

NOTES ON THE *FALCONIDAE* IN THE CORYNDON
MEMORIAL MUSEUM.

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(BY PERMISSION OF THE TRUSTEES.)

The object of these notes on *Falconidae* in the Coryndon Museum is to make available to other workers data based upon this collection, especially in respect of the distribution of species, as in many cases there are specimens from localities not recorded by Dr. van Someren (1922 and 1932), or by Sir Frederick Jackson (1938). Birds collected, in 1942, are not included.*

GENUS *Falco*.

- (1) *Falco peregrinus perconfusus* Collin and Hartert.
African Peregrine. One specimen.
A juvenile female collected at Ruiru, Kenya, by M. P. Seth-Smith, circa 1914. Wing 310 mm. (New locality record.)
- (2) *Falco biarmicus biarmicus* Temminck.
South African Lanner. One specimen.
A juvenile male collected at Apis Rock, South-East Serengeti Plains, Tanganyika, by L. S. B. Leakey, on 3/9/32. Wing 281 mm. (Note.—Much smaller than recorded males of this species and possibly a new sub-species.)
- (3) *Falco biarmicus abyssinicus* Neumann.
Abyssinian Lanner. No specimen.
- (4) *Falco subbuteo subbuteo* Linn.
European Hobby. One specimen.
A male (mounted) collected at Naivasha, Kenya, by H. J. A. Turner. No other data. (New locality record.)
- (5) *Falco cuvieri* Smith.
African Hobby. Five specimens.
A male (mounted) collected at Nairobi, Kenya, by H. J. A. Turner in July, 1911. No other data.
A male collected at Kampala, Uganda, by E. S. Subuga, on 1/3/40. Wing 225 mm.

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Members of the Society are urged to assist in collecting material representing the species of which there are either no or very few specimens in the Museum.

A male collected by A. M. Champion at Kapsabet, Kenya, on 13/10/37. Wing 230 mm. (New locality record.)

A female collected at Kapenguria, Kenya, by A. M. Champion, on 12/10/37. Wing 240 mm. (New locality record.)

A female collected at Kapsabet, Kenya, by A. M. Champion, on 12/10/37. Wing 252 mm.

(6) *Falco fasciinucha* Reich. and Reum.
Teita Hobby. No specimen.

(7) *Falco concolor* Temminck.
Sooty Falcon. No specimen.

(8) *Falco chicquera ruficollis* Swainson.
Rufous-necked Falcon. Two specimens.

A juvenile male collected at Kilifi, Kenya, by M. E. W. North. Wing 230 mm. (A new locality record.)

A female collected by A. M. Champion at Limpete, Lake Rukwa, Tanganyika, on 9/7/38. Wing 195 mm.

Note.—The juvenile male shot by M. E. W. North has a wing measurement which equals that given for females by Jackson while the female shot by A. M. Champion has a measurement only equal to the male measurements given by the same authority, but as both these collectors are very careful about sexing their specimens one hesitates to suggest that the sexing is wrong.

(9) *Falco tinnunculus tinnunculus* Linn.
European Kestrel. Twenty specimens.

A male (mounted) collected at Naivasha. No other data.

A male in adult plumage collected by G. H. Hopkins at Njoro, Kenya, on 11/1/37. Wing 250 mm. (New locality record.)

A male in adult plumage collected at Rusinga Island, Lake Victoria, Kenya, by G. Bell, on 16/2/35. Wing 239 mm. (New locality record.)

A male in adult plumage collected at Busia, Kenya, by G. H. Hopkins, on 19/12/36. Wing 245 mm. (New locality record.)

A male in juvenile plumage collected at Kanjera, Lake Victoria, by L. S. B. Leakey, on 15/3/32. Wing 240 mm. (New locality record.)

A male in juvenile plumage from Lumbo, Portuguese East Africa. No other data. Wing 232 mm.

One male in juvenile plumage collected in Nairobi, on 31/3/17. No other data. Wing 242 mm.

One male in juvenile plumage collected at Morogoro, Tanganyika, by A. Loveridge, on 4/2/18. Wing 250 mm.

