

Proportions borne to the entire pectoral limb, taken at 100, of:—

	<i>Phoca.</i>	<i>Otaria.</i>	<i>Trichechus.</i>
Pelvic limb	154.7	97.7	148.2
Humerus	30.1	26.4	43.2
Radius	30.1	27.5	32.6
3rd metacarpal	10.1	9.1	9.9
1st metacarpal	13.7	17.2	14.1
3rd phalanx of longest digit (manus) .	8.3	5.7	8.2

Proportion to pelvic limb, taken at 100, of:—

	<i>Phoca.</i>	<i>Otaria.</i>	<i>Trichechus.</i>
Femur	17.7	20.0	22.9
Tibia	38.4	32.9	32.5
3rd metatarsal	9.0	11.7	11.1
1st metatarsal	13.0	14.7	11.4
3rd phalanx of longest digit (pes)	7.0	5.8	3.1

2. Report on the Collections of Birds made during the Voyage of the Yacht 'Marchesa.'—Part III. On the Collection of Birds from the Island of Sumbawa. By F. H. H. GUILLEMARD, M.A., M.D., F.L.S., &c.

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(Plate XXIX.)

In the month of August, 1883, Mr. Kettlewell, in his yacht 'Marchesa,' paid a short visit to the island of Sumbawa, with the intention of visiting the great Tambora volcano, and, if possible, of making the ascent. This, however, was found to be beset with so many difficulties as to be impracticable, and the yacht left after a stay of little over a week, having merely touched at two or three places on the north coast of the island. With such very restricted opportunities but little could be done, and I considered myself fortunate in obtaining a small collection comprising examples of some thirty-eight species.

I am not aware of any account of the Sumbawan avifauna having been published in our own language, and Dr. Jentink informs me that he knows of none from the pen of any Dutch naturalist; but, from the position of the island, and the researches of Mr. Wallace in Lombok and Flores, few novelties could be expected. The present collection, as far as it goes, bears out this expectation, for, with one or two exceptions, all the species are found on one or both of the last-named islands, and I have but two new species to record. One of these, a *Turnix*, somewhat resembles *T. rufilatus* of Wallace, but is

characterized by the absence of rufous on the under surface. The other, a *Zosterops*, coexists on the island with another of the same genus (*Z. brunneicauda*).

1. *CACATUA SULPHUREA*, Vieillot.

Cacatua sulphurea, Schleg. Mus. Pays-Bas, 5^{me} livr. p. 137 (1864); *id. ibid.* 11^{me} livr. p. 66 (1874); Wald. Tr. Z. S. vol. viii. pt. 2, 1872, p. 30.

Plissolophus cristatus, Reichenow, Consp. Psittac. p. 29 (1882).

Hab. Celebes (*Forsten*); Flores and Lombok (*Wallace*); Sumbawa (*Guillemard*, *Reinwardt*); Timor (*S. Müller*).

a, b. ♂. Bima, Sumbawa.

c. ♀. Bima, Sumbawa.

Iris brown; bill black; feet and tarsus black. Length 35.1 centims.; wing 23.0 centims. The sulphur colour is irregularly distributed on the forehead, ear-coverts, cheeks, and throat.

This species was met with in flocks on the Sumbawa river.

2. *GEOFFROYUS JUKESEI*, G. R. Gray.

Geoffroyus jukesii, Wall. P. Z. S. 1863, p. 484; Reichenow, Consp. Psitt. p. 137 (1882.)

Eclectus personatus, Schleg. Mus. Pays-Bas, 11^{me} livr. p. 18 (*partim*).

Hab. Timor and Flores (*Wallace*); Sumbawa (*Guillemard*).

a-d. ♂. Bima, Sumbawa.

e, f. ♀. Bima, Sumbawa.

Iris lemon-yellow; bill scarlet, yellowish at tip; feet greyish olive. Length 24.8–25.5 centims.; wing 16.2–16.7 centims.: bill of female brown; other soft parts as in male; wing 14.8–15.3 centims.

The under wing-coverts and subalars are bright cobalt in some, in others more greenish. I have retained Gray's specific name, as the present examples seemed nearest to Flores individuals; but they do not appear to me to be really separable from Timor and other birds.

3. *TRICHOGLOSSUS FORSTENI*, Bonaparte.

