
PRELIMINARY DESCRIPTIONS OF SIXTY-SIX
NEW FORMS OF SOUTH AFRICAN BIRDS

(43 from Vernay-Lang Kalahari Expedition, 1930.)

By

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Cerchneis tinnunculus ngamiensis subsp. nov.

Akin to *C. t. carlo* Hartert and Neuman (J. Orn. 1907, 592) of Abyssinia, but differing in the male having less spotting above and the head grey, only very faintly streaked on the shafts of the feathers, and in the female less heavily striped or barred above and below. Much darker than *C. t. rhodesi* Davies (Ibis, 1920, 620) of the Matopo Hills, S. Rhodesia, less distinctly striped on the head in the male, but more heavily marked in the female; otherwise also rather larger than *rhodesi*.

Type: T.M. No. 17370, adult ♂, Shorobe, Maun District, Ngamiland, 10th June, 1930, No. 1502, Vernay-Lang Kalahari Expedition. Wing length 230, ♀, 244-257; tail 140, ♀, 153-161 mm.

Ortygornis coqui vernayi subsp. nov.

Differs from *O. coqui coqui* in its paler coloration above and narrower, on the sides of abdomen and flanks more scattered, black bars below, the middle of lower breast and belly without bars.

Type: T.M. No. 17299, adult ♂, Tsotsoroga Pan, Ngamiland, 2nd July, 1930, No. 2009, Vernay-Lang Kalahari Expedition. Wing length 140 mm.

Dendroperdix sephaena chobiensis subsp. nov.

Large like *D. s. sephaena* (A. Smith) of Western Transvaal, but paler and less vermiculated below, the tail redder in males, and even the longer upper tail coverts partly dark olive chestnut.

Type: T.M. No. 17302, adult ♂, Kabulabula, Chobe River, 21st July, 1930, No. 2417, Vernay-Lang Kalahari Expedition. Wing length 168 mm.

***Dendroperdix sephaena mababiensis* subsp. nov.**

Like *D. s. chobiensis* in having less freckling and vermiculation on the under parts of the body than *D. s. sephaena*, but with the tail less reddish in males and average size smaller.

Type: T.M. No. 17305, adult ♂, Mababe Flats, 15th June, 1930, No. 1598, Vernay-Lang Kalahari Expedition. Wing length 168, tail 101, tarsus 41, culmen 24.5, spur 12.5 mm.

***Scleroptila gariensis langi* subsp. nov.**

A very pale race, far less rufous above, greyer, and the yellowish paler than in *S. g. pallidior* Neumann from south of Cunene River.

Type: T.M. No. 17300, adult ♂, Nkate, North Bechuanaland, 8th August, 1930, No. 2794, Vernay-Lang Kalahari Expedition. Wing length 175 mm.

***Scleroptila gariensis kalaharica* subsp. nov.**

Even paler than *S. g. langi*, the feathers above less barred and greyer throughout, and below the rufous spots smaller, fewer, present mainly on the breast with only two or three spots on the flanks, the whole of the lower breast and abdomen practically uniform pale buffy.

Type: T.M. No. 17298, adult ♀, Damara Pan, Central Kalahari, 21st April, 1930, No. 572, Vernay-Lang Kalahari Expedition. Wing length 158 mm.

***Scleroptila jugularis cunenensis* subsp. nov.**

Similar to *Scleroptila jugularis* (Büttikofer, *Notes Leyden Museum*, XI, 1889, p. 76, pl. 4) of Gambos, but altogether paler, the upper parts having the blotches chestnut brown and not dark brown, the under parts whiter; the blackish markings over the lower breast apparently smaller, sometimes as irregular shaft-lines only, becoming larger and chestnut to reddish brown on the flanks.

Type: Adult male, in the South African Museum, Cape Town, No. 16508, Cunene River, 14th March, 1923, wing length 153 mm. Also an adult ♀, taken on the same day, agrees with it except that it is slightly darker—the plumage fresher—and spots below rather larger; wing length 150 mm.

***Pternistis afer cunenensis* subsp. nov.**

Like *P. afer afer* Müller of Benguella in general characters, but considerably paler, more grey over the olive-brown feathers of the upper parts and the similar feathers across the breast and lower throat.

Type: Adult ♂, in the South African Museum, Cape Town, No. 16511, Cunene River.

✓ *Pternistis swainsoni chobiensis* subsp. nov.

Somewhat similar to *P. s. damarensis* Roberts (*Ann. Transvaal Mus.*, XIV, 237, 1931) from Otjiwarongo District, in respect of the cheeks being paler and less coarsely striped and under parts of body more clearly defined and thinner striped when compared with *P. s. swainsoni* of South-Eastern Bechuanaland and Transvaal, but less rufous tinged in general and smaller in size.

Type: T.M. No. 17283, adult ♂, Kabulabula, Chobe River, 21st July, 1930, No. 2414, Vernay-Lang Kalahari Expedition. Wing length 188, tail 68, tarsus 52, culmen 22, spur 18 mm.

✓ *Pternistis swainsoni gilli* subsp. nov.

Most like *P. s. chobiensis*, but even paler, uniformly paler greyish brown above and on the chest and crop, and the abdomen whiter. In dimensions about as in *chobiensis*, wing length in ♂ 185, in ♀ 179, tail 89 and 72, tarsus 51 and 45, culmen 23 and 21.5, spur (in ♂ only) 14 mm.

Type: In the South African Museum, Cape Town, No. 16532, adult ♂, Ondonga, South West Africa, 22nd February, 1923. "Length in the flesh 15 inches. Upper mandible black, lower red, fleshy part round eye and neck red, iris brown, feet black." The ♀ is from Cunene River.

✓ *Afrotis afraoides kalaharica* subsp. nov.

In respect of a general tendency to show more white in the plumage approaching *A. a. etoschae* Grote of Etoscha Pan, south of the Cunene River, but differing therefrom in the male in having the light bars above only slightly paler than in *A. a. afraoides* (A. Smith), the rump not so white as in *etoschae*, but tarsi long, about 95 mm; the female differs in respect of its paler, vermiculated rather than barred upper parts and more narrow barring on chest and cheeks, the dark bars more numerous than in *afraoides*.

Type: T.M. No. 17258, adult ♂, Gomodimo Pan, Central Kalahari, 3rd April, 1930, No. 399, Vernay-Lang Kalahari Expedition. Wing 281 mm.

✓ *Afrotis afraoides mababiensis* subsp. nov.

In the main like *A. a. kalaharica*, but considerably darker above, owing to the great reduction in width of the pale rufous bars above and increased quantity of dark vermiculations.

Type: T.M. No. 17260, adult ♂, Mababe Flats, Ngamiland, 16th June, 1930, No. 1694, Vernay-Lang Kalahari Expedition. Wing 278 mm.

✓ *Afrotis afraoides centralis* subsp. nov.

In general coloration like *A. a. afraoides* (A. Smith), but with broader bars above of black, and larger in size.

Type: T.M. No. 14304, adult ♂, Ventersburg District, 7th December 1925. Wing length 299, tail 150, tarsus 92, culmen 35 mm.

***Heterotetrax rüppellii namaqua* subsp. nov.**

Differs from *H. r. rüppellii* (Wahlberg) (J. Orn., 1857, p. 1) in being darker about the upper parts and sides of neck, with less pink suffusion and more conspicuous dark vermiculations; the black stripe below the black gular patch extending only halfway down the throat; the under parts of body not so uniform white, rather buffy white, the flanks in the male slightly, in the female more conspicuously, vermiculated. Whereas in typical *rüppellii* there is a black stripe from the gape to the gular patch, sometimes also traces of black on the eyebrows, in the present form there is no trace of black about the face, only a nape spot and gular patch.

Type: T.M. No. 17832, adult ♂, Gibeon, South West Africa, 29th September, 1931, collected and donated, together with a female taken at the same time, by R. D. Bradfield.

***Heterotetrax rüppellii orangensis* subsp. nov.**

Differing from *H. rüppellii namaqua* in its very pink suffusion above and below, darker shade on the head, neck and breast, but the black of the throat also extending in a narrow line below the gular black patch only halfway down the throat. In size also larger, as large as the darker species *vigorsi* of the Karroo.

Type: T.M. No. 17834, adult ♂, Putzonderwater, west of Kenhardt, Cape Province, 2nd October, 1931, collected and donated by R. D. Bradfield.

***Calopteroles burchelli makarikari* subsp. nov.**

Distinguishable from *C. b. burchelli* W. L. Sclater (formerly known as *Pterocles variegatus* Burchell) in its consistently paler general coloration.

Type: T.M. No. 17274, adult ♂, Nkate, Northern Bechuanaland, 17th August, 1930, No. 2837, Vernay-Lang Kalahari Expedition.

***Nyctiperdix bicinctus chobiensis* subsp. nov.**

Somewhat connectant between *N. b. bicinctus* (Temminck) of Namaqualand and *N. b. multicolor* (Hartert) of Transvaal, but distinguished from both by its less rufous nape and upper parts generally and more conspicuous white spott ng.

Type: T.M. No. 17314, adult ♂, Kabulabula, Chobe River, 12th July, 1930, No. 2081, Vernay-Lang Kalahari Expedition.

***Streptopelia semitorquata maxima* subsp. nov.**

The largest race of the species, the wing length 212 mm., but in colour not outstandingly different.

Type: T.M. No. 17335, adult ♂, Toten-Maun Road, Ngamiland 18th May, 1930, No. 1028, Vernay-Lang Kalahari Expedition.

***Streptopelia semitorquata australis* subsp. nov.**

Averaging smaller than *S. s. maxima*, but still larger than any form in the north, wing length 187–200 mm., averaging 195; in colour not markedly different. Its range extends from the Eastern Cape Province northwards to the Zambesi Valley.

Type: T.M. No. 12978, adult ♂, Sekororo, Leydsdorp District.

***Vinago schalowi chobiensis* subsp. nov.**

Differing from *V. schalowi damarensis* Reichenow in being duller yellow on head and under parts of body, the upper parts of body slightly darker and the fringes of the wing-coverts paler yellow. Differing from *V. s. schalowi* Reichenow in having a very pronounced grey collar.

Type: T. M. No. 17928, adult ♀, Kasane, Chobe River, 28th July, 1930, No. 2699, Vernay-Lang Kalahari Expedition.

***Corythaixoides concolor bechuanae* subsp. nov.**

Differing from *C. c. concolor* A. Smith of Zululand in having the general coloration slightly paler, especially the cheeks, a greenish tinge on the chest and averaging larger.

Type: T.M. No. 17290, adult ♂, Gaberones, Bechuanaland, 7th March, 1930, No. 37, Vernay-Lang Kalahari Expedition.

***Corythaixoides concolor chobiensis* subsp. nov.**

Paler than *C. c. concolor*, especially about the cheeks, lacking the greenish tinge on the breast that is seen in *C. c. bechuanae*, but large like the latter form.

Type: T.M. No. 17291, adult ♂, Kabulabula, Chobe River, 18th July, 1930, No. 2256, Vernay-Lang Kalahari Expedition.

***Corythornis cristata longirostris* subsp. nov.**

In size averaging smaller than *C. c. cristata* (Pallas) of South Africa (wing length 54–57·5, as compared with 57–60), but with a longer bill (culmen 33·5–37·5, average of 17 specimens 35·3, as compared with 31–34, average of 16 specimens 31·5), and the underside of wing paler.

Type: T.M. No. 17499, adult ♂, Kabulabula, Chobe River, 22nd July, 1930, No. 2468, Vernay-Lang Kalahari Expedition.

***Tockus erythrorhynchus nagmiensis* subsp. nov.**

Differing from *T. e. rufirostris* (Sundevall) in its larger bill and average size, in that respect more like the whiter Damaraland form (*damarensis*), but in colour nearer *rufirostris*, only two of the secondaries with broad white tips, the outermost tail feathers not white to the base, and with the head, neck and breast not so white

Type: T.M. No. 17356, adult ♂, Maun, Ngamiland, 21st May, 1930, No. 1154, Vernay-Lang Kalahari Expedition.

Protocus suahelicus australis subsp. nov.

This name displaces that of "*Lophoceros melanoleucus* Lichtenstein" of South Africa, but since the original description applies to the Trumpeter Hornbill (except for the bill being described as red), a new name is required. Neumann's name of *suahelicus* for the East African form being the next available one, it must be used for the species. The South African form differs in its large size as well as thinner white stripes on the sides of the head. Wing, in the ♂ type, 266, tail 235, tarsus 32, culmen 97, as compared with about 240, 210, 29 and 98, respectively, in the *suahelicus* male.

Type: T.M. No. 17145, adult ♂, Riet River, Bathurst District, 22nd August, 1931.

Smithiglaux capensis ngamiensis subsp. nov.

Differs from *S. c. capensis* (A. Smith) in having the head and neck dark brown barred with white, instead of "red chestnut brown with imperfect bars." *S. c. rufus* (Gunning and Roberts) of the Lower Zambesi area, is an altogether brighter, more rufous coloured form.

Type: T.M. No. 17384, adult ♂, Maun, Ngamiland, 21st May, 1930, No. 1147, Vernay-Lang Kalahari Expedition.

Crotema fossii youngi subsp. nov.

Like *C. fossii fossii* (Hartlaub) in respect of the outer tail feather having the outer web white for the whole length, and the tip of the same feather broadly white, but the tail considerably longer, 140 mm. as compared with a maximum of 130 mm. in eastern specimens and 90 to 106 in the type and cotype of *fossii*.

Type: A.M. No. 5971, adult, not sexed, Livingstonia, Central Africa, collected by the Rev. W. P. Young, on 10th December, 1928, and presented to the Albany Museum, Grahamstown.

Urocolius indicus ngamiensis subsp. nov.

Differing from *U. i. transvaalensis* Roberts in being greener tinged, under parts not so buffy shaded and chin paler. *U. i. lacteifrons* (Sharpe) of Damaraland and *U. i. angolensis* (Reichenow) are paler forms, and *U. i. pallidus* (Reichenow) of the area from Nyasaland to the East Coast, is considerably smaller.

Type: T.M. No. 17506, adult ♂, Maun, Ngamiland, 26th May, 1930, No. 1248, Vernay-Lang Kalahari Expedition.

Notopogonius leucomelas centralis subsp. nov.

Paler yellow below than *N. l. tongensis* Roberts, flanks normally not striped, red frontal patch about 10 mm. in length, size averaging rather more, wing in males 79-82, tail 46-51, tarsus 18-20, culmen 18-20.5 mm.

Type: T.M. No. 3617, adult ♂, Rustenburg, Transvaal, 10th November, 1907.

Notopogonius leucomelas nkatiensis subsp. nov.

As compared with *N. l. centralis* silkier and whiter below, flanks not striped, red frontal patch 7 mm. long, size smaller; wing, in ♀, 73, tail 44, tarsus 18, culmen 16.5 mm.

Type: T.M. No. 17565, adult ♀, Nkate, Northern Bechuanaland, 11th August, 1930, No. 2862, Vernay-Lang Kalahari Expedition.

Africorys africana ghansiensis subsp. nov.

A pale form coming nearest to *A. a. pallidior* (Shelley) of Ovamboland, but not so pallid above and below.

Type: T.M. No. 17591, adult ♂, Gemsbok Pan, Ghanzi District, 28th April, 1930, No. 660, Vernay-Lang Kalahari Expedition.

Africorys africana ngamiensis subsp. nov.

A dark form, the crown very dark with broad black centres to the feathers and little rufous showing on the nape, the back buffy greyish, with but little black showing, ear-coverts pale rufous with brown flecking and blackish on the upper margin; lores, superciliary stripe, cheeks and throat, buffy white, the cheeks with black flecks; rump buffy brownish grey; upper tail-coverts similar, but with dark centres; tail brown with rufous margins, becoming speckled pale buffy on the whole outer web of outermost feather.

Type: T.M. No. 17589, adult ♂, Mababe Flats, Ngamiland, 14th June, 1930, No. 1582, 14th June, 1930, Vernay-Lang Kalahari Expedition.

Corypha hewitti kalaharica subsp. nov.

A light-coloured form, above pale pinky, with narrow obscure brownish central stripes above, not much mottled nor dark rufous like *C. h. hewitti* (Roberts) of Transvaal, lighter coloured than even *C. h. deserti* (Roberts) of Omutako Flats, South West Africa, which is a redder bird.

Type: T.M. No. 17633, adult ♂, Gemsbok Pan, 29th April, 1930, No. 688, Vernay-Lang Kalahari Expedition.

Corypha fischeri mababiensis subsp. nov.

A paler form, both above and below, than *C. f. fischeri* (Reichenow) of the eastern area, but not so pallid as *C. damarensis* (Sharpe) of Ovamboland.

Type: T.M. No. 17636, adult ♂, Tsotsoroga Pan, Ngamiland, 26th June, 1930, No. 1916, Vernay-Lang Kalahari Expedition.

Anacorys africanoides sarwensis subsp. nov.

General coloration above and below considerably paler than in *A. a. harei* (Roberts) of Damaraland, the ground colour above pale vinous instead of rufous and under parts of body purer white; superciliary stripe, lores,

and line below the eyes to fore part of ear-coverts white ; the rest of the ear-coverts pale rufous in contrast ; white under parts of body with scattered triangular flecking across the chest.

Type: T.M. No. 17596, adult ♂, Kaotwe Pan, Central Kalahari, 10th April, 1930, No. 495, Vernay-Lang Kalahari Expedition.

***Anacorys africanoides makarikari* subsp. nov.**

Even paler than *A. a. sarwensis*, the ground colour above conspicuously lighter, but with broader dark centres, ear-coverts not so reddish and browner ; below white, with a few scattered and tiny triangular brown marks across the breast.

Type: T.M. No. 17593, adult ♂, Nkate, Northern Bechuanaland, 12th August, 1930, No. 2883, Vernay-Lang Kalahari Expedition.

***Sabota sabota sabotoides* subsp. nov.**

Considerably paler above than both *S. s. sabota* (A. Smith) of the east and *S. s. naevia* (Strickland) of the west, the superciliary stripe pure white, and much whiter about the neck, back and margins of all wing feathers ; below also whiter than *naevia* ; the bill slender as in *sabota*, but longer, 14-16 instead of 13-14 mm. The spotting on the breast not as heavy as in *sabota*, nor so scattered and small as in *naevia*.

Type: T.M. No. 17719, adult ♂, Gemsbok Pan, 28th April, 1930, No. 661, Vernay-Lang Kalahari Expedition.

***Chersomanes albofasciata bradfieldi* subsp. nov.**

A very rufous form, closely related to *C. a. arenaria* (Reichenow) of Damaraland, but of a brighter and deeper rufous and without the dark subterminal marks on the feathers of the middle of the upper parts, from the neck to the upper tail coverts ; the crown on the other hand has wider dark centres and shows up in stronger contrast to the back. The pectoral spots are barely visible.

Type: T.M. No. 17815, adult ♂, Langklip, Great Namaqualand, 2nd October, 1931, donated by R. D. Bradfield.

***Chersomanes albofasciata alticola* subsp. nov.**

A dark form, slightly lighter rufous below than *C. a. albofasciata*, but much darker above, owing to the greater width of the dark centres and absorption of the light margins of all the feathers ; the ear-coverts duller rufous with brownish tips ; sides of neck and upper breast with dark brown streaks.

Type: T.M. No. 11422, adult ♂, van Wyk Mine, Boksburg, Transvaal, 3rd January, 1916.

Chersomanes albofasciata subpallida subsp. nov.

Somewhat resembling *C. a. albofasciata* above, slightly less rufous and rather darker on the crown, but with a distinct nuchal band, paler rufous on the rump, upper tail-coverts, cheeks and whole of the under parts of body; the chest is fairly heavily marked with small triangular dark brown spots in the type.

Type: T.M. No. 776, adult ♂, Marabastad, Pietersburg District, Transvaal, 25th November, 1902, collection of J. van O. Marais.

Psomophilus capensis bradfieldi subsp. nov.

Averaging darker than *Ps. c. capensis* (Linn.) of the South-Western Cape Province, especially noticeable about the sides of face.

Type: T.M. No. 13681, adult ♂, Swakopmund, 22nd January, 1925, donated by R. D. Bradfield.

Psomophilus capensis beirensis subsp. nov.

Yellower below, and more tinged with yellow above, than *Ps. c. capensis*.

Type: T.M. No. 4181, adult ♂, Zimbiti, Beira, 22nd April, collection of P. A. Sheppard.

Meganthus vaalensis chobiensis subsp. nov.

In general coloration above and below a shade paler than *M. v. vaalensis* (Shelley), the chest faintly spotted and in size smaller, wing length in males 98-99, in females 90-91 mm.

Type: T.M. No. 17587, adult ♂, Kabulabuia, Chobe River, 21st July, 1930. No. 2435, Vernay-Lang Kalahari Expedition.

Turdoides jardinei natalensis subsp. nov.

Similar in colour to *T. j. jardinei* (A. Smith) of the Western Transvaal, but shorter winged, 96-109, average about 104.5 mm. as compared with 103-116, average of 70 specimens 110 mm.

Type: T.M. No. 4328, adult ♂, Weenen, Natal, 16th September, 1908, collection of E. P. B. Arnold, wing length 109, tail 109, tarsus 33, culmen 21.5 mm.

Pycnonotus (Loidorus) tricolor annectans subsp. nov.

Most like *P. t. tricolor* Hartlaub of Angola; but with the fore part of crown black and only the hinder part brown; above and below lighter coloured than both *tricolor* and *ngamii*.

Type: T.M. No. 14394, adult ♀, Machile River, Northern Rhodesia, collection of C. Wilde; wing length 93, tail 87, tarsus 20, culmen 16 mm.

Peliocichla libonyanus chobiensis subsp. nov.

Differs from *P. l. cinerascens* (Reichenow) of Tabora, Tanganyika Territory, in its greyer coloration above and slightly duller orange buffy flanks in the fresh feathering. From *P. l. libonyanus* (A. Smith) of Western

Transvaal it differs in its average smaller size, slightly greyer tone above and slightly paler flanks and sides of face. *P. l. verreauxi* (Bocage) of Caconda, S. Angola, is paler on the flanks. The breast is yellow, with very little olive suffusion, in this respect resembling the brighter coloured *P. l. tropicalis* (Peters) of Inhambane, to which specimens from Beira are probably referable. Wing length in male 114, in ♀ 107; tail ♂, 87, ♀ 91; tarsus 29, 28; culmen 21.5 mm.

Type: T.M. No. 17577, adult ♂, Kabulubula, Chobe River, 24th July, 1930, No. 2530, Vernay-Lang Kalahari Expedition.

***Myrmecocichla formicivora minor* subsp. nov.**

In the main like *M. f. formicivora* (Vieillot) of the Sondags River, Cape Province, but darker and smaller, wing length in males 93-99, as compared with 104-107, tail 55-61: 58-64, tarsus 29-30.5: 31-34, culmen, 17.5-19.5: 18-20 mm.; females are proportionately smaller.

Type: T.M. No. 17574, adult ♂, Gemsbok Pan, 1st May, 1930, No. 713, Vernay-Lang Kalahari Expedition.

***Erythropygia leucophrys limpopoensis* subsp. nov.**

The pectoral stripes more extended than in *E. l. makalaka* Neumann, the head not so markedly greyer brown than the back as in that form and the tail redder, though not so definitely red as in *zambesiana* Sharpe. It is a redder bird than *E. l. pectoralis* (A. Smith), which occurs a little to the south.

Type: T.M. No. 10613, adult ♂, Buby River, Southern Rhodesia, collection Austiu Roberts (Museum Expedition).

***Hemipteryx major marleyi* subsp. nov.**

An unstriped form like *H. major major*, with dark patches on each side of the breast, but differing therefrom in its darker crown and back, the latter showing a considerable edging of white, and somewhat smaller in size: wing length 51, tail 25, tarsus 21, outermost primary 10.5, middle toe and claw 15.5. It has a considerable resemblance to "*Cisticola textrix bulabula*" Lynes of Angola, but is whiter over the margins of the feathers of the back, not quite so dark above and is smaller in size.

Type: T.M. No. 15237, adult ♂, 9th December, 1929, Manaba, Zululand, collection of Austin Roberts (Union Research Grant Expedition).

***Camaroptera brevicaudata beirensis* subsp. nov.**

Differs from *C. b. sundevalli* Sharpe in being very pale greyish on the throat in the male in breeding plumage, less yellow—more white—on the remaining under parts of body at all seasons and in both sexes.

Type: T.M. No. 10427, adult ♂, Zimbiti, Beira, 15th December, 1917, collection P. A. Sheppard.

***Camaroptera brevicaudata marleyi* subsp. nov.**

Differing from *C. b. beirensis* and *C. b. sundevalli* in having the crown and back much darker grey, the tail greyer and the yellow on the wings duller.

Type: T.M. No. 16522, adult ♂, caught at a nest, Moshi, Mkusi River, Northern Zululand 3rd November, 1930, collected and donated by H. W. Bell-Marley.

***Priniops ocellaria hewitti* subsp. nov.**

Differing from *P. o. ocellaria* (A. Smith) of the lower Vaal River area (Kuruman) in its darker coloration, the upper parts less rufous, the ear-coverts a shade darker and duller, the flanks and breast greyer.

Type: T.M. No. 17195, adult ♂, The Acrodrome, Grahamstown, 22nd August, 1931. Two more specimens were procured by me at the same place, and there are also specimens in the Transvaal Museum Collection from Burghersdorp and De Aar, which are more like this than the typical form.

***Dryoscopus cubla okavangensis* subsp. nov.**

Males much like *D. c. hamatus* Hartlaub, of Tanganyika Territory, in respect of the white on the wings, but inclined to have whitish tips on the black feathers of the back; the females easily distinguished by having the feathers of the forehead flecked with grey and the black feathers of the back considerably edged with white. Wing length in males 81-85, in females 75-79.

Type: T.M. No. 17653, adult ♀, Maun, Ngamiland, 20th May, 1930, No. 1920, Vernay-Lang Kalahari Expedition.

***Tschagroides australis rhodesiensis* subsp. nov.**

Differing from *T. a. australis* (A. Smith) in having a shorter tail and browner, less rufous, upper parts; with a longer tail, more buffy under parts and browner upper parts than in *T. a. congener* (Reichenow) of Mozambique. Wing length 68-76, tail 86-90, tarsus 23-26, culmen 16-19; in *australis* the wing measures 74-81, tail 90-103, and in *congener*, wing 70-76, tail 74-83 mm.

Type: T.M. No. 17491, adult ♂, Kabulubula, Chobe River, 24th July, 1930, No. 2537, Vernay-Lang Kalahari Expedition.

***Orthotchagra * senegala kalahari* subsp. nov.**

Considerably paler above than *O. s. confusa* van Someren of Eastern South Africa and below grey and white like that form, but with the under tail-coverts dull white instead of buffy; ear-coverts also paler rufous and the white eyebrow not extending behind the eye, the hinder part of this stripe buffy rufous. *O. s. orientalis* (Cabanis) is considerably redder.

Type: T.M. No. 17489, adult ♂, Mabeleapudi, Ngamiland, 6th May, 1930, No. 796, Vernay-Lang Kalahari Expedition. Wing length 86, tail 105, tarsus 29, culmen 22.5 mm.

* A new name for *Telophonus* or *Telephonus*, a printing error for *Telophorus* of earlier date, genotype *Lanius senegalus* Linn.

***Anthodiaeta collaris chobiensis* subsp. nov.**

Coloured like *A. c. zambesiana* (Shelley), but longer winged, in the type 57 and another ♂ 55·5, as compared with 50–52, rarely as much as 54 mm.

Type: T.M. No. 17604, adult ♂, Kasane, Chobe River, 26th July, 1930, No. 2629, Vernay-Lang Kalahari Expedition.

***Hyphantornis (Oriolinus) xanthops maunensis* subsp. nov.**

Larger than *H. x. jamesoni* (Sharpe) of Umfuli River, and brighter, more yellowish coloured in winter plumage. *H. x. xanthops* (Hartlaub) is smaller, wing length about 90 mm. in the type, than *jamesoni*, wing length 92–95; in the Ngamiland form, wing length in males 95–100 mm.

Type: T.M. No. 17511, adult ♂, in winter plumage, Maun, Ngamiland, 4th June, 1930, No. 1411, Vernay-Lang Kalahari Expedition.

***Amblyospiza albifrons maxima* subsp. nov.**

Much larger than any previously described form and in colour darker than *A. a. albifrons* (Vigors) of the Eastern Cape Province and Natal. As compared with specimens of the same sex and season from Pondoland, darker brown over the head (except the forehead which is whitish to light brown in the winter plumage), neck and chest, becoming black over the remaining upper parts and greyish dark brown below, the feathers of the mantle, back, rump, upper tail-coverts, and the secondaries narrowly margined with buffy; the under parts of body from chest to belly conspicuously and the under tail-coverts more broadly dull white; tail and primary quills black with narrow white margins at the tips in the former and with a broad white speculum at the base of the latter.

Type: T.M. No. 17590, adult ♂, in winter plumage, Kasane, Chobe River, 27th July, 1930, No. 2673, Vernay-Lang Kalahari Expedition. Wing length 108, tail 83·5, tarsus 24·5, culmen 26 mm.

***Amadina fasciata noomei* subsp. nov.**

Like *A. f. meridionalis* Neunzig of Northern Rhodesia in respect of its dark coloration above, but more black than fawn-coloured over the head and hind neck, and below paler, the parts below the white gular bar pale (between vinaceous-buff and tilleul-buff of Ridgway), and in wing length larger than any form so far described, namely, 71·5 mm.

Type: T.M. No. 17602, adult ♂, between Mabeleapudi and Ngami Flats, 28th April, 1930, No. 1121, Vernay-Lang Kalahari Expedition.

***Ortygospiza atricollis pallida* subsp. nov.**

Paler above and below than *O. a. bradfieldi* Roberts.

Type: T.M. No. 17686, adult ♂, Nkate, Northern Bechuanaland, 8th August, 1930, No. 2788, Vernay-Lang Kalahari Expedition.

Paludipasser irisae sp. nov.

In colour most like *Paludipasser uellensis*, but differing therefrom in having white, or pink and white, dots over the feathers of the whole back, and tiny white dots or very narrow margins at the end of the tail feathers below. The female has no red on the face and throat to breast like the male, and the chin to belly are white, the flanks barred white on a black ground.

Type: T.M. No. 17927, adult ♂, collected (and donated to the Transvaal Museum) by Captain and Mrs. (Iris) C. D. Priest, 25 miles south of Marandellas Village, Southern Rhodesia, on 30th December, 1930.

Estrilda astrild ngamiensis subsp. nov.

In general most like *E. a. cavendishi* Sharpe, of Mozambique, in respect of the pinky white throat and cheeks, the white extending to the red postocular area, but paler on the upper parts, though not so pale as *E. a. damarensis* Reichenow of Rehoboth, Damaraland. In size about the same as *E. a. nyansae* Neumann, smaller than *E. a. astrild* of the Union of South Africa, the bill and tail in particular shorter, wing length 46-49.5, tail 46-50.5, tarsus 12.5-14, culmen 8-8.9 mm.

Type: T.M. No. 17555, adult ♂, Shorobe, on the Thamalakane River north of Maun, Ngamiland, 10th June, 1930, No. 1512, Vernay-Lang Kalahari Expedition.

Serinus mozambicus vansoni subsp. nov.

Differing from *S. m. mozambicus* (Müller) of Mozambique in its paler general colouration above and below. The yellow frontal band also constantly narrower and the tips of the tail feathers whiter.

Type: T.M. No. 17728, adult "♀" (probably a ♂), Zweizwe Waterhole, between Mababe Flats and Chobe River, 8th July, 1930, No. 2030, Vernay-Lang Kalahari Expedition. Wing length 69, tail 45, tarsus 13, culmen 9.2 mm.

Serinus angolensis semideserti subsp. nov.

General coloration paler, with less buffy suffusion above and below, than *S. a. deserti* (Reichenow) and *S. a. atrogularis* (A. Smith), the black on chin and throat as extensive as in the latter, and forehead white, outer tail feathers white on the whole inner web and inner edge of outer web, shoulders greyish.

Type: T.M. No. 17727, adult ♂, Machumi Pan, south of Mabeleapudi, 6th May, 1930, No. 794, Vernay-Lang Kalahari Expedition. Wing length 69, tail 44, tarsus 12, culmen 8.5 mm.

Serinus angolensis fitzsimonsi subsp. nov.

General coloration darker above than even *S. a. atrogularis* (A. Smith), but without the buffy suffusion characteristic of that form and *deserti* (Reichenow), the forehead not so white as in *deserti* and *semideserti*; but

the black on chin and throat as extensive as in *atrogularis*; outer tail feathers with more white than in *atrogularis*, but less than in *semideserti*, and base of inner web always brown.

Type: T.M. No. 17726, adult ♂, Nkate, Northern Bechuanaland, 22nd August, 1930, No. 3001, Vernay-Lang Kalahari Expedition.

***Emberiza flaviventris kalaharica* subsp. nov.**

Differing from *E. f. flaviventris* Stephen in its more uniform back, the stripes on the upper back present only in the young and in females, upper tail-coverts greyish white like the rump.

Type: T.M. No. 17654, adult ♂, Tsotsoroga Pan, 18th June, 1930, No. 1734, Vernay-Lang Kalahari Expedition.