

## NOTE VI.

## ON A COLLECTION OF BIRDS

made by Mr. KARL SCHÄDLER

at Sekru (northwest-coast of New Guinea)

BY

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Mr. Karl Schädler, a German, formerly in service of the Dutch Indian Army, who collected for our Museum from December 1896 till middle of May 1898, went first to the northwest-coast of New Guinea and settled in the small place Sekru (Sekroe), situated a little east of Cape Meyer, on the south-coast of the peninsula which borders the big Bay of McCluer in the south. Mr. Schädler was staying here about  $3\frac{1}{2}$  month (from 8 December 1896 till 22 March 1897) and sent home 247 specimens of birds (of which 179 are good prepared skins, the rest in alcohol), belonging to 76 species. Although they are all well known, an enumeration may be still of interest on account of the geographical distribution, being the first collection made on this part of the northwest-coast of New Guinea. On other collections, made by Mr. Schädler on the small islands Kisser, Wetter and Babber, I shall report in another paper.

1. *Astur poliocephalus* (Gray).

Sharpe, Cat. B. Br. M. I, p. 117 (part.).

*Urospizias poliocephalus* Salvad. Orn. Pap. I, p. 45.

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Two specimens (male and female: March; both in freshly moulted plumage); exactly alike in colours and agreeing with Salvadori's description (l. c. »Jun.'').

Al. 195 mm.; caud. 153 mm.; tarsi 55 mm. ♂.

» 215 » ; » 167 » ; » 60 » . ♀.

[Iris brown, bill black, cere and feet yellow; contents of stomach: insects. Schädler].

### 2. *Habiastrus girrenera* (Vieill.).

Salvad. Orn. Pap. I, p. 15.

*H. indus*, subsp.  $\beta$  *girrenera* Sharpe, Cat. B. Br. M. I, p. 315.

One old female (3 March); the feathers of the white parts without dark shafts.

[Iris brown, feet pale yellow. Schädler].

### 3. *Baza stenozona* Gray.

Proc. Z. S. 1858, p. 169 (Aru).

*B. reinwardti* (pt.) Schl. Accip. Revue, 1873, p. 133 (Nos. 15—28); Sharpe, Cat. B. Br. M. I, p. 358 (only from Aru, N. Guinea & Timor).

*B. subcristata* Meyer (nec Gould), Isis 1884, p. 10 (Timor-laut).

*B. timorlaoënsis* Meyer, Abh. Mus. Dresd. 1892/93, N<sup>o</sup>. 3, p. 5.

*B. subcristata* Büttik. (nec Gould) in Weber's Reise, III, p. 290 (Flores).

*B. reinwardti* Hartert, Nov. Zool. III, 1896, pp. 177 and 598; Meyer & Wigl. B. of Celebes, 1898, p. 76 (from Timor, Lombok & Djampea).

*B. subcristata* Hartert, Nov. Zool. V, 1898, p. 474 (Sumba).

One young male in first plumage (partially moulting: 24 December).

[Iris yellow, bill black with bluish white base; feet pale yellow. Schädler].

After a careful examination of the material in our Museum I find that the true *B. Reinwardti* is confined to Amboyna, Ceram and Buru, whereas the allied *B. stenozona* ranges over New Guinea to Timor and the adjacent islands. We possess specimens from the following localities: Flores (Weber: »*subcristata*'' Büttik.); Alor (v. Lansberge); Timor (v. Rosenberg); Babber (Schädler); Aru Islands (v. Rosenberg); Little Key (v. Rosenberg); Mysol (Hoedt);

Salawatty (Bernstein); New Guinea (Sorong: Bernstein; Amberbaki: Laglaise; Andai, Arfak, Isl. Soëk: v. Rosenberg).

*Baza subcristata* Gould, from Northern Australia, is a well distinguished species, as well as *B. Bismarcki* Sharpe from the Bismarck Archipelago (*B. reinwardti*, Finsch »Vögel der Südsee», Wien, 1884, p. 7).

#### 4. *Pandion leucocephalus* Gould.

Salvad. Orn. Pap. I, p. 11.

*P. haliaëtus*, subsp. *leucocephalus* Sharpe, Cat. B. Br. M. I, p. 451.

One specimen (female: 27 February) in moult of the rectrices; as usually in this species or race there are only a few brown feathers among the white ones of the vertex.

Al. 470 mm.; caud. 200 mm.