Trichoglossus forsteni, Schleg. Mus. Pays-Bas, 5^{me} livr. p. 111 (1864); *id. ibid.* 11^{me} livr. p. 46 (1874); Reichenow, Consp. Psittac. 1882, p. 93.

Hab. Sumbawa (*Forsten*, *Guillemard*).

a. ♂. Bima, Sumbawa.

Bill red, yellow at tip; feet olive-green. Length of wing 13.7 centims.

4. *HALIASTUR INTERMEDIUS*, Gurney.

Haliastur intermedius, Gurney, Ibis, 1865, p. 28; *id.* 1866, p. 247; Wardlaw Ramsay, Orn. Works Tweedd. p. 655.

Hab. Malay peninsula, Sumatra, Borneo, Philippines, Celebes, Java, "Timor group" (*Salvad.*); Sumbawa (*Guillemard*).

a, Gunong Api I., Sumbawa.

Iris light brown; bill slate, apex yellowish; nasal sheath yellow; tarsus yellow. Length 49·1 centims.; wing 40·8 centims.

5. *YUNGIPICUS GRANDIS*, Hargitt.

Iyngipicus grandis, Hargitt, Ibis, 1882, p. 45.

Hab. Flores and Lombok (*Wallace*); Sumbawa (*Guillemard*).

a. ♂. Bima.

Iris reddish brown; bill nearly black; tarsus dirty black. Length 13·2 centims.; wing 8·3 centims.; tail 5·0 centims.; bill 1·8 centim.; tarsus 1·5 centim.

6. *MEROPS PHILIPPINUS*, Linnæus.

Merops philippinus, Schleg. Mus. P.-B. *Merops*, p. 2 (1863); Wald. Tr. Z. S. viii. 2, p. 42; *id.* ix. pt. 2, p. 149; Salvad. Ucc. di Born. p. 89.

Hab. India, Malay peninsula, Sumatra, Java, Borneo, Philippines, Celebes, Timor, Flores (*Wallace*); Lombok (*Gray*); Sumbawa (*Guillemard*).

a, b. ♂. Bima, Sumbawa.

c. Sumbawa town.

d. Bima, Sumbawa.

Iris red; bill black; feet greyish black. Length 29·0–29·4 centims.; wing 12·5–13·0 centims.

7. *MEROPS ORNATUS*, Latham.

Merops ornatus, Bp. Consp. Av. i. p. 162; Schleg. Mus. P.-B., *Merops*, p. 4 (1863); Salvad. Orn. della Pap. i. p. 401.

Hab. From Celebes through the Moluccas and New Guinea to New Britain, Torres Straits (*MacGillivray*); Java (*Finsch*); Lombok (*Wallace*); Sumbawa (*Forsten*); Flores (*Wallace*); Timor (*Wallace*).

a. Sumbawa town.

Iris dull red; bill and feet black. Length 25·4 centims.; wing 10·6 centims.

8. *EURYSTOMUS ORIENTALIS* (Linnæus).

Eurystomus orientalis, G. R. Gray, Hand-l. B. i. p. 76, sp. 906; Salvadori, Orn. della Pap. i. p. 508.

Hab. From India through China to the Philippines; Sumatra, Borneo, Java, and Celebes; Gilolo (*Bruijn*); Lombok (*Wallace*); Sumbawa (*Guillemard*); Flores, Timor (*Wallace*).

a. ♂. Sumbawa town.

b. ♀. Sumbawa town.

Iris dull pinkish red; bill scarlet, black at tip; feet dull coral-red. Length 29·0 centims.; wing 19·0–19·4 centims. The female is a very dark bird, and neither example possesses the pallor of colouring that is characteristic of the more eastern race.

9. *ALCEDO BENGALENSIS*, Gmelin.

Alcedo bengalensis, Salvad. Orn. della Pap. vol. i. p. 407; Sharpe, Monogr. Alced. pl. 2; G. R. Gr. Hand-l. i. p. 95, sp. 1152.

Hab. From the Red Sea to China and Japan. Sumbawa (*Guillemard*); Flores (*Wallace*); Timor (*S. Müller*).

a. ♂. Sumbawa.

Iris brown; bill entirely black (5·0 centims.); feet orange-red.

10. *SAUROPATIS CHLORIS* (Boddaert).

Sauropatis chloris, Salvad. Orn. della Pap. vol. i. p. 470; *id.* Ucc. di Born. p. 103.