Two males in juvenile plumage collected by J. Cushney at Lumbwa, Kenya, in December, 1913. Wings 244 mm. and 243 mm. respectively. (New locality record.)

One male in juvenile plumage collected by H. G. Hopkins at Limuru, Kenya. No date. Wing 247 mm.

One male in juvenile plumage collected by A. M. Champion at Kapenguria, Kenya, on 23/3/33. Wing 235 mm. (New locality record.)

One female collected by G. H. Hopkins at Jinja, Uganda, on 13/1/37. Wing 251 mm. (New locality record.)

One female collected at Nairobi, Kenya, by G. R. van Someren, on 17/3/35. (Shot from a migration of about seventy birds.) Wing 251 mm.

One female collected by G. R. van Someren at Ngong, Kenya, on 12/3/35. Wing 250 mm.

One female collected by A. L. Loveridge at Morogoro, Tanganyika, on 4/1/18. Wing 254 mm.

One female collected by L. S. B. Leakey at Kamuthanga, Kenya, on 26/2/41. Wing 250 mm.

One female collected at Dodoma, Tanganyika, on 6/12/40. No other data. Wing 248 mm.

One female collected by H. G. Hopkins at Molo, Kenya, on 21/12/36. Wing 258 mm. (New locality record.)

One female collected by R. L. Harger, near Nairobi, on 26/12/31. Wing 248 mm.

(10) *Falco tinnunculus* near *carlo* (Hart. and Neum.).

African Mountain Kestrel

(local variant). Two specimens.

One male (mounted) collected by L. S. B. Leakey at Oldoway Gorge, South-East Serengeti, Tanganyika, from a pair that were nesting on a rock ledge, on 25/8/41. Wing 232 mm.

One female collected by L. S. B. Leakey from a pair nesting on a ledge in a small cliff at Kikuyu Escarpment, on 8/8/32. (Clutch of four eggs taken.) Wing 220 mm.

Notes.—These two specimens, both of which were collected from nesting pairs in the month of August, are possibly true examples of *F. tinnunculus carlo*, but the female is somewhat smaller than this species is supposed to be and, moreover, they differ from the only specimen of the species that this Museum possesses from Abyssinia, the country from which this species was originally described.

For the time being these two specimens are, therefore, described as "near *carlo*" and not as "*carlo*."

It is very possible that when more material has been collected it will be necessary to make a new sub-species.

- (11) *Falco tinnunculus carlo* (Hart. and Neum.).
 African Mountain Kestrel. One specimen.
 A female collected by A. Buchanan at Debra Marcos, Abyssinia, on 23/6/41. Wing 244 mm.
 This specimen appears to be a true example of *F. tinnunculus carlo* and it differs from the female found breeding on the Kikuyu Escarpment, in having spotted thighs, much darker breast, very much darker upper parts, and in being much larger. (Wing 243 mm., as against 220 mm. in the Kenya female.)
- (12) *Falco rupicoloides arthuri* (Gurney.).
 Larger East African Kestrel. One specimen.
 A female (mounted) collected by L. S. B. Leakey from a nesting pair (clutch of four eggs taken) near Machakos, Kenya, on 17/5/41. The nest was in an isolated thorn tree on the open plains and about 20 feet above the ground. Wing 254 mm.
- (13) *Falco naumanni naumanni* Fleischer.
 Western Lesser Kestrel. Four specimens.
 A male collected by A. M. Champion at Kapenguria, Kenya, on 3/4/33. Wing 220 mm. (New locality record.)
 A male collected by E. H. Ward on the Kinangop Plateau, Kenya, on 8/3/28. Wing 230 mm. (New locality record.)
 A male collected by A. Fischer at Nairobi, Kenya, on 3/3/12. Wing 238 mm.
 A female collected by A. Fischer at Nairobi, Kenya, on 3/3/12. Wing 230 mm.
- (14) *Falco naumanni pekinensis* Swinhoe.
 Eastern Lesser Kestrel. No specimen.
- (15) *Falco amurensis* Radde.
 Eastern Red-legged Kestrel. No specimen.
- (16) *Falco ardosiaceus* Bonne. and Vieil.
 Grey Kestrel. No specimen.
- (17) *Falco* (species indet.). One specimen.
 A male kestrel collected by L. S. B. Leakey at Kanjera, Kendu Bay, Kenya, on 17/12/34. Wing 240 mm.
 This specimen at first sight seems to be a female example of *F. tinnunculus tinnunculus*, but it cannot be even an immature wrongly sexed specimen of this species, as it had a greyish-white eye and not a brown eye.
 Of the white-eyed kestrels, it is not *F. rupicoloides arthuri* since its tail is rufous with about ten bars and not bluish-grey with about six bars as in *arthuri*.
 It may possibly be *Falco rupicoloides fieldi*, but I have no description of this sub-species available and do not know what is the colour of the tail.