[Iris yellow, feet bluish white. Schädler].

#### 5. *Corvus orru* S. Müll.

Salvad. Orn. Pap. II, p. 483.

*Corone enca* (Horsf.), subsp. *orru* Sharpe, Cat. B. Br. M. III, p. 44.

Two specimens: an old male (31 January) in full plumage and a young one (12 February) in the first-plumage; in this latter one the head, neck, back and lower surface are dull brownish black, the feathers of these parts being soft and of a more »halfdowns» appearance; the lores and base of lower mandible are sparingly feathered, and the bird is considerably smaller in size.

Al. 333 mm.; caud. 158 mm.; culm. 58 mm. ♂ ad.

» 288 » ; » 155 » ; » 50 » . ♂ young.

[Iris light blue, bill and feet black; in the young bird the bill is grey, the basal half black. Schädler].

#### 6. *Gymnocorax senex* (Less.).

Sharpe, Cat. B. Br. M. III, p. 50.

Salvad. Orn. Pap. II, p. 490.

Two specimens (male and female: January) in change

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of plumage, therefore more or less mixed with dark feathers glossed with purple.

Al. 310 mm.; caud. 230 mm.; culm. 61 mm. ♂.

» 320 » ; » 230 » ; » 57 » . ♀.

[Iris whitish blue, upper mandible black with grey spots, lower mandible flesh coloured with black spots; orbital skin reddish flesh coloured. Schädler.].

#### 7. *Paradisea minor* Shaw.

Sharpe, Cat. B. Br. M. III, p. 168.

Salvad. Orn. Pap. II, p. 577.

Two specimens: old female (December) and young male (January), both exactly alike in colours and without any sign of moult.

Al. 172 mm.; caud. 120 mm.; culm. 34 mm. ♂.

» 157 » ; » 116 » ; » 34 » . ♀.

[Iris yellow, bill bluish grey, feet grey. Schädler.].

#### 8. *Cicinnurus regius* (L.).

Sharpe, Cat. B. Br. M. III, p. 171.

Salvad. Orn. Pap. II, p. 646.

Three specimens: two old males (24 and 29 January) in full nuptial dress, and a young male (13 December) in first plumage, but with several of the primaries moulting.

[Iris yellowish brown (old), brown (young); bill yellow, feet blue. Schädler.].

#### 9. *Phonygama Keraudreni* Less.

Sharpe, Cat. B. Br. M. III, p. 180.

*Manucodia Keraudrenii* Salvad. Orn. Pap. II, p. 510.

Two old specimens: male (14 January) and female (8 January), both in full plumage without sign of moult; the female agrees in every respect with the male, but is only somewhat smaller.

The male shows the same remarkable peculiarity in the

form of the trachea (which lies between the skin and the muscles) as the following species (*chalybeata*).

Al. 153 mm.; caud. 117 mm.; culm. 31 mm. ♂.

» 141 » ; » 115 » ; » 29 » . ♀.

[Iris dark yellow, bill and feet black. Schädler].

#### 10. *Manucodia chalybeata* (Penn.).

Sharpe, Cat. B. Br. M. III, p. 182.

Salvad. Orn. Pap. II, p. 498.

Seven specimens: 3 old males (December and 14 February), one old female (4 February) and 3 young males (December), all without any sign of moult. The young males are much duller in colours than the adults and agree in every respect with the old female.

To two of the males Mr. Schädler adds the extraordinary convoluted trachea, which lies on the breast between the skin and the muscles, running down to the anus and back to the upper margin of the sternum.

As there is a considerable variation in size I give the measurements:

Al. 175 mm.; caud. 140 mm.; culm. 40 mm. ♂ ad.

» 175 » ; » 145 » ; » 40 » . ♂ »

» 170 » ; » 140 » ; » 42 » . ♂ »

» 170 » ; » 135 » ; » 42 » . ♂ jun.

» 183 » ; » 155 » ; » 37 » . ♂ »

» 190 » ; » 160 » ; » 37 » . ♂ »

» 185 » ; » 155 » ; » 38 » . ♀ ad.

[Iris yellow, in young birds yellowish brown. Schädler].

#### 11. *Mimeta striata* (Quoy & Gaim.).

Salvad. Orn. Pap. II, p. 473.

*Oriolus striatus* Sharpe, Cat. B. Br. M. III, p. 210.

Two old males: one shot December 10<sup>th</sup> in full plumage, the other one (24 Dec.) in moult (several of the remiges and rectrices are just developing).