Halcyon chloris, Sharpe, Monogr. Alced. pl. 89.

Hab. Generally distributed from the Red Sea to New Ireland. Java (*Horsfield*), Lombok, Flores, Solor, and Timor (*Wallace*); Sumbawa (*Guillemard*).

a, b. Sumbawa.

Iris brown; bill black, base of lower mandible yellowish white; tarsus black.

11. *CAPRIMULGUS MACRURUS*, Horsfield.

Caprimulgus macrurus, Horsf. Tr. Linn. Soc. xiii. p. 142 (1821); G. R. Gr. Hand-l. i. p. 57, sp. 633; Salvad. Orn. della Pap. i. p. 528.

Hab. India, Malay peninsula, Philippines, Moluccas, New Guinea, New Britain, Sumatra, Java (*Bernstein*); Lombok and Timor (*Wallace*); Sumbawa (*Guillemard*).

a. ♂. Bima, Sumbawa.

Iris brown; bill flesh-coloured, black at tip; feet dull flesh-coloured. Length of wing 18·8.

12. *CAPRIMULGUS AFFINIS*, Horsfield.

Caprimulgus affinis, Horsf. Tr. Linn. Soc. xiii. p. 142 (1821); G. R. Gr. Hand-l. i. p. 57, sp. 635; Salvad. Ucc. di Born. p. 115.

Hab. Borneo, Sumatra, Celebes, Java (*Horsfield*); Timor, Lombok (*Wallace*); Sumbawa (*Guillemard*).

a-c. Bima, Sumbawa.

Iris brown; bill brown, black at tip; feet brown. Length 22·0 centims.; wing 15·6–16·2 centims.

At the beginning of the month of August great numbers of Nightjars were to be found at dusk hawking over the dry *padi* fields in the neighbourhood of Bima. Some belonged to the preceding species, but the great majority, I believe, to the present. In no other part of the world have I seen birds of this genus in such abundance.

13. *CENTROCOCCYX AFFINIS* (Horsfield).

Centrococcyx affinis, Horsf. Tr. Linn. Soc. xiii. p. 180 (1821); Wald. Tr. Z. S. vol. viii. pt. 2, p. 56.

Hab. Celebes (*Wallace*); Java (*Horsfield*); Lombok, Flores, and Timor (*Wallace*); Sumbawa (*Guillemard*).

a. Labuan-penakan, Sumbawa.

14. *LANIUS BENTET*, Horsfield.

Lanius bentet, Horsf. Tr. Linn. Soc. xiii. p. 144 (1821); Gadow, Cat. Birds, viii. p. 266.

Lanius schach (partim), Horsf. & Moore, Cat. B. M. E. I. Co. i. p. 163.

Hab. Lombok, Timor, Java (*Wallace*); Sumatra (*Bock*); Sumbawa (*Guillemard*).

a, ♂. Sumbawa town.

b, *c*. ♀. Sumbawa town.

d. Sumbawa.

Iris brown; bill and tarsus black. Length 22·0–24·9 centims.; wing 8·6–9·0 centims.

These examples are interesting on account of the differing amount of distribution of the black on the head. In *a*, an individual which has probably not reached maturity, the forehead alone is black, the vertex is slightly streaked with that colour, and the mantle is dusky. The abdomen is strongly tinged with rufous, not white as in the other skins. In *b* the black is also confined to the forehead, the vertex, occiput, and mantle being clear grey, but on the cheeks the black does not pass beyond the ear-coverts, while in *c* and *d* the head is black as far as the occipital region, and the black passes over the ear-coverts on to the sides of the neck. The last three examples have the abdomen pure white, and the secondaries strongly edged with buffish white.

15. *PACHYCEPHALA FULVOTINCTA*, Wallace.

Pachycephala fulvotincta, Wall. P. Z. S. 1863, pp. 486, 492; Gadow, Cat. B. vol. viii. p. 196.

Hab. Flores (*Wallace*); Sumbawa (*Guillemard*).

a. ♀. Gunong Api Id., Sumbawa.

Iris brown; bill black; tarsus bluish black. Length of wing 8·1 centims.; tail 6·5 centims.

From a comparison with the type in the British Museum collection, I have referred the present example to this species, though, owing to my not having been able to obtain the male bird, the diagnosis must be to a certain extent conjectural.

16. *ARTAMUS LEUCORHYNCHUS* (Horsfield).

Leptopteryx leucorhynchus, Horsf. Tr. Linn. Soc. xiii. p. 144 (1821).

Artamus leucorhynchus, Salvad. Ucc. di Borneo, p. 140; *id.* Orn. della Pap. ii. p. 167.

Hab. Andamans, Sumatra, Borneo, Philippines, Celebes, Moluccas, New Guinea, Torres Straits; Java (*Horsfield*); Lombok, Flores (*Wallace*); Sumbawa (*Guillemard*); Timor (*Wallace*).

a. ♀. Sumbawa.

b. Sumbawa.

Iris brown; bill leaden blue; tarsus greyish black. Length of wing 13·4–13·6 centims.

Both individuals are probably in immature plumage; there is no sharply defined line between the white breast and the dark grey of the head and neck.

17. *PRATINCOLA CAPRATA*, Linnæus.

Pratincola caprata, Bp. Consp. i. p. 305; G. R. Gr. Hand-l. i. p. 228, sp. 3282; Sharpe, Cat. B. vol. iv. p. 195.

Hab. Persia, India, Burmah, Philippines, Celebes; Lombok, Flores, Timor (*Wallace*); Sumbawa (*Guillemard*).

a. ♂. Labuan Penakan, N. Sumbawa.

b. ♀. Gunong Api I., Sumbawa.

Iris dark brown; bill and feet black in the male, dark brown in the female. Length of wing 7·0 and 6·9 centims.

With the exception of the under tail-coverts and the tips of two or three feathers on the lower abdomen, the under surface of the male is entirely black. In the female both upper and under tail-coverts are rufescent white.

18. *LALAGE TIMORIENSIS* (S. Müller).

Lalage timoriensis, Bp. Consp. i. p. 355; Salvad. Ucc. di Born. p. 147; Sharpe, Cat. Birds, vol. iv. p. 94.

Hab. Bali, Lombok (*Wallace*); Sumbawa (*Guillemard*); Timor (*Wallace*); Borneo? (*Finsch*).

a. Juv. ♀. Bima, Sumbawa.

Iris brown; bill dark brown; feet bluish black. Length of wing 9·3 centims.

19. *CHIBIA BIMAENSIS* (Bonaparte).

Chibia bimaensis, Sharpe, Cat. Birds, vol. iii. p. 237.

Dicrurus bimaensis, Wall. P. Z. S. 1863, p. 494.

Hab. Lombok and Flores (*Wallace*); Sumbawa (*Guillemard*).

a. Sumbawa.

b. ♀. Bima, Sumbawa.

c. ♀. Labuan Penakan, Sumbawa.

d. ♂. Gunong Api Island, Sumbawa.

Iris crimson; bill and feet black. Wing 13·2–13·6 centims. Two specimens are marked with white on the abdomen, and have the under tail-coverts tipped with white. The hairy frontal tuft is only well marked in one example, a chin-tuft of like nature coexisting. Agree with Mr. Wallace's Lombok specimens in the British Museum, but appear to be of somewhat smaller dimensions.

20. *HYPOTHYMIS OCCIPITALIS*, Vigors.

Hypothymis occipitalis, Vig. P. Z. S. 1831, p. 97; Sharpe, Cat. B. vol. iv. p. 275.

Hab. Andamans, Malacca, Sumatra, Borneo, Formosa; Lombok (*Wallace*); Sumbawa (*Guillemard*); Flores (*Wallace*).

a, b. ♂. Sumbawa.

c. ♂. Bima.

d. Juv. ♂. Bima.

Iris marked "yellow" in one example; in two others dark brown; bill blue; tarsus blue. Length of wing 6·9–7·2 centims.

Abdomen and crissum bluish grey. All the adults have the nape spot, but only one the pectoral band. The under wing-coverts are white. The young male has the upper surface grey, the wings brown, throat light grey, and abdomen dirty white. A few bright blue feathers are appearing on the head.

21. ORIOLUS BRODERIPI, Bonaparte.

Oriolus broderipi, Wall. P. Z. S. 1863, p. 485; Sharpe, Cat. Birds, vol. iii. p. 201.

Hab. Lombok, Flores (*Wallace*); Sumbawa (*Guillemard*).

a-c. ♂. Sumbawa town.

d. Juv. ♂. Sumbawa town.

Iris crimson, duller in the young bird; bill pink; feet bluish black. Length 28·4–29·0 centims., wing 15·4–16·3 centims. The young male is altogether paler, lacking the brilliant orange tint of the full adult. The secondaries are, however, quite as much marked with yellow as in the latter, but the yellow frontal patch is smaller. Several small flocks of this species were seen on the road from the coast up to the town of Sumbawa.

22. PARUS CINEREUS, Vieillot.

Parus cinereus, Vieill. Tab. Ency. Méth. ii. p. 506; Gadow, Cat. Birds, viii. p. 16.

Hab. India and Southern China (?); Java (*Buxton*); Flores, Lombok (*Wallace*); Sumbawa (*Guillemard*).

a. ♂. Bima, Sumbawa.

b. ♂. Gunong Api Island, Sumbawa.

Iris brown; bill and feet black. Length 13·3 centims., wing 6·4–6·7 centims. Mantle pure grey. Note exactly like our own *P. major*.

Gunong Api Island lies close off Bima on the north coast of Sumbawa, and must not be confused with another island of the same name in the Banda Sea.

23. CINNYRIS PECTORALIS (Horsfield).

Cinnyris pectoralis, Bp. Consp. Av. i. p. 408, no. 43; Shelley, Monogr. Nect. p. 165, p. 53; Gadow, Cat. Birds, ix. p. 88.

Hab. Nicobar Islands (*Wimberley*); Malacca and Sumatra (*Wallace*); Java (*Horsfield*); Lombok and Flores (*Wallace*); Sumbawa (*Guillemard*); Borneo (*Low*).

a, b. ♂. Sumbawa town.

c, d. ♂. Bima, Sumbawa.

e. ♂. Gunong Api Island, Sumbawa.

Iris reddish brown; bill black; feet brownish black. Length 10·8–11·3 centims.; wing 5·2–5·4 centims.

24. *ZOSTEROPS BRUNNEICAUDA*, Salvadori.

Zosterops brunneicauda, Salvad. Ann. Mus. Civic. Genov. xvi. p. 82; id. Orn. Pap. e delle Molucche, ii. p. 373; Gadow, Cat. B. vol. ix. p. 190.

Hab. "Islands of Ceram Laut, Choor, and the Aru group;" Sumbawa (*Guillemard*).

a. ♂. Bima, Sumbawa.

Iris brown; bill brown; feet slate-coloured; wing 5·6 centims. This individual is in no way separable from the British-Museum example of *Z. brunneicauda*.

25. *ZOSTEROPS SUMBAVENSIS*, sp. nov.

♂. *Z. brunneicaudæ paullo similis, sed colore aureo universo, ac pileo brunneo, præcipue diversus. Superne aureo-viridis; fronte læte aurea; annulo ophthalmico albo lato; macula præoculari nigricante; regione parotica brunnescente; toto corpore subtus læte aureo; iride brunnea. Long. tot. 0·110 m.; al. 0·056 m.; caud. 0·046 m.; rostr. 0·011 m.; tars. 0·016 m.*

Hab. Sumbawa (*Guillemard*).

a. ♂. Bima, Sumbawa.

b. Bima, Sumbawa.

The general golden yellow colour of this species distinguishes it from *Z. brunneicauda*, as also does the brown of the vertex and occiput. In *b* (marked "♀?") this latter characteristic is not so marked.

26. *STIGMATOPS OCULARIS* (Gould).

Stigmatops ocularis, Salvad. Orn. della Pap. ii. p. 323.

Hab. Lombok (*Wallace*); Sumbawa (*Guillemard*); Timor (*Wallace*); New Guinea (*Bonaparte*); New Holland (*Gould*).

a. ♂. Bima, Sumbawa.

b, c. ♂. Sumbawa town.

d. Bima.

e. Sumbawa town.

Iris brown; bill black; feet and tarsus slate. Sexes alike. Length of wing 7·3–7·7 centims.

Common round Bima, where they fed on the flowers of the Bombax and other trees. Their habits resemble those of the genus *Cinnyris*.

27. *STIGMATOPS*, sp.

At Bima and Sumbawa two quite young birds of the genus *Stigmatops* were obtained that I hesitate to refer to any particular species. The head is olive; the chin, cheeks, upper throat, and ear-coverts are washed with yellow, as are also the abdomen and under tail-coverts; and the tail is more brightly tinged with greenish yellow than is the case in *S. ocularis*. Whether it is the young of the latter it is difficult to say, but it agrees closely with the description of the adult *S. chloris* of Salvadori.