- (18) *Falco* (species indet. No. 2). Two specimens.
A pair. These two birds were collected by H. G. Hopkins at Laropi, West Madi, Uganda, on 3/3/37. They closely resemble *Falco tinnunculus tinnunculus* in most respects, but the male, which is in full plumage, has much darker thighs than in the latter species as represented in this collection, and in addition to this the thighs are markedly spotted. The female specimen differs from the females of *F. tinnunculus tinnunculus* in having the tail much less conspicuously barred. These two birds are definitely not *F. tinnunculus carlo*.

GENUS *Poliohierax*.

- (19) *Poliohierax semitorquatus castanotus* (Heuglin).
Abyssinian Pygmy Falcon. Five specimens.
One female (mounted) collected by A. B. Percival at Simba, Kenya, on 16/11/08.
One male collected by D. G. MacInnes at Loruk, Baringo, Kenya, on 1/2/38. Wing 117 mm. (New locality record.)
One male collected by E. H. Ward at Ngare Ndare, North of Mount Kenya, Kenya, on 22/2/33. Wing 118 mm. (New locality record.)
One female collected by A. M. Champion at Karuao River, West Suk, Kenya, in August, 1936. Wing 119 mm. (New locality record.)
One female collected at Moroto, Uganda. No other data. Wing 113 mm. (New locality record.)

GENUS *Aviceda*.

- (20) *Aviceda cuculoides verreauxi* Lafresnaye.
South African Cuckoo-falcon. Five specimens.
One male (mounted) collected by J. Crichton at Nairobi, Kenya, in August, 1912.
One female in juvenile plumage (mounted) collected by H. Maingot at Nairobi, Kenya, on 27/9/41.
One male collected by C. G. MacArthur in the Karura Forest, near Nairobi, Kenya, in November, 1939. Wing 300 mm.
One female collected by G. V. L. van Someren at Ngong, Kenya, in July, 1939. Wing 295 mm.
One specimen without any data. Wing 285 mm.

GENUS *Chelictinia*.

- (21) *Chelictinia ricourii* (Vieil. and Oud.).
African Swallow-tailed Kite. One specimen.
One male collected by D. G. MacInnes at Ferguson Gulf, Lake Rudolf, Kenya, on 14/4/34. Wing 237 mm.

GENUS *Milvus*.

(22) *Milvus migrans migrans* (Boddaert).

Black Kite. Two specimens.

One female (mounted) collected in Nairobi by Sanders on 3/11/41.

One unsexed specimen collected by H. G. Hopkins at Laropi, West Nile, Uganda. Wing 438 mm.

(23) *Milvus migrans aegyptius* (Gmelin).

Egyptian Kite. One specimen.

A female (mounted) collected by T. Fletcher at Nairobi, Kenya, in December, 1941.

(24) *Milvus migrans parasitus* (Daudin).

African Kite. Fourteen specimens.

One specimen (mounted). No data.

Two males collected at Morogoro, Tanganyika, by A. Loveridge, on 30/11/17. Wings 420 mm. and 425 mm.

One male collected by A. Loveridge, west of Mount Kenya, Kenya, on 22/11/15. Wing 410 mm.

Two males collected by D. G. MacInnes at Lokitung, Lake Rudolf, Kenya, on 15/3/34. Wings 420 mm. and 410 mm.

One male collected at Kanjera, Lake Victoria, Kenya, on 18/2/32, by L. S. B. Leakey. Wing 420 mm.

One male collected by H. Maingot at Nairobi, in 1941. Wing 395 mm.

One male collected by L. S. B. Leakey at Kendu Bay, Lake Victoria, Kenya, on 22/3/32. Wing 390 mm.

One female collected by L. S. B. Leakey at Kendu Bay, Lake Victoria, Kenya, on 22/3/32, (pair with above specimen). Wing 415 mm.

One female collected by A. M. Champion, near Kitui, Kenya, on 7/1/38. Wing 425 mm.

One unsexed specimen collected by A. Loveridge at Morogoro, Tanganyika, on 28/2/18. Wing 420 mm.

Two specimens without data.

(25) *Milvus* (*milvus* sub-species indet.). One specimen.

One female collected by A. M. Champion at Kamasia, Kenya, on 24/9/33. Wing 465 mm. Length about 598 mm. (measured before skinning). This bird which is indubitably a *site* does not conform to any of the sub-species of *Milvus migrans*. It would appear to stand nearer to *Milvus milvus* (in immature plumage) and may possibly prove to be a sub-species of that *site*. A description of it is as follows:—

General colour of the upper parts brown, upper-tail and upper-wing coverts lighter brown and each feather tipped with dirty-white. Top of head, neck and nape, each feather

whitish edged with brown and with a dark brown shaft-streak. Above each eye a dark brown, almost black, narrow eye-brow. Ear coverts brown. Throat dirty-yellowish white. Neck and breast, each feather yellowish-white edged with brown on the sides. Abdomen, thighs and under-tail coverts tawny-brown, each feather white at base and yellowish-white at tips. General colour of primaries brown; but much darker and almost black at tips. Each primary with a patch of white on the inner web which also affects the quill. This white patch ends on each primary about 25 mm. before the notch on the inner web. The tail feathers are brown above and much paler brownish-grey below. The inner web of each tail feather being paler than the outer web. Faint traces of barring are visible on the tail both above and below. Iris brown, bill dark horny black, feet dirty-ivory, claws black. Tarsus feathered on upper half in front bare part of tarsus with large transverse scutes in front and covered with small scales behind, these extending right up to junction with tibia.

GENUS *Elanus*.

(26) *Elanus caeruleus caeruleus* (Desfontaines).

Black-shouldered Kite. Twenty-two specimens.

Three (mounted), a male, a female, and a juvenile collected at Naivasha, Kenya, by H. J. Allen Turner.

One male collected by G. R. C. van Someren in July, 1934. Wing 265 mm. (New locality record.)

One male collected in Nairobi, Kenya, on 28/9/38. No other data. Wing 265 mm.

One male collected near Nairobi, Kenya, on 3/12/15, by W. C. Johnson. Wing 273 mm.

One male collected by A. M. Champion at Nairobi, Kenya, on 9/2/38. Wing 258 mm.

One male collected by A. Loveridge at Morogoro, Tanganyika, on 6/6/17. Wing 257 mm.

One male collected by H. Maingot at Nairobi, in December, 1940. Wing 274 mm.

One male collected at Kampala, Uganda, by H. G. Hopkins, on 24/1/37. Wing 268 mm.

One female collected at Ngong, Kenya, in July, 1934. No collector's name. Wing 275 mm.

One female collected at Naivasha, Kenya, by H. J. Allen Turner. Wing 261 mm.

One female collected by L. G. van Someren at Nairobi, Kenya, on 18/3/38. Wing 260 mm.

One female collected by H. G. Hopkins at Limuru, Kenya, on 5/1/37. Wing 269 mm.

One female collected by H. G. Hopkins at Kampala, Uganda, on 6/9/37. Wing 269 mm.

One female collected by H. G. Hopkins in Kavirondo country, on 5/2/40. Wing 264 mm.

One unsexed specimen collected by H. G. Hopkins at Kikuyu Escarpment, on 1/1/37. Wing 265 mm. (New locality record.)

One unsexed specimen collected at Equator Farm, Kenya, in July, 1925. Wing 260 mm.

One unsexed specimen collected by A. M. Champion at Nairobi, Kenya, on 2/3/38. Wing 248 mm.

One specimen without any data.

Two nestlings without any data.

GENUS *Machaerhamphus*.

(27) *Machaerhamphus anderssoni* (Gurney).

Bat-eating Buzzard or Andersson's Pern. No specimen.

GENUS *Pernis*.

(28) *Pernis apivorus apivorus* (Linn.)

Honey-buzzard. One specimen.

One specimen (mounted) from Kabete, Kenya. Collected by D. G. McInnes in April, 1938. (New locality record.)

GENUS *Aquila*.

(29) *Aquila verreauxi* Lesson.

Verreaux's Eagle. No specimen.

(30) *Aquila nipalensis orientalis* Cabanis.

Western Steppe Eagle. Two specimens.

One male (mounted) collected by L. S. B. Leakey at Naivasha, Kenya, on 29/11/41. Wing 530 mm.

One specimen (probably female) without any data. Wing 570 mm.

(31) *Aquila rapax raptor* A. E. Brehm.

Abyssinian Tawny Eagle. Two specimens.

One female (mounted) collected by H. J. Allen Turner on the Athi Plains, near Nairobi, Kenya, in December, 1912.

One male ? collected by A. Loveridge at Dodoma, Tanganyika, on 6/12/18. Wing 550 mm.

Note.—If the sexing was right then this wing measurement far exceeds normal male measurements, even for a female it is large.

(32) *Aquila pomarina* C. L. Brehm.

Lesser Spotted Eagle. No specimen.

(33) *Aquila wahlbergi* Sundevall.

Wahlberg's Eagle. Two specimens.

One female collected by Dr. Spurrier in Nairobi, on 10/4/12. Wing 440 mm. (New locality record.) This specimen was wrongly catalogued in the Museum Records as *Buteo desertorum*!!

One specimen without any data at all, but probably male. Wing 412 mm.

GENUS *Hieraaëtus*.

(34) *Hieraaëtus spilogaster* (Bonaparte).

African Hawk-eagle. Three specimens.

One male and one female collected by C. Moreau in a forest clearing at Amani, Tanganyika. The male was collected on 1/11/38, wing 405 mm.; and the female on 5/8/37, wing 425 mm.

One immature bird (unsexed) in brown plumage, collected at Maragua, Fort Hall, Kenya, on 24/1/34, by A. J. W. Reed, while attacking fowls. Wing 432 mm. (New locality record.)

(35) *Hieraaëtus ayresi* (Gurney).

Ayre's Eagle. One specimen.

One male (mounted) collected at Nyeri, Kenya, by L. S. B. Leakey, in December, 1941. Wing 349 mm. (New locality record.)

(36) *Hieraaëtus pennatus* (Gmelin).

Booted Eagle. No specimen.

GENUS *Polemaëtus*.

(37) *Polemaëtus bellicosus* (Daudin).

Martial Eagle. Four specimens.

One female (mounted) collected by L. S. B. Leakey at Karura Forest, Nairobi, Kenya, in September, 1941.

One male juvenile (mounted) collected by L. S. B. Leakey at Karura Forest, Nairobi, Kenya, in August, 1941.

One female collected by A. B. Percival at Chandler's Falls, Guaso Nyiro, Kenya, on 20/1/11. Wing 630 mm. (New locality record.)

One juvenile. No data. Wing 632 mm.

GENUS *Stephanoaëtus*.

(38) *Stephanoaëtus coronatus* (Linn.).

Crowned Hawk-eagle. Three specimens.

One male (mounted) collected at Dagoretti, near Nairobi, Kenya, on 26/10/11, by H. J. Allen Turner.

One male, juvenile, (mounted) collected by L. S. B. Leakey at Embu, Kenya, in April, 1941. (New locality record.)

One female, collected with two eggs, in September, 1936, on the Elgeyo Escarpment, Kenya. No collector's name. Wing 540 mm. (New locality record.)

GENUS *Lophaëtus*.

(39) *Lophaëtus occipitalis* (Daudin).

African Long-crested Hawk-eagle. Fourteen specimens.

One male (mounted) collected by H. J. Allen Turner at Nairobi, Kenya, in August, 1912.

One male collected by H. J. Allen Turner at Yala River, Kenya, on 5/10/15. Wing 370 mm.

One male collected by H. J. Allen Turner at Yala River, Kenya, on 16/10/15. Wing 365 mm. (New locality record.)

One male collected by H. Maingot at Nairobi, Kenya, in April, 1941. Wing 378 mm.

One male collected at Kikuyu, Kenya, by "Ishmael," in August, 1936. Wing 376 mm. (New locality record.)

One male collected by R. G. van Someren at Ngong, Kenya, in July, 1934. Wing 395 mm. (New locality record.)

One male collected by H. G. Hopkins at Limuru, Kenya, on 9/1/37. Wing 393 mm. (New locality record.)

One male collected at Equator Farm, Kenya, in July, 1923. No other data. Wing 378 mm. (New locality record.)

Two females collected at Equator Farm, Kenya, in July, 1925. No other data. Wings 373 mm. and 358 mm.

One female collected by H. J. Allen Turner at Yala River, Kenya, on 20/10/15. Wing 384 mm.

One female collected by H. J. Allen Turner at Yala River, Kenya, on 16/10/15. Wing 372 mm.

One female collected by S. A. Neave at Meru, Kenya, on 14/2/11. Wing 380 mm. (New locality record.)

One specimen. No data. Wing 375 mm.

Note.—Many of these specimens have a much smaller wing-measurement than that given by Jackson (390 mm.) and some are even smaller than the smallest South African specimen (wing 375 mm.). The Kenya lowest limit is 358 mm.

GENUS *Kaupifalco*.

(40) *Kaupifalco monogrammicus meridionalis* (Hartlaub).

Lizard Buzzard. Fourteen specimens.

One (mounted) male collected near Nairobi, Kenya. No other data.

One (mounted) female collected at Ikutha, Kenya, in January, 1942. (New locality record.)

Two males collected at Mesahubu, Kenya, on 18/3/31. No other data. Wings 220 mm. and 218 mm. (New locality record.)

One male collected by H. J. Allen Turner at Mombasa, Kenya, on 30/3/16. Wing 210 mm.

One male collected by A. M. Champion at Ikoo, Kitui, Kenya, on 6/1/38. Wing 200 mm. (New locality record.)

One female collected by H. J. Allen Turner at Sokoke, Kenya, on 1/7/32. Wing 220 mm. (New locality record.)

One female collected at Lenda, Kenya, on 22/3/31. No other data. Wing 220 mm. (New locality record.)

Two females collected at Lamu, Kenya, on 5/4/16, by H. J. Allen Turner. Wing 217 mm. and 210 mm.

One female collected at Bura, Tana River, Kenya, on 16/3/31. No other data. Wing 232 mm. (New locality record.)

One female collected at Ikoo, Kitui, Kenya, by A. M. Champion, on 6/1/38. Wing 180 mm.

One female collected at Jebir, Kenya, in July, 1922. No other data. Wing 232 mm. (New locality record.)

One unsexed specimen collected by G. R. van Someren at Nairobi, Kenya, on 20/7/38. Wing 212 mm.

GENUS *Circaëtus*.

(41) *Circaëtus cinereus* Vieillot.

Brown Harrier-eagle. Two specimens.

One unsexed specimen (mounted) collected by L. S. B. Leakey at Kanam, Kavirondo Gulf, Kenya, in 1932. (New locality record.)

One female collected at Gendia, Kendu Bay, Kenya, by D. G. MacInnes, on 7/6/32. