLOGY

By R. BOWDLER SHARPE, F.L.S., F.Z.S., ETC.

SENIOR ASSISTANT, ZOOLOGICAL DEPARTMENT,
BRITISH MUSEUM

LONDON

C. KEGAN PAUL & CO., 1 PATERNOSTER SQUARE

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[Extracted from *Matabele Land and the Victoria Falls; from the Letters and Journals of the late FRANK OATES, F.R.G.S.* London, C. Kegan Paul and Co. 1881.]

APPENDIX II.

ORNITHOLOGY.

By R. BOWDLER SHARPE, F.L.S., F.Z.S., Etc.

Senior Assistant, Zoological Department, British Museum.

(PLATES A, B.)

THE Collection of Birds made by the late Mr. Frank Oates was formed by that gentleman with the greatest care, and it is seldom that it falls to the lot of the naturalist to examine a series of birds in which the particulars of capture are so carefully noted on each specimen as in the present instance. For this reason alone, therefore, the collection is of great importance; but, besides this, it represents without doubt a very fair idea of the avifauna of the parts of the Transvaal and Matabele countries through which Mr. Oates travelled. Of the birds of the former province Mr. Ayres has published several accounts in recent volumes of the "Ibis," and in the same journal for 1874, Mr. T. E. Buckley gave a list of the birds met with by him on his journey through the Matabele country, where he travelled for some part of the time with Mr. Oates: but as Mr. Buckley did not get beyond Tati, it has been left for Mr. Oates to give us the first account of the birds which are to be met with between that place and the Zambesi. His untimely death was a great loss to science, for, after his long journey to that river, he had at last reached a *terra fere incognita* to the ornithologist, where there is little doubt that further researches would have crowned his efforts with the discovery of many new and important facts. The avifauna of the Zambesi region is

29. Sept 1871

almost unknown, Dr. Kirk being the only naturalist who has written upon the birds, and the species which he has recorded are sufficiently interesting to arouse our interest in the further exploration of the locality. As far as one can judge from the materials at present existing in museums, the birds of the Zambesi region would appear to have their nearest affinities in those of South-western Africa, that is, the provinces of Benguela, Mossamedes, and the Ovampo country to the north of Damara Land. Thus it is that *Accipiter ovampensis* of Gurney, discovered in Ovampo Land, is now known from the Zambesi (*Mus. Brit.*), and, on the other hand, the Zambesi Kestrel (*Cerchneis Dickinsoni*) occurs also in South-western Africa. Instances of this kind might be multiplied to a greater extent, but an exact comparison cannot be made until the two regions have been more thoroughly explored. The Victoria Falls, up to the present time, constituted the only locality whence the peculiar Babbling-Thrush (*Pinarornis plumosus*) and Shelley's Wheatear (*Saxicola Shelleyi*) have yet been found, but one of these has now been discovered by Mr. Oates in the Matabele country. Future research may increase the known range of the other Zambesi birds in a southerly direction, and it seems unlikely that the Zambesi region possesses a peculiar bird-fauna.

On its arrival in England Mr. Oates's collection was placed in the hands of my friend Captain G. E. Shelley for determination, and the species were in nearly every case identified by him. My task has therefore been a very light one. All the field-notes in the following pages are taken from Mr. Oates's labels, and I am responsible only for the remarks placed between brackets "[]." A reference is given to my new edition of Layard's *Birds of South Africa* as far as published, to the first edition of that work, to my *Catalogue of African Birds*, and to standard works, such as Finsch and Hartlaub's *Vögel Ost-afrika's*, Gurney's edition of Andersson's *Birds of Damara Land*, etc.

The following LIST of LOCALITIES, alluded to in the ensuing pages, where specimens were obtained by Mr. Oates, will enable the reader, by a reference to the general map in this volume, to determine the position of each locality indicated :—

	Lat.	Long.
Bamangwato	23.1 S.	26.45 E.
Bisschop's Farm, Transvaal . .	26.7 S.	29.12 E.
Blauw Krans River, Natal . .	28.55 S.	29.48 E.
Branslow's Farm, Transvaal . .	26.4 S.	29.9 E.
Crocodile River	25.34 S.	28.28 E.
Daka River	18.45 S.	25.57 E.
Dry River (Sakasusi)	21.9 S.	28.10 E.
Durban	29.51 S.	31.0 E.
Eland's River	25.19 S.	28.3 E.
First Makalaka kraal on Zambesi road, (Wankee's Kraal)	20.33 S.	27.26 E.
Geruah	19.19 S.	26.30 E.
Gokwe River	22.8 S.	27.36 E.
Gubuleweyo	20.23 S.	28.50 E.
Gwailo River	19.14 S.	29.49 E.
Hendrik's Vlei	18.57 S.	26.26 E.
Hex River	25.20 S.	28.4 E.
High Veldt, Transvaal	26.35 S.	29.40 E.
Holfontein	24.26 S.	27.46 E.
Hope Fountain	20.22 S.	28.51 E.
Impakwe River	21.4 S.	27.54 E.
Inchlangin	19.42 S.	29.14 E.
Inkwesi River	20.55 S.	28.0 E.
Inquiquesi River	19.42 S.	29.13 E.
Inyati	19.41 S.	29.15 E.
John Scott's Farm, Transvaal . .	26.11 S.	29.23 E.
Kaar Kloof Heights, Pietermaritzburg .	29.19 S.	30.2 E.
Ladysmith	28.37 S.	29.38 E.
Lion Camp, Crocodile River . .	24.18 S.	27.48 E.
Makalapsi River	22.58 S.	26.54 E.
Matengwe River	20.24 S.	27.28 E.
Meriko River	24.10 S.	27.30 E.
Metli River	22.55 S.	26.56 E.
Mopani Pan	21.18 S.	27.50 E.
Motloutsi River	21.52 S.	27.41 E.
Nata River	19.53 S.	27.4 E.
Newcastle	27.47 S.	29.50 E.
Palatswe River	22.38 S.	27.16 E.

	Lat.	Long.
Pantamatenka River . . .	18.39 S.	25.41 E.
Pietermaritzburg . . .	29.34 S.	30.24 E.
Pilandsberg . . .	25.12 S.	27.35 E.
Pinetown . . .	29.50 S.	30.50 E.
Pretoria . . .	25.42 S.	28.50 E.
Ramaqueban River . . .	21.11 S.	27.52 E.
Retief's Drift, Vaal River . . .	26.50 S.	29.58 E.
Sand Spruit, Transvaal . . .	27.11 S.	30.18 E.
Second Makalaka kraal on Zambesi road	20.31 S.	27.26 E.
Semokwe River . . .	21.7 S.	28.17 E.
Seruli River . . .	22.32 S.	27.29 E.
Shashe River . . .	21.34 S.	27.44 E.
Sibanani . . .	19.45 S.	26.58 E.
Sunday's River, Transvaal . . .	28.21 S.	29.49 E.
Tamasancha . . .	19.32 S.	26.40 E.
Tamassetsie . . .	19.10 S.	26.28 E.
Tati . . .	21.28 S.	27.45 E.
Tchakani Vlei . . .	22.48 S.	27.5 E.
Tibakai's Pan . . .	18.52 S.	26.18 E.
Touani River . . .	22.52 S.	26.59 E.
Umvungu River . . .	19.21 S.	29.41 E.
Victoria Falls, Zambesi . . .	17.57 S.	25.48 E.
Witfontein . . .	24.28 S.	27.46 E.

Order ACCIPITRES.

Sub-order FALCONES.

Family VULTURIDÆ.

1. *OTOGYPS AURICULARIS* (Daud.): Sharpe, ed. Layard's *Birds of South Africa*, p. 4. Eared Vulture.

a. Shot at dead elephant, near Umvungu River, about the middle of November 1873. Iris dark hazel; bill pale horn-colour, bluish grey at base; head and neck livid and red (scabby); legs and feet pale bluish grey; claws black.

2. *NEOPHRON PILEATUS* (Burch.): Sharpe, *z. c.* p. 7. Hooded Vulture.

a. Ramaqueban River, August 6, 1874. Iris dark; bill neutral tint; head and neck pale dirty blue, tinged with pink on the cheeks; legs pale dirty blue; claws black. A female, I am nearly sure.

3. *CIRCUS RANIVORUS* (Daud.): Sharpe, *z. c.* p. 14. South African Marsh-Harrier.

a. ♂ Near Pretoria, June 22, 1873. Iris bright chrome; legs pale yellow. Ball of hair in stomach; mouse or rat skin in crop.

4. MELIERAX CANORUS (Rislach): Sharpe, *t. c.* p. 17. Chanting Goshawk.

a. ♂ Bush veldt, between Pretoria and Bamangwato, July 1873. Iris bright raw sienna; base of beak orange (?); legs red. Crop and stomach very full, containing large ants, rat, lizard, etc.

5. MELIERAX GABAR (Daud.): Sharpe, *t. c.* p. 19. Red-faced Goshawk.

a. ♀ (adult.) Lion Camp, Crocodile River, July 1873.

b. (juv.) Second Makalaka kraal on Zambesi road, September 3, 1874. Iris deep orange, approaching burnt sienna; bill black, orange all round the nostril and base; skin round eye pale blue; legs fine reddish, clouded and spotted with dusky black; claws black.

6. ASTUR POLYZONOIDES (Smith): Sharpe, *t. c.* p. 22. Many-banded Goshawk.

a. ♀ (adult.) First Makalaka kraal on Zambesi road, August 22, 1874. Iris rich deep orange; bill black, pale bluish at base; skin round base yellow (pale); skin round eye pale bluish, inclining to yellow; claws black. Lizard in stomach.

b. ♂ Hendrik's Vlei, December 18, 1874. Iris crimson; bill black, becoming pale blue just under nostril; cere and gape and skin round eye yellow; legs orange-yellow; claws black. In stomach large insects and lizard (?).

[This pretty little Goshawk is rare in South Africa, but appears to increase in numbers towards the Zambesi, whence I have recently seen a series collected by Dr. Bradshaw.]

7. BUTEO JACKAL (Daud.): Sharpe, *t. c.* p. 26. Jackal Buzzard.

a. ♂ Newcastle, June 4, 1873. Iris pale golden hazel.

8. MILVUS ÆGYPTIUS (G.): Sharpe, *t. c.* p. 49. Yellow-billed Kite.

a. ♂ (testes well developed.) Ramaqueban River, September 17, 1874. Iris bright hazel; bill golden yellow, inclining to horn-colour on upper and lower mandibles, but bright at the base and nostrils; legs golden yellow, somewhat dusky; claws black. Lizards in stomach; very fat.

b. ♂ Tati, October 1874.

9. ELANUS CÆRULEUS (Desf.): Sharpe, *t. c.* p. 52. Black-shouldered Kite.

a. ♂ (?) (imm.) Hex River, July 1873. Iris bright raw sienna. Mouse or rat in stomach.

b. (adult.) Not labelled.

10. FALCO MINOR, Bp.: Sharpe, *t. c.*, p. 57. South African Peregrine Falcon.

a. (adult.) Not labelled.

11. *FALCO BIARMICUS* (Temm.) : Sharpe, *t. c.* p. 58, pl. ii. South African Lanner.
a. ♂ Newcastle, June 3, 1873. Iris very dark. Remains of mouse or rat, and a great many grasshoppers' heads, in the stomach.
12. *CERCHNEIS RUPICOLA* (Daud.) : Sharpe, *t. c.* p. 62. South African Kestrel.
a. ♂ Newcastle, June 3, 1873. Iris very dark.
b. ♀ Newcastle, June 3, 1873.
c. Not labelled.
13. *CERCHNEIS TINNUNCULOIDES* (Temm.) *Cerchneis naumanni*, Sharpe, *t. c.* p. 64. Lesser Kestrel.
a. ♀ (adult.) Holfontein, November 25, 1873. Iris dark hazel.
14. *CERCHNEIS AMURENSIS* (Radde) : Sharpe, *t. c.* p. 66. Eastern Red-footed Kestrel.
a. ♀ (adult.) Between Sibanani and Tamasancha, December 9, 1874. Iris hazel ; skin round eye yellow ; skin at base of bill orange ; bill dark greyish blue, pale yellow at base, the yellow colour predominating over the blue on the lower mandible ; legs and feet orange ; claws pale dusky orange. In stomach flying ants, which it was catching in the air, amongst many other birds, when shot. The male, I think, is less, and more distinctly marked.
 [Dr. Kirk was the first to discover this Kestrel in the Zambesi region, and there were specimens in Dr. Bradshaw's collection.]

Sub-order STRIGES.

Family BUBONIDÆ.

15. *BUBO LACTEUS* (Temm.) : Sharpe, *t. c.* p. 71. Verreaux's Eagle Owl.
a. ♀ (adult.) Inkwesi River, August 5, 1874. Iris dark (? dark blue), but much sunk in when I got it ; bill very pale blue ; claws dusky black.
16. *BUBO MACULOSUS* (Vieill.) : Sharpe, *t. c.* p. 73. Spotted Eagle Owl.
a. Not labelled.
17. *SCOPS LEUCOTIS* (Temm.) : Sharpe, *t. c.* p. 74. White-faced Scops Owl.
a. ♀ (adult.) Near Umvungu River, November 3, 1873. Native name, "Secova." Iris deep orange. Ova size of mustard seed. Remains of small rat in stomach. Sitting on nest, made, I think, in an old one, as there were many similar ones, as of a colony of birds, in the trees about. Three well-grown young ones in nest, very fierce, as was the old one.

18. *GLAUCIDIUM PERLATUM* (Vieill.) : Sharpe, *Cat. B.* ii. p. 209.
Carine perlata, Sharpe, ed. Layard, p. 77. African Pearl-spotted Owllet.
a. ♀ Tati, August 29, 1873. Iris chrome yellow.
b. ♂ Tati, October 10, 1874. Iris bright yellow ; bill whitish.
c. Not labelled.
19. *ASIO CAPENSIS* (Smith) : Sharpe, *t. c.* p. 78. African Short-eared Owl.
a. Pietermaritzburg, about the beginning of May 1873. Iris dark brown.
b. ♂ Marsh near Newcastle, June 1, 1873. Iris deep orange. I saw several of these Owls whilst snipe-shooting. Another shot was much softer in plumage, like a young bird.

Family STRIGIDÆ.

20. *STRIX CAPENSIS*, Smith : Sharpe, *t. c.* p. 81. South African Grass-owl.
a. Sand Spruit, Transvaal, June 8, 1873. Iris very dark.
21. *STRIX FLAMMEA*, L. : Sharpe, *t. c.* p. 82. Barn Owl.
a. ♀ (old bird probably). Tati, September 18, 1874. Iris very dark hazel ; bill pale flesh-colour.
b. ♀ (?) Tati, September 18, 1874. Very fat. Iris very dark hazel ; bill pale flesh-colour ; feet whitish ; claws black.
c. ♂ (?) (undeveloped). Tati, October 3, 1874. Remains of rat in stomach.

Order PICARIÆ.

Family CAPRIMULGIDÆ.

22. *CAPRIMULGUS EUROPEUS*, L. : Sharpe, *t. c.* p. 83. European Nightjar.
a. Not labelled.
23. *CAPRIMULGUS RUFIGENIS*, Smith : Sharpe, *t. c.* p. 85. Rufous-cheeked Nightjar.
a. ♀ Semokwe River, September 24, 1873.
b. ♂ Semokwe River, October 1873. Iris hazel.
c. ♀ Tati, March 21, 1874.
d. ♀ Tati, October 1, 1874. Iris hazel ; legs pale brown.
e. ♀ Tati, October 1874.
24. *CAPRIMULGUS MOSSAMBICUS*, Peters : Sharpe, *t. c.* p. 88. Mozambique Nightjar.
a. ♀ Tati, March 21, 1874. Iris dark hazel. Stomach very full of beetles, moths, and other insects.
b. Not labelled.

25. *COSMETORNIS VEXILLARIUS* (Gould) : Sharpe, *t. c.* p. 89. Standard-winged Nightjar.

a. ♂ (juv.) Victoria Falls, Zambesi, January 2, 1875. Iris dark hazel; upper mandible and tip of lower one dusky, the base of the latter flesh-colour; legs dirty flesh-colour. Large winged ants and large beetle in stomach.

Family CYPSELIDÆ.

26. *CYPSELUS APUS* (L.) : Sharpe, *t. c.* p. 90. Common Swift.

a. ♀ (adult.) Between Sibanani and Tamasancha, December 9, 1874. Iris hazel; bill black; legs and feet dirty flesh-colour, dusky towards the tips and on the claws. Flying ants in stomach.

Family MEROPIDÆ.

27. *MEROPS APIASTER*, L. : Sharpe, *t. c.* p. 96. European Bee-eater.

a. ♂ Crocodile River, November 15, 1873. Iris crimson.

b. ♀ (juv.) Inchlanguin, about the beginning of December 1873. Iris pale crimson.

c. ♀ (?) Hendrik's Vlei, December 18, 1874. Iris crimson; bill black; legs brown; claws whitish.

28. *MEROPS SUPERCILIOSUS*, L. : Sharpe, *t. c.* p. 97. Blue-cheeked Bee-eater.

a. ♂, *b.* ♀ Hendrik's Vlei, December 18, 1874. Iris crimson; bill black; legs brown; claws whitish. In stomach large flying insects (? dragon-flies).

29. *MEROPS NUBICOIDES*, Smith : Sharpe, *t. c.* p. 99, pl. iv. fig. 2. Carmine-throated Bee-eater.

a. Daka River, January 20, 1875. Iris dark hazel; bill black; legs neutral tint, marked with greyish white; claws dusky. Beetles, etc., in stomach.

b. ♂ Geruah, January 24, 1875. Iris dark hazel; bill black; feet, legs, and claws, dark neutral tint; legs and feet covered with whitish scales. Beetles, wasps, etc., in stomach.

30. *MEROPS BULLOCKOIDES*, Smith : Sharpe, *t. c.* p. 99, pl. iv. fig. 1. White-fronted Bee-eater.

a. Crocodile River, July 1873. Iris hazel.

b. ♂ Crocodile River, November 9, 1873. Iris hazel.

31. *MEROPS PUSILLUS*, P. L. S. Müll. : Sharpe, *t. c.* p. 100. Little Bee-eater.

a. Tati, March 24, 1874. Iris crimson; bill, legs, and claws black. Stomach not at all muscular, containing remains of insects like beetles.

b. Tati, March 24, 1874. Soft parts as above. Stomach contained winged insects.

c. Tati, March 24, 1874.

d. ♂ (?) Tati, March 26, 1874. Iris crimson. Stomach contained remains of insects—winged, I think.

32. *DICROCERCUS HIRUNDINACEUS* (Vieill.): Sharpe, *t. c.* p. 101. Swallow-tailed Bee-eater.

a. ♂ Near the Pantamatenka River, January 12, 1875. Iris crimson; bill black; legs dark neutral tint; claws black. Flying insects in stomach.

Family CORACIDÆ.

33. *CORACIAS GARRULA*, L.: Sharpe, *t. c.* p. 102. European Roller.

a. ♀ (adult.) Tati, March 26, 1874. Extremely fat. Iris hazel, darker round pupil, then light.

b. Tati, March 28, 1874. Sex undeterminable, the bird being apparently young. Very fat, as was the hen bird skinned before. Stomach full of huge grasshoppers.

34. *CORACIAS NÆVIA*, Daud.: Sharpe, *t. c.* p. 103. White-naped Roller.

a. ♀ (I believe.) First Makalaka kraal on Zambesi road, August 24, 1874. Iris pale hazel (a dark ring round the pupil?); legs dull orange, inclining to olive; bill and claws black. Grasshoppers or locusts in stomach.

b. ♂ Second Makalaka kraal, Zambesi road, September 9, 1874. Iris hazel, dark round pupil, then pale; legs pale greenish orange. Stomach contained remains of beetles.

35. *CORACIAS CAUDATA*, Vieill.: Sharpe, *t. c.* p. 104. Lilac-breasted Roller.

a. ♂ Holfontein, November 25, 1873. Iris light hazel.

b. ♂ First Makalaka kraal, Zambesi road, August 18, 1874. Iris deep hazel round the pupil, outside this very pale; legs olive; claws and bill black. Stomach very large, but not muscular, containing a snake about a foot long, and remains of grasshoppers. Head very large for size of bird.

c. ♂ First Makalaka kraal, Zambesi road, August 24, 1874. Iris hazel; bill and claws black; legs pale dirty orange with an olive tinge. Lizard and grasshoppers or locusts in stomach.

d. ♀ Between the Pantamatenka River and Zambesi, January 11, 1875. Iris hazel; bill black; legs pale greenish orange; claws black. In stomach centipedes (?).

e. ♀ Geruah, January 24, 1875. Iris hazel; bill black; legs yellowish blue; claws blue. Soft ants in stomach.

f. Not labelled.

36. *EURYSTOMUS AFER* (Lath.): Sharpe, *t. c.* p. 106. Cinnamon Roller.

a. ♂ Near Umvungu River, November 3, 1873. Native name

"Tchegala." Iris hazel, not dark; bill bright yellow. Stomach muscular, containing remains of beetles.

Family *ALCEDINIDÆ*.