28. PHILEMON TIMORIENSIS (S. Müller).

Tropidorhynchus timoriensis, Gray, Hand-l. i. p. 160, sp. 2088; Bp. Consp. i. p. 390.

Hab. Lombok (*Wallace*); Sumbawa (*Guillemard*); Flores and Timor (*Wallace*).

a, b. ♂. Sumbawa town.

c. ♀. Bima, Sumbawa.

d. ♀. Sumbawa town.

e-h. Sumbawa town.

Iris reddish brown; bill black; tarsus bluish ash; bare skin on head and neck dark brown. Length 30·5–31·8 centims.; wing 14·0–14·8 centims. This species appears to vary considerably in the shade of colour of the under surface and the amount of striping on the neck. The individual *c* is more or less immature; the upper surface is interspersed with light brown feathers, the upper tail-coverts are buff, the edges of the outer webs of the secondaries are washed with dull greenish yellow, and there is hardly any striping on the neck.

This species occurred, in small flocks of eight or ten individuals, in great numbers on the road up to the town of Sumbawa, keeping up a continuous noisy chatter. The note is very loud and harsh. They were afterwards found to be tolerably common at all the places visited on the island.

29. CALORNIS MINOR (Müller).

Calornis minor, Gray, Hand-l. ii. p. 26, sp. 6375; Bp. Consp. 417; Wald. Tr. Z. S. viii. p. 80.

Hab. Lombok, Flores, Timor (*Wallace*); Sumbawa (*Guillemard*).

a-c. ♂. Bima, Sumbawa.

d. Sumbawa.

Iris orange-scarlet; bill and feet black. Length of wing 9·5–10·2 centims.

30. AMADINA INSULARIS, Wallace.

Amadina insularis, Wall. P. Z. S. 1863, p. 495.

Hab. Timor and Flores (*Wallace*); Sumbawa (*Guillemard*).

a-c. ♀. Bima, Sumbawa.

Iris reddish brown; bill orange, bright red in the male; feet yellowish. Length of wing 5·0–5·3 centims.

31. OSMOTRERON VERNANS (Linnæus).

Osmotreron vernans, G. R. Gray, P. Z. S. 1860, p. 360; Wald. Tr. Z. S. vol. ix. pt. 2, p. 210; Bp. Consp. ii. p. 12.

Treron viridis, Wallace, Ibis, 1865, p. 374.

Hab. Malay peninsula, Sumatra, Borneo, Philippines, Celebes, Java, Sumbawa (*Guillemard*).

a. ♂. Sumbawa.

Iris "pearly"; bill slate-blue at tip, green at base; tarsus pinkish red. Length of wing 14·4 centims.

I am not aware that this species has ever been previously recorded as far eastward as Sumbawa. The example obtained does not differ in any way from individuals obtained in the Sulu archipelago.

32. *SPILOPELIA TIGRINA* (Temminck).

Spilopelia tigrina, Salvadori, Ucc. di Born. p. 296; id. Orn. della Pap. iii. p. 151.

Turtur tigrina, Wall. Ibis, 1865, p. 391.

Hab. Nicobars, Malay peninsula, Siam, Sumatra, Borneo, Celebes, Moluccas; Java (*Horsfield*); Lombok (*Wallace*); Sumbawa (*Semmelink*); Flores (*Wallace*); Timor (*Wallace*).

a, b. ♂. Sumbawa town.

c. ♂. Gunong Api Island, Sumbawa.

d. ♀. Gunong Api Island.

Iris light yellow; bill dark slate; tarsus coral. Length of males 34.9, females 30.3 centims. Wing, male 14.0–14.7 centims., female 13.7 centims.

Compared with Celebes and other individuals the present series presents no noticeable differences in plumage, but the yellow iris I have only met with in Sumbawa birds, which latter appear also to be of somewhat larger dimensions than Celebes and Moluccan examples.

33. *STREPTOPELIA BITORQUATA* (Temminck).

Streptopelia bitorquata, Bp. Consp. ii. p. 65; G. R. Gray, Hand-l. ii. p. 239, sp. 9330; Salvad. Ucc. di Borneo, p. 297; Wall. 1865, p. 391.

Hab. Sumatra, Java, Lombok (*Wallace*); Sumbawa (*Guille-mard*); Flores, Timor (*Wallace*).

a-c. ♂. Sumbawa.

Iris orange-yellow; bill blackish; tarsus coral-red. Length 30.0–34.0 centims.; wing 15.3–15.5 centims.

34. *GEOPELIA MAUGEI* (Temminck).

Geopelia maugei, Bp. Consp. ii. p. 94; Wall. Ibis, 1865, p. 394; Schleg. Mus. Pays-Bas, *Columbæ*, p. 132 (1873).

Hab. Moluccas, Ké Islands, Sumbawa (*Forsten*); Flores (*Wal-lace*); Timor (*Bernstein*); Wetter and Letti (*Hoedt*).

a. ♂. Gunong Api Island, Sumbawa.

b-e. ♂. Sumbawa.

f, g. Sumbawa.

Iris pale yellow; bill leaden; tarsus ashy blue marked with violet. Length about 24.0 centims.; wing 10.0–10.2 centims.

Extremely common round the town of Sumbawa.

35. *CHALCOPHAPS INDICA* (Linnæus).

Chalcophaps indica, Salvad. Orn. della Pap. iii. p. 173.

Hab. India, Nicobars, Malay peninsula, Sumatra, Borneo, Philip-pines, Formosa, Celebes, Moluccas, New Guinea (?), Java (*Hors-field*); Lombok (*Wallace*); Sumbawa (*Forstein*); Flores (*Wallace*).

a. ♂. Gunong Api Island, Sumbawa.

b. Gunong Api Island.

These examples differ from Bornean, Celebean, and Moluccan birds chiefly in having a very broad white superciliary streak.

36. TURNIX POWELLI, sp. nov. — (Plate XXIX.)

T. rufilato affinis; sed hypochondriis et subcaudalibus brunnescentibus, nigro transfasciatis, haud rufescentibus; et abdomine albo, diversus.

Hab. Gunong Api Island, Sumbawa.

a. ♂. Gunong Api Island, Sumbawa.

b. ♀. Gunong Api Island.

c (♀). Gunong Api Island.

Iris very light yellow; bill, upper mandible brownish, lower greenish yellow; tarsus yellowish green. Length 17.0 centims.; wing 8.6–9.8; bill from gape 2.0 centims.

This Quail, though somewhat resembling *T. rufilatus* of Celebes, is at once recognizable by the entire absence of rufous on the abdomen and thighs. The cervix is darker, the barring on the breast more distinct, and extending much lower; and the black stripe on the throat of the male bird considerably more restricted. I have named this species after my friend Lieut. R. ff. Powell, R.N., who accompanied the 'Marchesa' in her voyages to Kamtschatka and New Guinea.

37. ERYTHRA LEUCOMELANA (S. Müller).

Erythra leucomelana, G. R. Gray, Hand-l. iii. p. 67, sp. 10509.

Amaurornis leucomelæna, Salvad. Orn. della Pap. iii. p. 278.

Hab. Celebes (*Von Rosenberg, Guillemard*); Buru (*Bruijn*); Timor (*S. Müller*); Sumbawa (*Guillemard*).

a. Sumbawa town.

This individual, the label of which is without measurements and notice of colour of soft parts, has the forehead black. The whole of the neck, breast, and abdomen is white, the dark grey being confined entirely to the sides of the body, and not passing towards the middle line of the abdomen as in *E. phœnicura*.

38. ? ARDEOLA LEUCOPTERA (Boddaert).

Ardeola leucoptera, Jerdon, B. Ind. iii. p. 751.

? *Ardeola speciosa*, Horsf. Tr. Linn. Soc. xiii. p. 188.

a. "♀?" Bima, Sumbawa.

b. Juv. ♂. Sumbawa.

Iris, in adult, yellowish; bill greenish black, base of lower mandible greenish yellow; feet and tarsus olive-green.

I have had no opportunity of comparing these skins with Javan or Malaccan examples, and cannot therefore state to which species they should be referred.



Guillemard, F. H. H. 1885. "2. Report on the Collections of Birds made during the Voyage of the Yacht 'Marchesa.'-Part III. On the Collection of Birds from the Island of Sumbawa." *Proceedings of the Zoological Society of London* 1885, 501-511. <https://doi.org/10.1111/j.1469-7998.1885.tb07857.x>.

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