[Iris dark brown, feet dark grey. Schädler].

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12. *Chibia carbonaria* Bp.

*Chibia atrocoerulea* (Gray), subsp. *carbonaria* Sharpe, Cat. B. Br. M. III, p. 238.

*Dicruropsis carbonaria* Salvad. Orn. Pap. II, p. 177.

Four specimens: adults of both sexes. One old female agrees perfectly with the old males; the other female has the tail less deeply forked with the outmost feather less recurved. Although obtained in different months (12 December, 10 January and 11 and 15 February) in none of the specimens traces of moulting are to be seen.

The measurements are the following:

mm.	mm.	mm.	mm.
Al. 158;	rectr. intermed. 120;	rectr. ext. 138;	culm. 25. ♂ ad.
» 144;	» 110;	» 125;	» 25. ♂ »
» 138;	» 115;	» 130;	» 25. ♀ »
» 138;	» 108;	» 113;	» 20. ♀ »

[Iris red, in one female brown. Schädler].

13. *Rectes cirrhocephalus* (Less.).

Sharpe, Cat. B. Br. M. III, p. 284.

Salvad. Orn. Pap. II, p. 198.

Three specimens: one old male (23 Dec.) and two old females (11 and 15 Dec.); one of the last full plumaged, the two other specimens with some of the wing- and tail-feathers in moult.

[Iris dark brown, bill dark grey, feet bluish grey. Schädler].

14. *Pseudorectes ferrugineus* (S. Müll.).

Sharpe, Cat. B. Br. M. III, p. 287.

*Rectes ferrugineus* Salvad. Orn. Pap. II, p. 203.

Two old males (12 December and 9 January), both in moult of the wings.

Al. 135—142 mm.; caud. 110—113 mm.; culm. 23—25 mm.

[Iris yellowish white, bill black, feet bluish grey. Schädler].

15. *Graucalus Boyeri* Gray.

Sharpe, Cat. B. Br. M. IV, p. 25.

Salvad. Orn. Pap. II, p. 124.

One old male (13 March); no signs of moult.  
[Iris dark brown, bill and feet black. Schädler].

16. *Graucalus papuensis* (Gml.).

Sharpe, Cat. B. Br. M. IV, p. 39.

Salvad. Orn. Pap. II, p. 132.

Two specimens, marked "females" but having the lores and frontal band nearly as dark black as in the old males. Both specimens (4 January and 18 February) in moult of the tailfeathers.

[Iris brown, bill and feet black. Schädler].

17. *Poecilodryas hypoleuca* (Gray).

Sharpe, Cat. B. Br. M. IV, p. 244.

Salvad. Orn. Pap. II, p. 86.

One old male (11 February), agreeing with specimens collected by Dr. S. Müller in 1828 in Lobo Bay.

[Iris brown, bill black, feet dark grey. Schädler].

18. *Todopsis Bonapartei* Gray.

Sharpe, Cat. B. Br. M. IV, p. 116.

Salvad. Orn. Pap. II, p. 116.

One old male (7 March) and two old females (15 and 28 December), none of them showing signs of moulting.

[Iris light brown, bill black, feet grey. Schädler].

19. *Rhipidura threnothorax* S. Müll.

Sharpe, Cat. B. Br. M. IV, p. 325.

Salvad. Orn. Pap. II, p. 54.

One old female (13 December); tailfeathers in moult.

Al. 80 mm.; caud. 96 mm.; culm. 13 mm.

[Iris brown. Schädler].

20. *Rhipidura setosa* (Quoy & Gaim.).

Sharpe, Cat. B. Br. M. IV, p. 329.

Salvad. Orn. Pap. II, p. 61.

One old male (16 February) without any sign of moult.  
[Iris brown, bill black, feet grey. Schädler].

21. *Rhipidura tricolor* (Vieill.).

Sharpe, Cat. B. Br. M. IV, p. 339.

*Sauloprocta melanoleuca* (Quoy & Gaim.), Salvad. Orn. Pap. II, p. 48.

Male and female, both adult (23 December and 18 January) in full plumage, with no signs of moult; the female is duller in colours, having the wings only blackish brown.

Al. 102 mm.; caud. 100 mm.; culm. 12 mm. ♂.

» 96 » ; » 97 » ; » 12 » . ♀.

[Iris brown, bill and feet black. Schädler].

22. *Arses telescopthalma* (Garnot).

Sharpe, Cat. B. Br. M. IV, p. 409.

*A. batantae* Sharpe, ib. p. 411.

Salvad. Orn. Pap. II, p. 42 sp. 290 and p. 43 sp. 291.

Two old males (13 December and 6 February).

[Iris brown, bill bluish grey, wattle round the eye bright blue. Schädler].

*A. batantae*, described by Sharpe after specimens in our Museum from Waigiu and Batanta, is said to be: »rather larger and having the wattle round the eye yellow instead of blue”. But this refers only to dried skins: »in life the wattles are bright blue” (Bernstein and von Rosenberg).

The larger size is not constant as is shown by the following measurements:

mm.	mm.
Al. 84—92, males;	84—87, females; 10 spec. from Waigiu and Batanta.
» 80—86, » ;	76—82, » ; 27 » » N. Guinea, Mysol and Salawatty.



23. *Monarcha chalybeocephala* (Garnot).

Salvad. Orn. Pap. II, p. 30.

*Piezorhynchus alecto* (Temm.), Sharpe, Cat. B. Br. M. IV, p. 415.

Four old males (17 December, 12 February and 13 March), all in full plumage, without signs of moult; a young male (19 January) in the plumage of the female is in change of plumage.

[Iris dark brown, bill bluish with black tip, feet dark grey. Schädler].

24. *Pomatorhinus Isidorii* Less.

Sharpe, Cat. B. Br. M. VII, p. 432.

Salvad. Orn. Pap. II, p. 409.

Two old specimens: male (30 January) and female (24 January); the first full plumaged, the latter with rectrices in moult.

[Iris yellow, bill yellow, base blackish; feet greyish brown. Schädler].

25. *Cracticus Quoyi* (Less.).

Gadow, Cat. B. Br. M. VIII, p. 94.

Salvad. Orn. Pap. II, p. 190.

Two old males in full plumage (26 December and 9 February); no signs of moult.

[Iris dark brown, bill whitish blue, apical half black; feet black. Schädler].

26. *Cracticus cassicus* (Bodd.).

Gadow, Cat. B. Br. M. VIII, p. 97.

Salvad. Orn. Pap. II, p. 184.

One old male (1 February) and a young bird (female: 10 December), the latter has the feathers of the head and back tipped with pale rufous; both show no signs of moult.

[Iris dark brown, bill light blue with black tip (old) or dark grey (young), feet black. Schädler].

27. *Pachycephala griseiceps* Gray.

Sharpe, Cat. B. Br. M. VIII, p. 215.

Salvad. Orn. Pap. II, p. 225.

One male (7 March), full plumaged; agreeing with the specimen collected by Dr. S. Müller already in 1828 at Lobo Bay („*Pachycephala virescens* S. Müll. M. L.).

28. *Cinnyris Aspasia* (Less.).

Gadow, Cat. B. Br. M. IX, p. 71.

*Hermotimia Aspasia* Salvad. Orn. Pap. II, p. 247.

Six old males (collected from 2 January to 22 March), all in full plumage, but one of them (13 February) is partially changing by moult. The length of the wings varies from 55 to 61 mm.

[Iris light brown. Schädler].

29. *Cinnyris frenata* (S. Müll.).

*C. jugularis B. frenata* Gadow, Cat. B. Br. M. IX, p. 84.

*Cyrtostomus frenata* Salvad. Orn. Pap. II, p. 265.

Four old males and one female (December to February), none of them showing moult.

[Iris light brown. Schädler].

30. *Myzomela nigrita* Gray.

Gadow, Cat. B. Br. M. IX, p. 139.

Salvad. Orn. Pap. II, p. 291.

One old male (15 December).

31. *Ptilotis analoga* Reichb.

Gadow, Cat. B. Br. M. IX, p. 227.

Salvad. Orn. Pap. II, p. 327.

Three old males, exactly alike with the type of „*Ptilotis auriculata* S. Müll. M. L.”, collected already by Dr. S. Müller at Lobo Bay in 1828.

[Iris brown, bill black, gape yellow. Schädler].

32. *Ptilotis chrysotis* (Less.).

Gadow, Cat. B. Br. M. IX, p. 238.

*Xanthotis chrysotis* Salvad. Orn. Pap. II, p. 346.

Two old males (December), showing no signs of moult.

[Iris light brown, bill black. Schädler].

33. *Philemon novae-guineae* (S. Müll.).

Gadow, Cat. B. Br. M. IX, p. 274.

*Tropidorhynchus novae guineae* Salvad. Orn. Pap. II, p. 357.

Two old males (December), partially in moult of wings and tailfeathers.

[Iris light brown, bill and sides of head black. Schädler].

34. *Dicaeum pectorale* Müll. & Schl.

Sharpe, Cat. B. Br. M. X, p. 29.

Salvad. Orn. Pap. II, p. 273.

One old male (3 January).

[Iris brown, bill black, feet dark grey. Schädler].

35. *Melanocharis nigra* (Less.).

Sharpe, Cat. B. Br. M. X, p. 80.

Salvad. Orn. Pap. II, p. 283.

One old male (December).

[Iris brown, bill and feet black. Schädler].

36. *Hirundo javanica* (Sparrm.).

Sharpe, Cat. B. Br. M. X, p. 142.

Salvad. Orn. Pap. II, p. 3.

One old male (29 January).

37. *Artamus leucogaster* (Val.).

Sharpe, Cat. B. Br. M. XIII, p. 3.

Salvad. Orn. Pap. II, p. 167.

Three old specimens. One male (17 December) and another

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old male (18 February) are in freshly moulted new plumage, whereas a female (also 18 February) is still in moult of the rectrices.

[Iris brown, bill blue with black tip. Schädler].

38. *Mino Dumonti* Less.

Sharpe, Cat. B. Br. M. XIII, p. 111.

Salvad. Orn. Pap. II, p. 466.

Three specimens (2 old males: 12 December and 14 January; 1 female: 8 December); all full feathered.

[Iris brown; bill, feet and the naked skin on the sides of head and chin dark yellow. Schädler].

39. *Melanopyrrhus orientalis* (Schl.).

Sharpe, Cat. B. Br. M. XIII, p. 114.

Salvad. Orn. Pap. II, p. 463.

Three specimens (December) in full plumage; one male has the entire head above brilliant orange; another male with a patch of black (greenish shining) feathers on the nape, the same as in a female, which has moreover the black feathers of the breast and vent margined with orange.

[Iris light yellow, bill and feet yellow. Schädler].

40. *Calornis metallica* (Temm.).

Sharpe, Cat. B. Br. M. XIII, p. 138.

Salvad. Orn. Pap. II, p. 447.

Seven specimens. Four old birds shot in December are all in full freshly moulted plumage; both sexes are precisely alike, the female has the middle tailfeathers only a little shorter.

mm.	mm.	mm.	
Al. 110;	middle rectr. 95;	culm. 17.	♂ (12 Dec.).
» 107;	» » 87;	» 16.	♀ ( » » ).

Three young ones (shot in February), in change of the first plumage (underneath white with dark longitudinal

streaks) to the full dress, are in moult of the quills and tailfeathers.

[Iris red in both sexes, dirty white in the young bird. Schädler].

41. *Pitta Mackloti* Temm.

Sci. Cat. B. Br. M. XIV, p. 436.

Salvad. Orn. Pap. II, p. 396.

Three old birds (both sexes alike) and a young bird (31 December) in change from the first to the full plumage. — Temminck's type was collected in 1828 by Dr. S. Müller at Lobo Bay.

[Iris brown, bill black, feet greyish brown. Schädler].

42. *Pitta novae-guineae* Müll. & Schl.

Sci. Cat. B. Br. M. XIV, p. 446.

Salvad. Orn. Pap. II, p. 380.

Four old birds (both sexes alike), shot in December, January and February, are all in full plumage, without signs of moult.

[Iris brown, bill black, feet fleshy brown. Schädler].

43. *Podargus papuensis* Quoy & Gaim.

Hartert, Cat. B. Br. M. XVI, p. 630.

Salvad. Orn. Pap. I, p. 513.

One old male and two old females; the latter are more rufescent with a distinct rufous shoulderpatch.

[Iris red (in both sexes), upper mandible black, lower mandible yellowish, feet greenish yellow. Schädler].

44. *Eurystomus australis* Sws.

Sharpe, Cat. B. Br. M. XVII, p. 36.

*Eur. pacificus* (Lath.) Salvad. Orn. Pap. I, p. 503.

One male (immature: 15 March).

[Iris brown, bill black, base of lower mandible red, feet reddish grey. Schädler].

45. *Alcyone Lessoni* Cass.

Sharpe, Cat. B. Br. M. XVII, p. 170.

Salvad. Orn. Pap. I, p. 410.

One adult male (24 January) in full plumage; tip of bill hornish white, agreeing with one specimen from Lobo Bay (coll. by Dr. S. Müller, 1828).

Al. 75 mm.; caud. 35 mm.; culm. 44 mm.

46. *Ceyx solitaria* (Temm.).

Sharpe, Cat. B. Br. M. XVII, p. 188.

Salvad. Orn. Pap. I, p. 420.

Two adult specimens (10 December and 25 January) in full plumage, alike with the type-specimen from Lobo Bay (coll. by Dr. S. Müller, 1828).

[Iris brown, bill black, feet red. Schädler].

47. *Syma torotoro* Less.

Salvad. Orn. Pap. I, p. 482.

*S. torotoro* et *flavirostris* (Gould), Sharpe, Cat. B. Br. M. XVII, pp. 196, 197.

Two adult males (8 December and 15 February) in full plumage; in one specimen the black spot on each side of hindneck is very small, in the other one these spots are considerably larger and form nearly a half collar. Bill in both specimens uniform orange-yellow, showing therefore the character of the North-Australian form (*flavirostris*), but the colour of the bill is of no specific value. Specimens shot by myself on the Cape York Peninsula (Somerset) have the apical third of the bill dark brown, whereas specimens procured by me in New Guinea (Port Moresby District) have the bill uniform orange-yellow (Finsch: *Vögel der Südsee*, 1884, pp. 25 and 32).

[Iris brown, bill and feet yellow. Schädler].

48. *Melidora macrorhina* (Less.).

Sharpe, Cat. B. Br. M. XVII, p. 201.

Salvad. Orn. Pap. I, p. 500.

*Dacelo macrorrhina* Schl. Alced. (Revue), p. 18.

One old female (11 January) in full plumage.

[Iris brown, upper mandible black, lower mandible bluish grey, feet greenish. Schädler].

49. *Sauromarptis Gaudichaudi* (Quoy & Gaim.).

Sharpe, Cat. B. Br. M. XVII, p. 209.

Salvad. Orn. Pap. I, p. 487.

*Dacelo Gaudichaudi* Schl. Alced. (Revue), p. 11.

Four adult specimens (2 males: 8 December and 17 February; 2 females: 15 December and 3 January); all in full plumage; no signs of moult.

[Iris brown, bill greenish, along the culmen into blackish, feet greyish green. Schädler].

50. *Halcyon chloris* (Bodd.).

Sharpe, Cat. B. Br. M. XVII, p. 273.

*Sauropatis chloris* Salvad. Orn. Pap. I, p. 470.

Two old specimens; the female (January) shows the head above, back and shoulders dull olive-green, whereas in the male (March) these parts are dark blue, nearly as bright as the wings and tail.

[Iris brown, bill black, basal half of lower mandible white, feet dark grey. Schädler].

51. *Tanyiptera nympha* Gray.

Sharpe, Cat. B. Br. M. XVII, p. 298.

Salvad. Orn. Pap. I, p. 452.

A single skin (old female: 17 Dec.) in full plumage; lower parts deep cinnamon, on the breast into vermilion rump and upper tailcoverts rich vermilion.

mm.            mm.            mm.            mm.

Al. 95; caud. 75; middle rectr. 154; culm. 31.

[Iris light brown, bill red, feet orange. Schädler].

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52. *Tanysiptera galatea* Gray.

Sharpe, Cat. B. Br. M. XVII, p. 307.

Salvad. Orn. Pap. I, p. 438.

Male and female (March), both adult and in full plumage (agreeing with Fig. 1 (Pl. 13) in Schlegel: Vog. v. Nederl. Indië, Alced.); in the male the basal portion of the two centre tailfeathers is marked with three large white spots, forming nearly crossbands; in the female these spots are only very small. — Collected by Dr. S. Müller in Lobo Bay already in 1828 (*Dacelo dea* Schl. pt.).

	mm.	mm.	mm.	mm.				
Al.	108;	caud.	95;	middle rectr.	250;	culm.	28. ♂.	
»	103;	»	83;	»	»	200;	»	32. ♀.

[Iris brown, bill red. Schädler].

53. *Rhytidoceros plicatus* (Penn.).

Grant, Cat. B. Br. M. XVII, p. 386.

Salvad. Orn. Pap. I, p. 392.

Two males (16 December and 7 January) and one female (26 January); the latter and the male from 7 January are in moult.

[Iris yellow or red-brown (males), bill white, base of lower mandible red-brown; orbital skin and naked chin bluish; contents of stomach: fruits. Schädler].

54. *Eudynamis rufiventer* Less.

Shelley, Cat. B. Br. M. XIX, p. 325 (syn. part.).

Salvad. Orn. Pap. I, p. 368.

One old female (22 January) in the spotted plumage (no signs of moult).

Al. 188 mm.; caud. 168 mm.; culm. 26 mm.

[Bill greyish black, towards the tip light hornish. Schädler].

55. *Centropus Menebiki* Less. & Garn.

Shelley, Cat. B. Br. M. XIX, p. 336.

Salvad. Orn. Pap. I, p. 377.



Male and female (16 February and 23 December) in full plumage.

[Iris red, bill bluish white, at base dark; feet black. Schädler].

56. *Eos fuscata* Blyth.

Salvad. Cat. B. Br. M. XX, p. 30.

*E. incondita* Meyer, Zeitschr. f. ges. Ornith. 1886, p. 6, Taf. 1.

Eight specimens (December to March); the males are much brighter, a band across the throat, breast and middle of abdomen vivid red, in some specimens with an indistinct dark band across the lower breast; uropygium yellowish white. Females: uropygium silvery white; red of the under parts much duller, with a broad dark crossband on the breast, vertex brownish (in the male dull orange). The young male resembles the female in dull colours, but the uropygium is yellowish, the nape reddish orange (like in the old male) and the bill is black.

[Iris pale yellow (young grey), bill red (young black brown). Schädler].

57. *Lorius erythrothorax* Salvad.

Cat. B. Br. M. XX, p. 35.

Three adult females (December, February and March) agreeing exactly with the characters pointed out by Count Salvadori (l. c.), showing a red band across the blue interscapular region.

[Iris pale yellow, bill orange red. Schädler].

58. *Trichoglossus cyanogrammus* Wagl.

Salvad. Cat. B. Br. M. XX, p. 51.

Four specimens (December, January and March), both sexes alike, the female also with a concealed red band on the feathers of the interscapular region, but one old male shows only a few very faint traces of these red spots or

crossbands, being the whole interscapuleum nearly uniform-green like the rest of the back.

[Iris orange, bill orange-red. Schädler].

59. *Cyclopsittacus Desmaresti* (Garn.).

Salvad. Cat. B. Br. M. XX, p. 91.

Four specimens (January and February) agreeing exactly with specimens from Lobo Bay collected by Dr. S. Müller in 1828. The males (3) have the whole pileum orange-vermilion; one shows not the slightest trace of the blue occipital spot; in the female only the front is orange-vermilion, the pileum bright orange-yellow, the cheeks are green.

[Iris ashy grey, bill dark. Schädler].

60. *Microglossus aterrimus* (Gml.).

Salvad. Cat. B. Br. M. XX, p. 103.

Three old females (December, February and March) and a younger male in full moult: black like the old ones (also the crest) but the feathers of the lower breast and vent narrowly edged with pale yellow; the tailfeathers are much narrower and more pointed than in the old birds; upper mandible dark brown, towards the tip whitish, lower mandible hornish white with dark grey tip.

Al. 380—405 mm.; caud. 300 mm.; culm. 85 mm. ♀ ad. (3).

» 375 » ; » 280 » ; » 82 » . ♂ jun.

[Iris light brown, bill black with white tip, cheeks red; young: reddish yellow. Schädler].

The specimen of *M. aterrimus* in »immature dress" from the Arfak Mountains described by Dr. Büttikofer (N. L. M. XVI, 1894, p. 166) belongs to *M. Salvadorii* Meyer (Bull. B. O. C. IV, 1894, p. VI), a very curious but excellent species.

61. *Cacatua triton* (Temm.).

Salvad. Cat. B. Br. M. XX, p. 118.

Male and female, adult (January), exactly alike with the

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type-specimens collected by Dr. S. Müller on the Island of Aiduma near Tritons Bay in 1828.

Al. 315 mm.; caud. 162 mm.; culm. 38 mm. ♀ ad.

[Iris dark brown, orbital skin bluish. Schädler].

62. *Nasiterna pygmaea* (Quoy & Gaim.).

Salvad. Cat. B. Br. M. XX, p. 140.

A single skin (old male) with a distinct breast-patch of cinnamon-red, which is wanting in the female; the specimens collected by Dr. S. Müller on the Utanate River (1828) and marked »♂ and ♀", are therefore both females.

	mm.		mm.		mm.
Al.	62	; caud.	24	; culm.	7 . ♂ Sekru.
»	60—62;	»	25—27;	»	7—8. ♀ Utanate.

[Iris light brown, bill dark. Schädler].

63. *Eclectus pectoralis* (P. L. S. Müll.).

Salvad. Cat. B. Br. M. XX, p. 389.

Two old males (green) and an old female (red).

[Male: Iris dark yellow, upper mandible red, tip yellowish white, lower mandible black; female: Iris yellowish white, bill black. Schädler].

64. *Geoffroyus Pucherani* Bp.

Salvad. Cat. B. Br. M. XX, p. 407.

Two old females (January) in a rather worn off plumage, and differing a good deal from each other. In N° 153 the whole head is dark brown, with a dark green gloss on the occiput, sides of the head lighter than the vertex; the whole uropygium dark purplish red. In N° 140 the uropygium is only spotted with dark purplish and the vertex washed dark green; both show no trace of a brown spot on the smaller wing-coverts; the axillaris and under wing coverts are deep ultramarine blue; bill dusky.

Al. 145—147 mm.; caud. 67—70 mm.; culm. 20—22 mm.

[Iris brown, bill dark, lower mandible lighter. Schädler].

65. *Ptilopus superbus* (Temm.).

Salvad. Cat. B. Br. M. XXI, p. 112.

One old female (January).

[Iris yellow, bill dark green, feet carmine. Schädler].

66. *Ptilopus pulchellus* (Temm.).

Salvad. Cat. B. Br. M. XXI, p. 117.

Three specimens (December and January); the female differs only slightly in having the dark carmine bar on the lower breast less extended.

[Iris light yellow, bill greenish yellow, feet dark red. Schädler].

67. *Megaloprepia puella* (Less.).

Salvad. Cat. B. Br. M. XXI, p. 170.

Two males and one female, both sexes precisely alike.

[Iris red, bill reddish with yellow tip, feet green. Schädler].

68. *Carpophaga pinon* (Quoy & Gaim.).

Salvad. Cat. B. Br. M. XXI, p. 222.

A single skin: old male (December).

[Iris red, orbits carmine, bill dark gray, tip whitish, feet carmine. Schädler].

69. *Columba albigularis* Temm.

Salvad. Cat. B. Br. M. XXI, p. 313.

An old female (January).

[Iris orange, bill red with yellowish tip, feet red. Schädler].

70. *Macropygia doreya* Bp.

Salvad. Cat. B. Br. M. XXI, p. 355.

A single skin: old male (January).

[Iris reddish, bill brown, feet red. Schädler].

71. *Reinwardtoenas Reinwardti* (Temm.).

Salvad. Cat. B. Br. M. XXI, p. 365.

Only an adult specimen (March).

Al. 230 mm.; caud. 267 mm.; culm. 17 mm.

[Iris white, bill dark brown, basal half red, feet red. Schädler].

72. *Chalcophaps Stephani* Rehb.

Salvad. Cat. B. Br. M. XXI, p. 520.

Two specimens: old and young male (in first plumage).

[Iris brown, bill red (young dark brown), feet greyish red. Schädler].

73. *Numenius phaeopus* (L.).

Sharpe, Cat. B. Br. M. XXIV, p. 355.

One specimen (old male: 27 February) with the rump thickly mottled with dark spots and therefore belonging to Sharpe's subsp. a. *N. variegatus* (Scop.).

[Iris dark brown. Schädler].

74. *Tringoides hypoleucus* (L.).

Sharpe, Cat. B. Br. M. XXIV, p. 456.

One female (18 January).

75. *Demiegretta sacra* (Gml.).

Sharpe, Cat. B. Br. M. XXVI, p. 137.

An old female (January) uniform slate-colour, with only a few white feathers on the chin.

[Iris yellow, bill black, lower mandible yellowish, feet dark gray. Schädler].

76. *Butorides stagnatilis* (Gould).

Sharpe, Cat. B. Br. M. XXVI, p. 183.

Two adult specimens, male and female.

[Iris reddish, bill black, base of lower mandible yellow, feet dirty yellow. Schädler].

Leyden Museum, 10 January 1900.

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