37. *CORYTHORNIS CYANOSTIGMA* (Rüpp.): Sharpe, *t. c.* p. 108. Malachite-crested Kingfisher.

a. Sibanani, December 11, 1874. Iris hazel; bill and legs vermilion.

38. *CERYLE RUDIS* (L.): Sharpe, *t. c.* p. 110. Pied Kingfisher.

a. ♂ Meriko River, November 17, 1873. Iris dark hazel.

b. ♂ High Veldt, Transvaal, December 7, 1873. Iris dark hazel.

39. *CERYLE MAXIMA* (Pall.): Sharpe, *t. c.* p. 111. Great African Kingfisher.

a. ♀ Matengwe River, December 2, 1874. Iris hazel; bill dark slate-colour; legs slate-colour.

40. *HALCYON SEMICÆRULEA* (Forsk.): Sharpe, *t. c.* p. 114. African White-headed Kingfisher.

a. ♀ (?) Geruah, December 15, 1874. Iris dark hazel; bill orange-red, black at tip and base; legs and feet dark purplish-brown, orange at back of legs and on soles.

41. *HALCYON ALBIVENTRIS* (Vieill.): Sharpe, *t. c.* p. 115. Brown-hooded Kingfisher.

a. ♂ (?) Crocodile River, July 1873. Beetles and grasshoppers in stomach.

42. *HALCYON CHELICUTENSIS* (Stanl.): Sharpe, *t. c.* p. 117. Striped Kingfisher.

a. ♂ Crocodile River, July 1873. Stomach contained grasshoppers.

b. ♀ Crocodile River, July 1873. Beetles and grasshoppers in stomach.

43. *HALCYON CYANOLEUCA* (Vieill.): Sharpe, *t. c.* p. 120. Angola Kingfisher.

a. ♀ Crocodile River, November 15, 1873. Iris hazel.

b. ♂ Nata River, December 5, 1874. Makalaka name "Gogoda." Iris hazel; upper mandible deep carnation, black at tip and gape; under mandible black; legs black. Stomach empty, but for a few remains of insects. This species has a twittering cry; they say it stays in the mopani.

c. ♂ Nata River, December 6, 1874. Iris hazel; upper mandible deep carnation, black at tip and gape; lower mandible and legs black.

d. ♂ Nata River, December 6, 1874. Iris hazel.

Family BUCEROTIDÆ.

44. *TOCKUS FLAVIROSTRIS* (Rüpp.): Sharpe, *t. c.* p. 130. Yellow-billed Hornbill.
a. ♂, *b. c.* ♀ Near Crocodile River, July 1873. Iris very pale ochre. Flying ants in stomach.
d. ♀ (juv.) Motloutsi River, August 24, 1873. Iris ochreous.
45. *TOCKUS NASUTUS* (L.): Sharpe, *t. c.* p. 133. African Grey Hornbill.
a. Not labelled.

Family UPUPIDÆ.

46. *UPUPA AFRICANA*, Bechst. : Sharpe, *t. c.* p. 134. South African Hoopoe.
a. ♀ Between Pretoria and Bamangwato, July 1873. Iris hazel (?). In stomach, a tick and seeds.
47. *IRRISOR ERYTHORHYNCHUS* (Lath.) Red-billed Wood-Hoopoe.
a. ♂, *b.* ♀ Crocodile River, November 1873. Iris hazel.
c. ♀ (?) Tati, June 26, 1874. Shot out of three by Cornelis, who saw them hopping about oddly on the road. Iris dark hazel; bill and legs bright orange-red; claws black. Stomach containing large chrysalides and a grasshopper.
d. ♀ First Makalaka kraal, Zambesi road, August 30, 1874. Iris dark hazel; bill and legs vermilion, the latter less bright and inclining to orange; claws black. Stomach small and not muscular, containing remains of small insects and large grubs. This bird has a peculiar chattering note, often repeated. There were three or four of them when this was shot, climbing about on tree trunks like Creepers.
48. *RHINOPOMASTES CYANOMELAS* (Vieill.) Scimitar-billed Wood-Hoopoe.
a. ♂ Near Metli River, August 10, 1873. Iris hazel. Stomach large, containing flying ants and large insects.
b. ♂ Seruli River, October 18, 1873. Iris hazel.
c. ♂ Palatswe River, October 20, 1873. Iris hazel.
d. ♂ Tati, October 1874.
e. Not labelled.

Family MUSOPHAGIDÆ.

49. *SCHIZÆRHIS CONCOLOR*, Smith : Sharpe, *t. c.* p. 144. Grey Plantain-eater.
a. Crocodile River, July 1873. Iris deep grey.
b. ♂ Transvaal, December 1873. Iris hazel.

Family COLIIDÆ.

50. *COLIUS STRIATUS*, Lath. : Sharpe, *Cat. Afr. B.*, p. 12. South African Coly.
a. Not labelled.
51. *COLIUS ERYTHROMELON*, Vieill. : Sharpe, *Cat. Afr. B.*, p. 12. Quiriva Coly.
a. ♂ (?) Makalapsi River, August 8, 1873. Iris dark ; bill black ; base and skin round eyes madder ; claws madder.

Family CUCULIDÆ.

52. *CUCULUS CLAMOSUS*, Cuv. : Sharpe, ed. Layard, p. 150. Black Cuckoo.
a. ♀ Crocodile River, November 9, 1873. Iris light hazel.
53. *CUCULUS CUPREUS*, Boddaert. *Chrysococcyx cupreus*, Sharpe, *t. c.* p. 153. Golden Cuckoo.
a. ♂ Crocodile River, November 8, 1873. Iris scarlet.
b. ♀ Crocodile River, November 9, 1873. Iris light brown.
54. *COCCYSTES CAFER* (Licht.) : Sharpe, *t. c.* p. 158. Le Vaillant's Cuckoo.
a. Crocodile River, November 14, 1873. Iris light hazel.
b. ♀ (?) Tati, October 17, 1874. Iris hazel ; bill and legs black.
55. *CENTROPUS SENEGALENSIS* (L.) : Sharpe, *t. c.* p. 162. Lark-heeled Cuckoo.
a. ♀ Tati, August 28, 1873. Iris crimson.
b. ♂ Ramaqueban River, September 4, 1873.
56. *CENTROPUS SUPERCILIOSUS* (H. and E.) : Sharpe, *t. c.* p. 163. White-eyebrowed Lark-heeled Cuckoo.
a. ♀ Crocodile River, July 1873. Iris crimson.

Family INDICATORIDÆ.

57. *INDICATOR SPARMANNI* (Steph.) : Sharpe, *t. c.* p. 166. White-eared Honey-guide.
a. ♀ Holfontein, July 1873. Iris light brownish hazel.
b, c. Not labelled.

Family CAPITONIDÆ.

58. *POGONORHYNCHUS LEUCOMELAS* (Bodd.) : Sharpe, *t. c.* p. 173. Pied Barbet.
a. ♀ Pretoria, July 24, 1873. Iris very dark. Stomach large, thin, and full of fruit ; a good deal of flesh about the head.
b. ♀ Pretoria, July 1873. Iris dark hazel.
c. Tati, October 6, 1874. Bill and legs black.

59. *TRACHYPHONUS CAFER* (Vieill.): Sharpe, *t. c.* p. 178. Le Vaillant's Barbet.

a. ♀ Crocodile River, July 1873. Iris red.
b. ♀ Crocodile River, November 15, 1873. Iris crimson.
c. ♂ Crocodile River, November 30, 1873. Iris crimson.
d. Not labelled.

Family PICIDÆ.

60. *CAMPETHERA BENNETTI*, Smith: Sharpe, *t. c.* p. 181. Bennett's Woodpecker.

a. Second Makalaka kraal, Zambesi road, September 7, 1874. Iris lake; bill blackish slate-colour; legs and claws slate-colour, inclined to olive.

61. *CAMPETHERA ABINGTONI*, Smith: Sharpe, *t. c.* p. 182. Golden-tailed Woodpecker.

a. Not labelled.

62. *CAMPETHERA SMITHII*, Malh.: Sharpe, *t. c.* p. 184. Smith's Woodpecker.

a. Tati, October 6, 1874. Bill dusky slate-colour; legs pale whitish olive.

b, c. Not labelled.

63. *DENDROPICUS NAMAQUUS* (Licht.): Sharpe, *t. c.* p. 188. Bearded Woodpecker.

a. ♂ Motloutsi River, August 23, 1873. Iris crimson lake.

b. ♀ Ramaqueban River, July 30, 1874. Iris lake; bill slate-colour; legs dark greenish slate-colour; claws dark. Stomach containing large caterpillars.

c. ♂ Ramaqueban River, August 2, 1874. Iris lake; bill slate-colour; legs dark greenish slate-colour; claws black. Stomach containing large caterpillars.

64. *DENDROPICUS CARDINALIS* (Gm.): Sharpe, *t. c.* p. 190. Cardinal Woodpecker.

a. ♂ Between Pretoria and Bamangwato, July 1873. Iris deep crimson.

b. ♂ Ramaqueban River, September 4, 1873. Iris crimson.

c. ♀ Tati, October 7, 1874. Iris red (?); bill and legs dark slate-colour (?).

65. *IYNX PECTORALIS* (Vigors); Sharpe, *t. c.* p. 191. Red-breasted Wryneck.

a. Blauw Krans River, Natal, May 22, 1873. Iris red-brown; legs pale greenish grey.

Family PSITTACIDÆ.

66. *PSITTACUS ROBUSTUS*, Gm.; Sharpe, *t. c.* p. 194. Le Vaillant's Parrot.

a. Not labelled.

67. *PSITTACUS MEYERI* (Rüpp.) : Sharpe, *t. c.* p. 195. Meyer's Parrot.

a. Witfontein, July 1873.

b. ♂ Holfontein, July 1873. Iris very light hazel. (Another ♂ shot, brighter in plumage, had the iris hazel round pupil, then burnt sienna.)

c. ♀ Second Makalaka kraal, Zambesi road, September 4, 1874. Iris hazel round pupil, then orange; bill blackish slate-colour; legs and claws dusky black.

d. ♂ Tati, October 7, 1874. Bill and legs dark slate-colour.

e. ♀ Tati, October 9, 1874. Bill and legs dark slate-colour. Seeds in stomach.

Order PASSERIFORMES.

Family TURDIDÆ.

68. *TURDUS LITSITSIRUPA*, Smith : Sharpe, *t. c.* p. 198. South African Thrush.

a. ♂, *b.* ♀ Pair of thrushes shot together near Eland's River, July 1873. Iris hazel.

c. ♀ (Ovary very rudimentary). Tati, March 19, 1874. Iris dark hazel; upper mandible dusky black, under one orange; legs flesh-colour.

d. ♂ Tati, October 1874.

69. *MYRMECOCICHLA FORMICIVORA* (Vieill.) ; Sharpe, *t. c.* p. 231. Southern Ant-eating Wheatear.

a, b. ♂ Near Newcastle, May 30, 1873. Iris hazel. Stomach very muscular, containing seeds and beetles. Found perching on ant-hills, from which it rises with a hovering flight, something like a Skylark.

70. *SAXICOLA GALTONI* (Strickl. and Sclater) : Sharpe, *t. c.* p. 234. Familiar Chat.

a. ♂ (?) Ladysmith, May 25, 1873. Iris dark hazel.

b. ♂ Inyati, October 2, 1873. Iris rich hazel-brown. Native name "Envachli."

71. *SAXICOLA PILEATA* (Gm.) : Sharpe, *t. c.* p. 238. Capped Wheatear.

a. Pietermaritzburg, about the beginning of May 1873.

b. ♂, *c.* ♀ John Scott's Farm, Transvaal, June 19, 1873. Iris dark hazel.

72. *SAXICOLA SHELLEYI*, Sharpe, *t. c.* p. 246. Shelley's Wheatear. (Plate A.)

a. Ramaqueban River, a few miles above the drift, on the way to Gubuleweyo, June 24, 1874. Iris dark hazel; bill, legs, and claws black. Gravel and beetles in stomach. This bird seems to have a habit of climbing about in trees.

b. (♀ probably, on account of the very bare breast.) Near Sibani, December 8, 1874. Iris hazel; bill and legs black.

[This fine species was hitherto known from a pair of birds only, which were purchased a few years back from a dealer by the British Museum, and were stated to have come from the Victoria Falls. Mr. Oates has now established the Zambesi region to be the habitat of the species, and has also procured it 300 miles off the place whence the first specimens were obtained. The occurrence of Shelley's Wheatear so far south as the Ramaqueban River is very interesting, as we may now expect that it will be found still farther to the southwards.]

73. *SAXICOLA LEUCOMELÆNA*, Burchell: Sharpe, *t. c.* p. 247. Burchell's Wheatear.

a. Desolate part of High Veldt; found on walls round corn and peach fields, June 15, 1873. Iris hazel. Beetles in stomach.

74. *MONTICOLA EXPLORATOR* (Vieill.): Sharpe, *t. c.* p. 220. Sentinel Rock-Thrush.

a. Kaar Kloof Heights, near Pietermaritzburg, May 19, 1873. Iris hazel.

Family TIMELIIDÆ.

Sub-family PYCNONOTINÆ.

75. *PHYLLOSTROPHUS CAPENSIS*, Sw.: Sharpe, *t. c.* p. 203. Cape Bristle-necked Thrush.

a. Not labelled.

76. *PYCNONOTUS LAYARDI* Gurney: *Ibis*, 1879, p. 390. Layard's Bulbul.

a. Durban, April 23, 1873. Iris bright hazel.

b. ♀ (probably.) Between Pretoria and Bamangwato, July 1873. Iris hazel. Fruit and seeds in stomach.

77. *PYCNONOTUS NIGRICANS* (Vieill.): Sharpe, *Cat. Afr. B.*, p. 23. Le Vaillant's Bulbul.

a. ♀ Crocodile River, July 1873. Iris deep crimson; skin round eye orange. Large seeds in stomach.

Sub-family TIMELIINÆ.

78. *CRATEROPUS BICOLOR*, Jard.: Sharpe, ed. Layard, p. 210. Pied Babbling Thrush.

a. ♂ Tati, October 2, 1874. Iris bright orange; bill and legs black.

b. ♀ Tati, October 7, 1874. Iris bright orange; bill and legs black.

c. ♂ (?) Tati, October 1874.

79. CRATEROPUS JARDINII, Smith: Sharpe, *t. c.* p. 212. Jardine's Babbling Thrush.

a. ♀ Inkweni River, October 8, 1873. Iris orange, with crimson rim.

b. ♀ Meriko River, November 18, 1873. Iris orange, with crimson rim.

c. ♀ Tati, October 3, 1874. Iris orange, with outer ring of crimson.

d. ♂ Tati, October 9, 1874. Iris orange, surrounded by crimson ring; bill black; legs dark slate-colour. Stomach muscular, containing insects.

80. COSSYPHA NATALENSIS (Smith): Sharpe, *t. c.* p. 223. Natal Chat-Thrush.

a. Durban, April 23, 1873. Iris bright hazel (?).

81. AEDON LEUCOPHRYS (Vieill.): Sharpe, *t. c.* p. 252. White-eyed Warbler.

a. ♂ Transvaal, November 1873. Iris hazel.

82. CISTICOLA CURVIROSTRIS (Sund.); Sharpe, *t. c.* p. 263. Brown Fantail Warbler.

a. Tibakai's Pan, January 21, 1875. Iris pale red-brown; upper mandible of bill dusky, lower one bluish white; legs flesh-colour; claws dusky.

83. CISTICOLA TINNIENS (Licht.); Sharpe, *t. c.* p. 265. Le Vaillant's Fantail Warbler.

a. Marsh near Newcastle, June 1, 1873. Common in marsh.

84. CISTICOLA CHINIANA (Smith); Sharpe, *t. c.* p. 268. Larger Grey-backed Fantail Warbler.

a. ♂ (?) Tati, March 23, 1874. Native name, "Ynete." Iris pale hazel-brown; upper mandible dusky, under one and legs flesh-colour.

b. ♀ (slightly developed). Tati, March 23, 1874. Iris (I think) tawny red; upper mandible dusky black, under one dusky orange; legs yellowish flesh-colour; thighs very fleshy—these, as well as the belly, very bare of feathers. Stomach containing grubs and other insects.

c. ♂ (well developed). Tati, March 24, 1874. Iris pale red-brown; upper mandible dusky black, under one dusky orange; legs yellowish flesh-colour; thighs very fleshy. Stomach somewhat muscular, containing remains of insects.

d. Between Sibanani and Tamasancha, December 9, 1874. Iris pale reddish brown; upper mandible dusky, under one dirty flesh-colour; legs brownish flesh-colour.

85. CISTICOLA ABERRANS (Smith): Sharpe, *t. c.* p. 271. Smith's Fantail Warbler.

a. Crocodile River, July 1873. Iris lake.

86. *CISTICOLA CURSITANS* (Frankl.): Sharpe, *t. c.* p. 275. Common Fantail Warbler.

a. Near Newcastle (?) about the end of May 1873. Iris very pale. Stomach of this and the reed species contained remains of beetles.

87. *BRADYPTERUS GRACILIROSTRIS*, Sund.: Sharpe, *t. c.* p. 287. White-breasted Reed-Warbler.

a. Not labelled.

88. *SYLVIETTA RUFESCENS* (Vieill.): Sharpe, *t. c.* p. 303. Short-tailed Bush-Warbler.

a. ♂ (?) Tati, October 13, 1874. Iris pale burnt sienna; bill dusky, dirty flesh-colour at base (?); legs pale red-brown. Stomach rather muscular, containing large grubs.

Family NECTARINIIDÆ.

89. *NECTARINIA FAMOSA* (L.): Sharpe, *t. c.* p. 306. Malachite Sun-bird.

a. Natal, 1873.

90. *CINNYRIS GUTTURALIS* (L.): Sharpe, *t. c.* p. 311. Scarlet-chested Sun-bird.

a. Semokwe River, September 1873.

b. ♂ Impakwe River, February 12, 1874. Native name, "Bola-lamaholi." Iris dark hazel. Stomach very thin, containing remains of good-sized insects, some spiders amongst them. Shot creeping amongst tall-stalked flowers.

c. (Sex doubtful.) Tati, March 21, 1874. Iris dark hazel; bill, legs, and claws black. Stomach not at all muscular, containing remains of soft insects.

d. Not labelled.

91. *CINNYRIS AFER* (L.): Sharpe, *t. c.* p. 313. Greater Double-collared Sun-bird.

a. ♂ (?) Mossel Bay, Cape Colony, April 11, 1873. Iris dark hazel. Stomach very small, not muscular, apparently containing insects; no gravel.

92. *CINNYRIS MARIQUENSIS* (Smith): Sharpe, *t. c.* p. 319. Southern Bifasciated Sun-bird.

a. Makalapsi River, August 7, 1873. Iris dark brown.

b. Inkwesi River, October 1873.

c, d, e, f. Not labelled.

Family PARIDÆ.

93. *PARUS AFER*, Gm.: Sharpe, *t. c.* p. 329. South African Titmouse.

a. ♂ Inyati, September 27, 1873. Iris dark hazel.

b. ♂ Semokwe River, October 1873. Iris burnt sienna.

94. *PARUS NIGER*, Vieill. : Sharpe, *t. c.* p. 331. Southern Black-and-white Titmouse.

- a. ♂ Ramaqueban River, September 4, 1873. Iris hazel.
- b. ♀ (?) Ramaqueban River, June 12, 1874. Iris dark hazel ; bill, legs, and claws black. Stomach containing sand and insects.
- c. ♂ (?) Tati, October 13, 1874. Iris hazel ; bill and legs black.

Family MUSCICAPIDÆ.

95. *PRATINCOLA TORQUATA* (L.): Sharpe, *t. c.* p. 250. South African Stone-chat.

- a. ♂ Durban, April 23, 1873.
- b. ♂ Pietermaritzburg, May 2, 1873.
- c. ♀ Near Newcastle, May 31, 1873. Iris very dark hazel.
- d. ♂ (well developed). Tati, October 15, 1874. Iris hazel.
- e. ♀ Tati, October 15, 1874. Iris hazel.
- f. ♀ (?) (young bird in pen). Tati, October 15, 1874. Iris hazel. Don't remember to have seen this species here before. Is it just arrived, or merely passing as a bird of passage from the south ?

96. *PARISOMA SUBCÆRULEUM* (Gm.): Sharpe, *t. c.* p. 332. Red-crested Fly-catcher.

- a. ♂ (?) Ladysmith, May 25, 1873. Iris pale grey, nearly white.
- b. ♀ (?) Tati, September 24, 1874. Iris very pale straw-colour ; bill and legs black.
- c. ♂ Tati, October 3, 1874. Iris pale straw-colour. Singing a short sweet note, and moving about amongst the bushes after the manner of a Willow-wren, looking for insects.

97. *BATIS MOLITOR* (Hahn and Küst.): Sharpe, *Cat. B.*, iv. p. 137. Eastern Yellow-eyed Fly-catcher.

- a. ♂ Dry River, October 1873. Iris golden yellow.
- b. Mopani Pan, near Ramaqueban River, June 25, 1874. Iris bright yellow ; legs and claws black.
- c. ♀ Tati, October 16, 1874. Iris yellow ; bill and legs black. Stomach muscular, containing remains of large insects like grasshoppers ; also green shoots (?).
- d. Not labelled.

98. *TERPSIPHONE PERSPICILLATA* (Sw.): Sharpe, *Cat. B.*, iv. p. 357. South African Paradise Fly-catcher.

- a. ♂ (highly developed). Tati, October 4, 1874. Bill dark cobalt. Insects in stomach.

Family HIRUNDINIDÆ.

99. *HIRUNDO PUELLA*, Temm. : Sharpe, *Cat. Afr. B.*, p. 47. Smaller Striped-breasted Swallow.

- a. Tati, October 4, 1874. Iris hazel. Sex indistinguishable, but

Thomson had similar specimens, which were females and well-developed males. A similar one shot by me was a male, and well developed.

b. Tati, October 5, 1874. Iris hazel.

100. *HIRUNDO CUCULLATA*, Bodd.: Sharpe, *Cat. Afr. B.*, p. 46. Large Striped-breasted Swallow.

a. ♂ Tati, October 4, 1874. Iris hazel.

101. *HIRUNDO RUSTICA*, L.: Sharpe, *Cat. Afr. B.*, p. 45. Common Swallow.

a, b, c. ♂ Tati, October 17, 1874. Cold, wet day, after very hot weather. These birds came into the houses and were easily caught. The other species seem to have gone away; these have been here about a week.

102. *HIRUNDO SEMIRUFA*, Sund.: Sharpe, *Cat. Afr. B.*, p. 45. Red-breasted Swallow.

a. Inchlanguin, about the beginning of December 1873. Iris dark hazel. Many small beetles in stomach. Another I shot was either a young one or in moult.

b. ♀ Tati, October 4, 1874. Iris hazel.

Family LANIIDÆ.

103. *DRYOSCOPIUS BOULBOUL* (Lath.): Sharpe, *Cat. Afr. B.*, p. 48. South African Puff-backed Bush-Shrike.

a. Crocodile River, July 1873. Iris hazel.

104. *DRYOSCOPIUS CUBLA* (Lath.): Sharpe, *Cat. Afr. B.*, p. 48. Pied Puff-backed Bush-Shrike.

a. ♂ Tati, August 28, 1873. Iris crimson.

b, c. Not labelled.

105. *LANIARIUS BAKBAKIRI* (Vieill.): Layard's *B. S. Afr.* p. 161. Bakbakiri Bush-Shrike.

a, b. ♂ Mossel Bay, Cape Colony, April 11, 1873. Iris dark grey. Remains of beetles and seeds in stomach.

c. ♂ Ladysmith, May 25, 1873. Iris dark grey.

106. *LANIARIUS SULPHUREIPECTUS* (Less.): Sharpe, *Cat. Afr. B.* p. 49. Yellow-breasted Bush-Shrike.

a. ♂ Motloutsi River, October 15, 1873. Iris dark hazel.

107. *LANIARIUS ATROCOCCINEUS* (Burch.): Sharpe, *Cat. Afr. B.*, p. 49. Crimson-breasted Bush-Shrike.

a. ♂ (?) Crocodile River, July 1873. Iris, outside violet, inside crimson.

b, c. ♂ Near Eland's River, July 1873. Iris, outside violet, inside crimson. Insects, beetles, and grasshoppers in stomach.

- d.* Makalapsi River, August 8, 1873. Iris violet and crimson.
e. ♂ Tati, September 2, 1873. Iris neutral tint.
f. ♂ Tati, October 2, 1874. Iris slate-colour ; bill and legs black. Insects (principally beetles) in stomach.
g. ♂ Tati, October 21, 1874. Iris slate-colour ; bill and legs black.
108. LANIARIUS SENEGALUS (L.) Red-winged Bush-Shrike.
a. Second Makalaka kraal, Zambesi road, September 3, 1874. Iris hazel ; bill black, base of upper and a good deal of base of under mandible bright slate-colour ; legs pale slate-colour ; claws rather darker.
b. ♀ Pantamatenka River, January 18, 1875. Iris dark hazel ; bill black ; legs pale slaty blue ; claws dusky.
109. LANIARIUS TRIVIRGATUS (Smith) : Gurney in Anderss. *B. Dam. Ld.*, p. 151. Three-streaked Bush-Shrike.
a. Crocodile River, July 1873. Iris hazel.
b. ♀ Near Metli River, August 10, 1873. Iris dusky hazel.
c. Not labelled.
110. LANIUS MINOR, Gm. : Sharpe, *Cat. Afr. B.*, p. 51. Lesser Grey Shrike.
a, b. ♂ Tati River, where Makalaka road leaves it, going north, November 19, 1874. Iris hazel ; bill lilac, tinged on top of upper and end of lower mandible with black ; legs dark brown. Beetles in stomach.
111. LANIUS COLLARIS, Gm. : Sharpe, *Cat. Afr. B.*, p. 51. Collared Shrike.
a. ♂ Durban, April 1873. Iris hazel.
b. ♀ Pietermaritzburg, May 2, 1873. Iris dark hazel.
c. ♀ (?) Mossel Bay, Cape Colony, April 11, 1873. Iris dark hazel. Stomach full of remains of beetles ; no gravel.
112. LANIUS COLLURIO, L. : Sharpe, *Cat. Afr. B.*, p. 50. Red-backed Shrike.
a. ♀ Meriko River, November 18, 1873. Iris hazel.
b. ♂ (slightly developed). Tati, March 21, 1874. Iris dark hazel ; bill deep violet, pale at base ; legs black.
c. ♀ (?) Tati, March 21, 1874. Iris dark hazel ; bill dusky lilac ; legs and claws black.
d. ♂ (?) Sibanani, December 11, 1874. Iris hazel ; bill dark slate-colour, violet at base ; legs blackish slate-colour.
e, f. Not labelled.
113. UROLESTES MELANOLEUCUS (Jard.) : Gurney in Anderss. *B. Dam. Ld.*, p. 130. Black-and-white Long-tailed Shrike.
a, b. ♂ Crocodile River, July 1873. Iris hazel (?). Large ants in stomach.

c. ♀ [brown variety]. Near Hex River, July 1873. Iris ochreous hazel. Shot by Bell, who says the note is different from that of the black one, which is plentiful. This is the only brown one seen. He says it whistles. Large gnats and other insects in stomach.

d. ♂ Tati, October 13, 1873. Iris dark brown.

e. Tati, March 25, 1874. Iris dark hazel. Stomach slightly muscular, full of remains of large insects.

f. ♂ First Makalaka kraal, Zambesi road, August 20, 1874. Iris hazel ; bill, legs, and claws black. Ants in stomach.

Family PRIONOPIDÆ.

114. EUROCEPHALUS ANGITIMENS, Smith : Sharpe, *Cat. B.*, iii. p. 279. Smith's Wood-Shrike.

a. ♂, b. ♀ Tati, March 23, 1874. Iris dark hazel ; bill and legs black. Stomach muscular, containing a number of large hard seeds and one or two beetles.

115. PRIONOPS TALACOMA, Smith : Sharpe, *Cat. B.*, iii. p. 321. South African Helmet-Shrike.

a. ♂ Near Metli River, August 10, 1873. Iris gamboge ; skin round eye dentated, orange-yellow ; legs pale vermilion.

b. ♀ Holfontein, November 25, 1873. Iris chrome yellow.

c. ♂ First Makalaka kraal, Zambesi road, June 21, 1874. Iris chrome yellow ; skin round eye bright orange ; legs and feet orange-red ; claws dusky black. Stomach pretty fleshy, and containing remains of grasshoppers and beetles.

d, e. ♂ (?) First Makalaka kraal, Zambesi road, June 21, 1874. Iris chrome yellow ; skin round eye light bright orange ; legs and feet orange-red ; claws dusky black.

116. BRADYORNIS OATESII, sp. n. Oates's Wood-Shrike. (Plate B.)

a. ♂ (adult.) First Makalaka kraal, Zambesi road, August 20, 1874. Iris dark hazel. Stomach full of ants.

b. (juv.) Geruah, January 25, 1875. Iris hazel ; bill and legs black.

c. (adult.) Not labelled.

[Similis *B. pallido* sed cineraceus ; gulâ conspicue albâ : pectore et corporis lateribus pallide cinerascentibus : subcaudalibus albis.]

Adult male. — General colour above ashy ; the head slightly browner, with indistinct brown shaft-streaks ; least and median wing-coverts like the back ; the median and greater coverts brown, edged with ashy brown, a little reddish on some of the outer greater coverts ; quills brown, externally ashy or fulvous brown, the primaries and some of the innermost secondaries edged with pale whitish brown ; tail-feathers ashy brown, the feathers edged with paler brown ; lores and a small patch above and below the eye dull white ; in front of the eye a dusky spot ; ear-coverts brown, slightly washed with fawn-colour,

and contrasting with the ashy grey head; cheeks ashy grey, like the sides of the neck; entire throat white, strongly defined; remainder of under surface pale ashy brown; whitish on the lower abdomen, vent, and under tail-coverts; under wing-coverts and axillaries pale ashy like the breast, the lower coverts slightly tinged with fawn-colour; quills dusky brown below, pale ashy fulvous along the inner web. Total length 7·5 inches, culmen 0·55, wing 3·85, tail 3·1, tarsus 0·85.

After a careful comparison of specimens I have come to the conclusion that the present bird is new to science. At first I thought it would be *B. murinus*, Finsch and Hartl., but the ear-coverts in that species are described as being like the sides of the neck and crop, whereas here the ear-coverts are in strong contrast; the under wing coverts also are not fawn-colour in Mr. Oates's specimens. Having compared it with all the other species of *Bradyornis* represented in the British Museum, I modify the "Key to the species," given in my *Catalogue of Birds*, vol. iii., p. 308, as follows:—

a. Upper surface ashy or clear brown, not black.

a'. Above light reddish brown, uniform; throat white, like the rest of the under surface; under wing-coverts white.—*mariguensis*.

b. Above ashy; throat white, contrasting with the ashy under surface; under wing-coverts like the breast.—*Oatesii*.

c. Above light brown, uniform; throat white, contrasting with the fawn-buff breast; under wing-coverts fawn-colour.—*pallidus*, *modestus*, etc. etc.

The fawn-coloured under wing-coverts of *B. pallidus*, the ashy brown throat and chest of *B. chocolatinus*, the reddish brown upper surface, and entirely white under surface of *B. mariguensis*, successively prevent *B. Oatesii*, from being considered synonymous. A bird, determined as *B. murinus*, F. and H., from the Congo (Sharpe and Bouv., *Bull. Soc. Zool. France*, 1877), would appear to be the same as *B. Oatesii*, but is in worn plumage.]

Family DICRURIDÆ.

117. BUCHANGA ASSIMILIS (Bechst.): Sharpe, *Cat. B.*, iii. p. 247. African Drongo.

a. ♀ Crocodile River, July 1873. Iris crimson. Beetles and grasshoppers in stomach.

b. ♀ Tati, October 11, 1873. Iris crimson.

c. Ramaqueban River, August 2, 1874. Iris deep red; bill, legs, and claws black.

Family ORIOLIDÆ.

118. ORIOLUS GALBULA, L.; Sharpe, *Cat. B.*, iii. p. 191. Golden Oriole.

a. ♀ Meriko River, November 16, 1873. Iris crimson.

Family CORVIDÆ.

119. *CORVUS SCAPULATUS*, Daud. : Sharpe, *Cat. B.*, iii. p. 22. White-backed Crow.

a. Ladysmith, May 27, 1873. Iris hazel.

b. Seruli River, October 17, 1873. Iris dark hazel.

Family STURNIDÆ.

120. *BUPHAGA AFRICANA*, L. : Sharpe, *Cat. Afr. B.*, p. 57. African Beef-eater.

a, b. ♀ Semokwe River, September 1873. Iris orange.

121. *DILOPHUS CARUNCULATUS* (Gm.) : Sharpe, *Cat. Afr. B.*, p. 56. Wattled Starling.

a. ♂ Ramaqueban River, September 4, 1873. Iris hazel.

b. ♂ Second Makalaka kraal, Zambesi road, September 1, 1874. Iris hazel ; bare skin about the eye yellowish ; bill dirty flesh-colour, base and tip dusky ; legs, feet, and claws dusky brown. Stomach not very muscular, containing beetles and sand.

c. ♂ (fully developed). Tati River, where Makalaka road leaves it, going north, November 18, 1874. Iris hazel ; bill white, tinged with lilac ; legs dark brownish flesh-colour ; bare skin of head deep black in front, bright yellow behind ; round the eyes a small bluish patch. Stomach muscular, containing beetles and grasshoppers.

122. *AMYDRUS BICOLOR* (Gm.) : Sharpe, *Cat. Afr. B.*, p. 55. Brown Starling.

a. Mossel Bay, Cape Colony, April 11, 1873. Iris pale grey with orange rim. Contents of stomach miscellaneous.

123. *AMYDRUS MORIO* (Daud.) : Sharpe, *Cat. Afr. B.*, p. 54. Cape Starling.

a. Not labelled.

124. *PHOLIDAUGES VERREAUXI*, Bocage : Sharpe, *l. c.* p. 54. Verreaux's Glossy Thrush.

a. ♂ Near Umvungu River, October 31, 1873. Iris hazel round pupil, and bright yellow round the hazel. Stomach containing remains of insects, and a number of large white berries, and sticky yellow matter with the berries ; the latter said to be used for bird-lime, the berries said to grow on trees.

b. ♂ (?) Near Umvungu River, November 12, 1873. Iris deep olive round pupil, and round the olive a bright yellow ring. Stomach not muscular, containing a few remains of small insects, but principally a quantity of vegetable matter like fine grass.

125. *LAMPROTORNIS AUSTRALIS*, Smith : Sharpe, *l. c.* p. 56. Smith's Glossy Thrush.

a. ♂ Crocodile River, December 1, 1873. Iris hazel.

126. *LAMPROTORNIS MEVESI*, Wahlb.: Sharpe, *t. c.* p. 56. Meves's Glossy Thrush.
a. ♂ Nata River, December 5, 1874. Iris hazel; bill and legs black. Stomach containing ants.
127. *LAMPROCOLIUS PHENICOPTERUS* (Sw.): Sharpe, *t. c.* p. 55. Red-shouldered Glossy Thrush.
a. Blauw Krans River, Natal, May 22, 1873. Iris bright orange.
b. ♂ Tati, October 11, 1873. Iris orange.
c. ♀ Crocodile River, November 8, 1873. Iris orange.
d. ♂ Meriko River, November 18, 1873. Iris orange.

Family MOTACILLIDÆ.

128. *MOTACILLA AGUIMP*, Temm.: Sharpe, *t. c.* p. 73. African Pied Wagtail.
a. Durban, April 23, 1873.
b. Crocodile River, July 1873. Iris hazel. Insects in stomach.
c. Not labelled.
129. *MOTACILLA CAPENSIS*, L.: Sharpe, *t. c.* p. 73. Cape Wagtail.
a. Durban, April 23, 1873.
b. ♂ Pietermaritzburg, April 30, 1873.
c. Inyati, October 3, 1873. Iris dark hazel. Native name "Umvemve."
130. *ANTHUS PYRRHONOTUS*, Vieill.: Gurney in Anderss. *B. Dam. Ld.*, p. 113. Cinnamon-backed Pipit.
a. Kaar Kloof Heights, near Pietermaritzburg, May 19, 1873. Iris hazel.
b. Not labelled.
131. *ANTHUS CAFFER*, Sund.: Sharpe, *t. c.* p. 72. South African Pipit.
a. Pietermaritzburg, about the beginning of May 1873.
132. *MACRONYX CAPENSIS* (L.): Sharpe, *t. c.* p. 73. Cape Long-claw.
a, b. ♀ (?) Between Ladysmith and Newcastle, about the end of May 1873. Iris hazel.
c. ♂ Pretoria, December 7, 1873. Iris hazel.

Family ALAUDIDÆ.

133. *CERTHILAUDA SEMITORQUATA*, Smith: Sharpe, *t. c.* p. 71. Grey-collared Lark.
a. ♂ Transvaal, December 18, 1873. Iris hazel.
134. *MIRAFRA AFRICANA* (Smith): Sharpe, *P. Z. S.*, 1874, p. 642. South-African Lark.
a. ♂ Tibakai's Pan, December 19, 1874. Iris pale reddish hazel;

bill dirty flesh-colour ; top of upper mandible dusky ; legs flesh-colour. Insects and seeds in stomach.

135. MIRAFRA SABOTA (Smith): Sharpe, *P. Z. S.*, 1874, p. 645.
Sabota Lark.

a. ♂ Tati, October 25, 1874. Iris bright light brown ; upper mandible dusky, under one dirty flesh - colour ; legs pale brown. Stomach muscular, containing large hard seeds.

b. Not labelled.

136. TEPHROCORYS CINEREA (Gm.): Sharpe, *P. Z. S.*, 1874, p. 633.
South African Rufous-capped Lark.

a. ♂ Pietermaritzburg, May 2, 1873.

Family PLOCEIDÆ.

137. SYCOBROTUS BICOLOR (Vieill.): Sharpe, *Cat. Afr. B.*, p. 60.
Natal Black-and-yellow Weaver-bird.

a. Not labelled.

138. TEXTOR ERYTHORHYNCHUS, Smith : Sharpe, *l. c.* p. 58. Red-billed Black Weaver-bird.

a. Tati, March 25, 1874. Iris dark greyish hazel ; bill and legs dusky orange. Stomach very muscular, containing seeds and insects. Noisy tame bird. Shot in company with the black Long-tails (*Chera*) ; had been moulting, as feathers were loose.

b. ♀ Tati, October 25, 1874. Iris dark ; bill dusky orange ; legs dusky, with an orange tinge.

c. ♀ Near first Makalaka kraal, Zambesi road, June 17, 1874. Iris dark hazel ; bill and legs dusky orange. Stomach containing many seeds, and a few insect remains and gravel. Three nests in a high tree full of these birds.

d. ♂ Tati, September 30, 1874. Iris hazel ; bill coral-red ; legs salmon-colour ; claws dusky. Shot by Thomson out of a flock of similar birds, and a black-winged white species.

139. HYPHANTORNIS CAPENSIS (Gm.): Sharpe, *l. c.* p. 59. Cape Yellow Weaver-bird.

a. ♂ Transvaal, December 16, 1873. Iris straw-colour.

140. HYPHANTORNIS OLIVACEUS (Hahn): Gray, *Handl. B.*, ii. p. 41, No. 6575. Olive-and-yellow Weaver-bird.

a. ♀ Transvaal, December 16, 1873. Iris raw sienna.

141. HYPHANTORNIS OCULARIS (Smith). Smith's Weaver-bird.

a. ♂, *b.* ♀ Pinetown, near Durban, April 1873. Iris buff ; bill black ; legs grey.

c. ♂ Pietermaritzburg, April 30, 1873. Iris light hazel or golden.

142. *HYPHANTORNIS MARIQUENSIS* (Smith) : Layard, *B. S. Afr.*, p. 182. Mariqua Weaver-bird.

a. ♂ Seruli River, October 18, 1873. Iris bronze.

143. *HYPHANTORNIS NIGRIFRONS*, Cab. : Layard, *t. c.* p. 180. Black-fronted Weaver-bird.

a. ♀ Inyati, October 3, 1873. Iris pale reddish hazel ; bill and legs pinkish ; upper mandible tinged with dusky. This bird, and another shot the same time, were in moult. The other one is much duller ; not so yellow on head, rump, and tail ; throat and breast tinged with pale yellow ; belly white.

b. ♂ Ishokwani, near Semokwe River, October 14, 1873. Iris yellowish white.

c. ♂ Tati, October 21, 1874. Iris straw-colour ; lower mandible flesh-colour, upper one dusky ; legs slate-colour. Insects in stomach.

144. *SPOROPIPES SQUAMIFRONS* (Smith) : Sharpe, *Cat. Afr. B.*, p. 61. Scutellated Finch.

a. ♀ Semokwe River, September 30, 1873. Iris burnt sienna.

145. *VIDUA VERREAUXI*, Cass. : Finsch and Hartl., *Vög. Ost-afr.*, p. 426. Verreaux's Widow-bird.

a. ♂ (very fully developed). Tati, March 30, 1874. Iris dark hazel. Stomach containing seeds, a little grit, and remains of a beetle.

146. *VIDUA REGIA* (L.) : Sharpe, *Cat. Afr. B.*, p. 63. Shaft-tailed Widow-bird.

a, b, c, d. ♂ Tati, March 20, 21, 22, 24, 1874. Iris dark hazel ; bill, legs, and claws, coral-red. Small seeds in stomach.

147. *VIDUA PRINCIPALIS* (L.) : Sharpe, *t. c.* p. 63. Common Widow-bird.

a. ♂ Transvaal, December 1, 1873. Iris hazel.

b. ♂ Hope Fountain, near Gubuleweyo ; shot in Mr. Thomson's garden, about the beginning of December 1873. Iris dark hazel.

c. ♀ (?) Tati, March 31, 1874. Iris dark ; bill and legs coral-red. I think this may be an immature male. In one or two examined afterwards, undoubted females, the bill was pale and the legs more dusky.

d. Not labelled.

148. *CHERA PROGNE* (Bodd.) : Sharpe, *t. c.* p. 63. Great Widow-bird.

a. ♀ Pietermaritzburg, April 30, 1873.

b, c. John Scott's Farm, Transvaal, June 19, 1873. Iris hazel.

d, e. ♂ Transvaal, December 18, 1873.

f, g, h, i. Not labelled.

149. *PENTHETRIA ALBINOTATA* (Cass.) : Finsch and Hartl., *Vög. Ost-afr.*, p. 420. White-spotted Widow-bird.

a. ♂ (undeveloped). Tamassetsie, December 16, 1874. Iris hazel ; bill bluish ; legs black.

b. ♂ Between the Pantamatenka River and Zambesi, January 11, 1875. Iris hazel ; bill pale bluish violet ; legs black. Seeds in stomach.

150. *PENTHETRIA ARDENS* (Bodd.) : Sharpe, *Cat. Afr. B.*, p. 63. Orange-throated Widow-bird.

a. Natal, 1873.

151. *EUPLECTES CAPENSIS* (L.) : Sharpe, *t. c.* p. 62. Cape Black-and-yellow Widow-bird.

a. Kaar Kloof Heights, near Pietermaritzburg, May 19, 1873. Iris hazel.

b. Inyati, September 29, 1873. Iris dark hazel.

c. Semokwe River, October 1873. Iris hazel.

d. Hope Fountain, near Gubuleweyo, about the beginning of December 1873. Iris dark hazel.

e. Not labelled.

152. *EUPLECTES ORYX* (L.) : Sharpe, *t. c.* p. 62. Red Bishop-bird.

a, b. ♂ Transvaal, 1873.

c. Hope Fountain, near Gubuleweyo, about the beginning of December 1873. Iris dark hazel.

Family FRINGILLIDÆ.

153. *AMADINA ERYTHROCEPHALA* (L.) : Sharpe, *t. c.* p. 65. Red-headed Wax-bill.

a. ♀ Tati, October 1874. Iris pale hazel ; skin round eye red ; bill dusky blue ; legs dirty flesh-colour.

154. *PYTIELIA MELBA* (L.) : Sharpe, *t. c.* p. 66. Southern Red-faced Finch.

a. ♂ Tati, September 1, 1873. Iris burnt sienna.

b. ♂ Tati, September 1873.

c. ♂ (?) *d.* Tati, October 28, 1874. Iris scarlet ; bill coral-red ; legs pale brown.

155. *ESTRELLA ASTRILD* (L.) : Sharpe, *t. c.* p. 65. Wax-bill Finch.

a. ♂, *b.* Tati, October 9, 1874. Iris hazel (?) ; bill vermilion ; legs and claws black.

c. Not labelled.

156. *ESTRELLA ERYTHRONOTA* (Vieill.) : Sharpe, *t. c.* p. 64. Black-cheeked Finch.

a. ♀, *b.* Tati, October 3, 1874. Iris deep crimson ; bill dark slate-colour.

157. *ESTRELLA GRANATINA* (L.): Sharpe, *t. c.* p. 65. Grenadier Wax-bill.

a. Semokwe River, September 1873.

b. ♂ Tati, September 30, 1874. Iris red; bill and skin round eye scarlet-lake: legs dark brown.

158. *ESTRELLA CYANOASTRA* (Daud.): Sharpe, *t. c.* p. 65. Southern Bengali Finch.

a. ♂ Tati, March 21, 1874. Iris claret-colour; bill violet, lilac at base; legs pale flesh-colour. Small seeds in stomach.

b. Tati, October 3, 1874. Iris claret-colour.

c. ♂ Tati, October 21, 1874. Iris claret-colour; bill violet; legs pale brown (?).

d. ♀ Tati, October 1874.

159. *LAGONOSTICTA MINIMA* (Vieill.): Sharpe, *t. c.* p. 66. Amadavat Finch.

a. ♂ (?) Crocodile River, July 1873. Iris very pale hazel.

b. Crocodile River, July 1873. Iris lake.

160. *ORTYGOSPIZA POLYZONA* (Temm.): Sharpe, *t. c.* p. 66. Little Barred-breasted Finch.

a. Desolate country near Newcastle, June 5, 1873. Iris pheasant-colour. Two shot out of a flock.

161. *PASSER MOTITENSIS*, Smith: Sharpe, *t. c.* p. 69. Greater South African Sparrow.

a. ♀ Palatswe River, August 13, 1873. Iris dark greyish hazel. Stomach very muscular, containing grit; seeds in throat.

b. ♀ (probably). Tati, September 24, 1874. Iris palish hazel; bill black; legs brown; claws darker.

c. ♂ Tati, October 19, 1873. Iris brown.

d. Tati, October 6, 1874. Bill black; legs brown.

162. *PASSER DIFFUSUS*, Smith: Sharpe, *t. c.* p. 69. Southern Grey-headed Sparrow.

a. Crocodile River; in cultivated fields, July 1873. Iris greenish hazel.

163. *PLOCEPASSER MAHALI*, Smith: Sharpe, *t. c.* p. 61. White-browed Weaver-bird.

a. ♂ Palatswe River, August 13, 1873. Iris dark burnt sienna. Stomach muscular, containing remains of insects. Song not unlike that of a Chaffinch, but much shorter and quieter. I think I have seen these birds since the Lion Camp on the Crocodile River. They go in small parties.

b. Not labelled.

164. *POLIOSPIZA GULARIS* (Smith): Sharpe, *t. c.* p. 68. Striped-headed Grosbeak.

a. Between Pretoria and Bamangwato, July 1873. Iris pale claret-tinted hazel.

165. *CRITHAGRA CHRYSOPYGA* (Sw.): Sharpe, *t. c.* p. 67. Golden-rumped Grosbeak.

a. ♀ Tati, October 9, 1874. Iris hazel; bill dirty violet or flesh-colour; legs brown.

166. *CRITHAGRA ANGOLENSIS* (Gm.): Sharpe, *t. c.* p. 67. Angola Grosbeak.

a. ♂ (?) First Makalaka kraal, Zambesi road, August 20, 1874. Iris hazel: Shot out of flock.

167. *FRINGILLARIA FLAVIVENTRIS* (Vieill.): Sharpe, *t. c.* p. 70. Golden-breasted Bunting.

a. ♂ Between the Gokwe and Seruli Rivers, October 17, 1873. Iris hazel.

b. ♂ Semokwe River, October 1873. Iris hazel.

c. (young bird). Inchlangin, beginning of December 1873. Iris hazel.

d. First Makalaka kraal, Zambesi road, August 19, 1874. Iris dark hazel. Another I examined like this in plumage was a male. I have seen them much duller in colour, and the black stripes on the head replaced by brown.

e. ♂ Tati, October 10, 1874. Iris hazel; bill flesh-colour; legs pale brown.

168. *FRINGILLARIA CAPENSIS* (L.): Sharpe, *t. c.* p. 70. Cape Bunting.

a. ♂ Mossel Bay, Cape Colony, April 11, 1873. Iris dark hazel. Seeds and fly in stomach.

Order COLUMBÆ.

169. *TURTUR CAPICOLA*, Sund.: Finsch and Hartl., *Vög. Ost-afr.*, p. 548. Cape Turtle Dove.

a. ♂ Mossel Bay, Cape Colony, April 11, 1873. Iris dark hazel. Seeds in stomach.

b. ♂ Pietermaritzburg, beginning of May 1873. Iris slate-colour (?); legs flesh-colour.

c. ♀ (?) Between Pretoria and Bamangwato. Iris hazel.

170. *CHALCOPELIA AFRA* (L.): Finsch and Hartl., *t. c.* p. 554. Emerald-spotted Dove.

a. Blauw Krans River, Natal, May 22, 1873. Iris chestnut.

171. *GENA CAPENSIS* (L.): Finsch and Hartl., *t. c.* p. 557. Long-tailed African Dove.

a. ♀ Between Pretoria and Bamangwato, July 1873. Iris dark hazel.

b. ♂ Near Crocodile River, July 1873. Iris hazel.

c. ♂ Tati, September 29, 1874. Iris and bill orange; legs lake. Small black seeds in stomach.

Order GALLINÆ.

Family PTEROCLIDÆ.

172. *PTEROCLES GUTTURALIS*, Smith : Layard, *B. S. Afr.*, p. 279. Yellow-throated Sand-Grouse.

a, b. ♂, *c.* ♀ Shashe River, where Zambesi road crosses it, north of Tati; coming to the water night and morning, August 17, 1874. Iris hazel; bill and legs dark bluish grey; claws dusky black. A small species of bean and gravel in stomach, which is very muscular.

173. *PTEROCLES BICINCTUS* Temm. : Layard, *l. c.* p. 278. Double-banded Sand-Grouse.

a. ♂ Makalapsi River, August 6, 1873. Iris hazel; skin round eye yellow; bill very dark; corners of mouth and base of lower mandible yellow; legs and feet dusky yellow; claws dark dusky brownish lake.

b. ♂ Makalapsi River, August 8, 1873. Iris hazel; skin round eye bright yellow; upper mandible deep lake, under one orange; legs and feet dull yellow; claws dusky lake. Crop very full of small pebbles; a few seeds in it.

c. ♂, *d.* ♀ Motloutsi River, August 1873. Iris hazel.

Family PERDICIDÆ.

174. *TURNIX LEPURANA*, Smith : Layard, *l. c.* p. 275. Kurrichaine Hemipode.

a. Not labelled.

175. *FRANCOLINUS AFER*, Temm. : Layard, *l. c.* p. 270. Grey-winged Francolin.

a, b. ♂ Retief's Drift, Vaal River, June 11, 1873. Iris hazel.

176. *FRANCOLINUS NATALENSIS*, Smith : Layard, *l. c.* p. 273. Natal Francolin.

a. ♀ Makalapsi River, August 7, 1873. Iris hazel; bill dusky; tip and lower mandible pale orange; legs, feet, and claws palish orange.

177. *FRANCOLINUS PILEATUS*, Smith : Layard, *l. c.* p. 272. Pileated Francolin.

a. ♂, *b.* ♀ Lion Camp, Crocodile River, July 1873. Iris hazel; legs red.

c. ♂ Gokwe River, October 16, 1873. Iris dark hazel.

178. COTURNIX DACTYLISONANS, Temm. : Layard, *t. c.* p. 274.
Common Quail.

a. ♂ High Veldt, Transvaal, December 1873. Iris hazel.

179. COTURNIX DELEGORGUEI, Delégorgue : *C. histrionica*, Hartl. :
Layard, *t. c.* p. 275. Harlequin Quail.

a. Gubuleweyo, December 26, 1873. Native name "Seguatha."
Iris rich brown ; bill black ; legs pale flesh-colour. Does not lie well
to a dog, but runs rapidly, and at last rises.

b. ♂, *c.* ♀ Gubuleweyo, January 3, 1874. Iris rich brown ; bill
black ; legs and feet salmon-colour.

Order GRALLÆ.

Family RALLIDÆ.

180. PARRA CAPENSIS, Smith : Gurney in Anderss. *B. Dam. Ld.*,
p. 330. Lesser African Jacana.

a. Not labelled.

181. PORPHYRIS ALLENI, Thoms. : Gurney, *t. c.* p. 327. Allen's
Blue Water-hen.

a. Not labelled.

182. FULICA CRISTATA (Gm.) : Gurney, *t. c.* p. 327. Rufous-knobbed
Coot.

a. Transvaal, 1873.

183. GALLINULA ANGULATA, Sund. : Gurney, *t. c.* p. 321. South
African Moor-hen.

a. ♂ Dry River ; killed by the boys with sticks, February 27,
1874. Iris crimson ; a narrow circle of tawny yellow within the iris,
near the outside ; bill crimson and yellow ; legs greenish yellow.
Vegetable matter in stomach.

b. ♀ Tibakai's Vlei, December 19, 1874. Iris pale crimson ; bill
yellow, scarlet stripe on top of upper mandible, under one tipped with
scarlet ; legs pale yellowish brown ; thighs pale yellow, tinged with
brown. Gravel and vegetable matter in stomach.

184. ORTYGOMETRA EGREGIA (Peters) : Finsch and Hartl., *Vög. Ost-
af.*, p. 778. Peters's Crake.

a. Gubuleweyo ; shot in marsh by spruit, December 26, 1873.
Iris crimson-lake ; skin round iris vermilion ; lower part of base of
upper mandible and whole of base of lower mandible magenta, of a
lilac tinge ; upper part of upper mandible dark slate-colour, lower
part of it near tip lighter slate-colour, tip of lower mandible whitish ;
legs dusky flesh-colour.

185. CREX PRATENSIS : Bechstein. *Ortygometra crex* (Gm.) : Layard,
B. S. Afr., p. 338. Corn-crake.

a. ♂ (testes slightly developed). Tati ; shot in long grass, March 22, 1874. Iris red-brown ; skin round eye brick-red ; bill violet ; legs pale flesh-colour. Stomach muscular, containing stones and remains of large insects.

Family SCOLOPACIDÆ.

186. PHILOMACHUS PUGNAX (L.) : Gurney in Anderss. *B. Dam. Ld.*, p. 304. Ruff.

a. ♀ Mopani Pan, near Ramaqueban River, November 4, 1874. Iris hazel ; bill dusky black, brownish at base ; legs dirty orange ; claws black.

187. ACTITIS HYPOLEUCUS (L.) : Gurney, *t. c.* p. 303. Common Sand-piper.

a. ♀ Inyati, October 2, 1873. Iris dark hazel ; bill dusky, base of lower mandible pale neutral tint ; legs pale violet ; feet and claws dusky.

b. ♀ Sibanani, December 7, 1874. Iris hazel ; legs pale dirty slate-colour ; base of lower mandible slate-colour ; rest of bill dusky black.

188. TOTANUS CANESCENS (Gm.) : Sharpe and Dresser, *B. Eur.*, pl. xlii. Greenshanks.

a. ♂ Inquiquesi River, September 29, 1873. Native name "Tabi-tabi." Iris dark hazel ; legs dull olive.

189. TOTANUS GLAREOLA (L.) : Gurney, *t. c.* p. 302. Wood Sand-piper.

a. Inyati, September 28, 1873. Iris dark hazel ; legs dull olive green.

Family GLAREOLIDÆ.

190. GLAREOLA MELANOPTERA (Nordm.) : Gurney, *t. c.* p. 264. Black-winged Pratincole.

a. ♂, *b.* ♀ Branslow's Farm, Transvaal, December 8, 1873. Iris dark hazel.

Family CHARADRIIDÆ.

191. HOPLOPTERUS SPECIOSUS (Licht.) : Gurney, *t. c.* p. 267. Black-smith Plover.

a. ♀ Branslow's Farm, Transvaal, December 8, 1873. Iris dark crimson.

b. ♀ Shashe River, October 16, 1874. Iris crimson ; bill and legs black. Beetles in stomach.

c. Not labelled.

192. CHETTUSIA CORONATA (Gm.) : Gurney, *t. c.* p. 268. Wreathed Plover.

a. ♀ Bisschop's Farm, Transvaal, June 20, 1873. Iris bright yellow, with hazel ring round pupil. Stomach containing beetles and grasshoppers.

b. ♂ (testes very rudimentary). Tati, March 26, 1874. Iris hazel round pupil, then yellow; bill magenta, tip black; legs and skin round eye magenta; claws black.

193. *ÆGIALITIS ATRICOLLARIS* (Vieill.) : Gurney, *t. c.* p. 274. Treble-collared Plover.

a. Durban, April 23, 1873.

Family OTIDIDÆ.

194. *OTIS KORI*, Burchell. *Eupodotis cristata*, Layard, *t. c.* p. 283. Kori Bustard.

a. (Sex doubtful; perhaps a young hen.) Near Palatswe River, May 16, 1874. Iris hazel, dark round the pupil, but becoming very pale towards the outside; upper mandible black; under one greenish white, tipped with black; legs and feet pale greenish white; claws dusky.

195. *EUPODOTIS CÆRULESCENS* (Vieill.) : Layard, *t. c.* p. 285. Blue Bustard.

a. ♂ Near Sunday's River, May 28, 1873. Iris hazel.

196. *ÆDICNEMUS CAPENSIS*, Licht. : Gurney in Anderss. *B. Dam. Ld.*, p. 266. Spotted Thick-knee.

a. Near Pilandsberg, Transvaal, July 1873. Iris golden yellow; eye large.

b. Not labelled.

Family ARDEIDÆ.

197. *ARDEA MELANOCEPHALA*, Vig. and Childr. : Gurney, *t. c.* p. 284. Black-throated Heron.

a. ♂ Marsh near Pretoria, June 21, 1873. Iris yellow.

198. *ARDEA PURPUREA*, L. : Gurney, *t. c.* p. 286. Purple Heron.

a. Not labelled.

199. *HERODIAS INTERMEDIA* (Wagl.) : Gurney, *t. c.* p. 289. Short-billed Egret.

a. Not labelled.

200. *BUTORIDES ATRICAPILLUS* (Afzel) : Gurney, *t. c.* p. 292. Black-headed Dwarf Heron.

a, b. Not labelled.

201. *BUTORIDES STURMII* (Wagl.), *Ardeiralla Sturmii* (Wagl.) : Gurney, *t. c.* p. 291. Sturm's Heron.

a. Not labelled.

202. BUTORIDES RUFIVENTRIS (Sund.), *Ardea rufiventris* (Sund.): Ayres, *Ibis*, 1871, pl. ix. Red-bellied Heron.

a. ♂ Hendrik's Vlei, December 1874. Iris dark hazel; bill black; legs slate-colour.

203. BUBULCUS IBIS (Hasselq.): Gurney, *t. c.* p. 288. Buff-backed Heron.

a. ♀ Tati, September 26, 1874. Iris bright yellow, inclining to orange; skin round eye chrome yellow; bill yellow; legs orange-yellow, somewhat dusky; claws blackish. Lizards, grasshoppers, and beetles in stomach. This bird not so fat as some shot at Bamangwato in May.

Family CICONIIDÆ.

204. CICONIA ALBA (L.): Gurney, *t. c.* p. 280. White Stork.

a. ♂ Ramaqueban River, where the Zambesi road leaves it, going north, November 15, 1874. Iris dark hazel; bill and legs orange-vermilion; skin about eye the same, but with a dark patch on it near the eye, and also near the under mandible.

205. SPHENORHYNCHUS ABDIMII (Licht.): Gurney, *t. c.* p. 280. White-bellied Stork.

a. ♂ Sibanani, December 11, 1874. Iris white, inclining to greenish ochreous; bill olive, tipped with vermilion; a flesh-coloured knob at the base.

206. SCOPUS UMBRETTA (Gm.): Gurney, *t. c.* p. 294. Tufted Umbre.

a. ♂ Makalapsi River, August 7, 1873. Iris dark; bill, legs, and claws black. Frogs in stomach.

Order NATATORES.

Family ANATIDÆ.

207. SARKIDIORNIS MELANONOTUS (Penn.): Gurney, *t. c.* p. 335. Knob-billed Goose.

a. ♀ Mopani Pan, near Ramaqueban River, March 16, 1874. Iris dark hazel; bill and legs black. Shot in a tree. The dogs caught a young one in the pan, where I suppose this Goose had its brood.

208. NETTAPUS AURITUS (Bodd.): Gurney, *t. c.* p. 336. African Dwarf Goose.

a. [♂], b. [♀]: Not labelled.

209. ANAS XANTHORHYNCHA, Forst.: Gurney, *t. c.* p. 342. Yellow-billed Duck.

a. ♀ Near Pretoria, June 18, 1873. Iris bright brown. Grit and vegetable matter in stomach.

210. *PÆCILONETTA ERYTHORHYNCHA* (Smith): Gurney: *t. c.* p. 339.
Red-billed Teal.

a. ♀ Mopani Pan, near Ramaqueban River, March 16, 1874. Iris dark hazel; bill (I think) brown on top, dull orange on sides; legs black. Caught by dog. They say this is the common small duck here.

b. ♂ Mopani Pan, near Ramaqueban River, November 5, 1874. Iris bright brown; bill pink with a lilac tinge, a dark lilac stroke on the top; legs slate-colour, inclining to lilac. Out of four shot, I think three were males and one a female, but the plumage differed very little. The boy found a curious swelling in the windpipe of two, which he says were males. He said the female had not got it.

Family PELECANIDÆ.

211. *GRACULUS AFRICANUS* (Gm.): Gurney, *t. c.* p. 370. Long-tailed Cormorant.

a. Not labelled.

212. *PLOTUS LEVAILLANTII*, Licht.: Gurney, *t. c.* p. 367. Le Vaillant's Darter.

a. Meriko River, November 1873.

Family PODICIPIDÆ.

213. *PODICEPS MINOR*, L.: Gurney, *t. c.* p. 347. Little Grebe.

a. Tchakani Vlei, May 15, 1874. Iris yellowish hazel, or rather deep raw sienna or amber; upper mandible dusky black; base and lower mandible orange; legs and feet black.

b. ♀ Tamasancha, December 10, 1874. Bill black, tipped with white, and spotted at base with white; legs black, fringed on webs with white. Beetles in stomach.

J.G.Keulemans lith.

Hanhart imp

SAXICOLA SHELLEYI.

J.G. Keulemans lith.

Hanhart imp.

BRADYORNIS OATESII.

MAP OF
SOUTH EASTERN AFRICA

showing the
COUNTRY TRAVERSED BY M. F. OATES
1873-5

M. F. Oates's Route

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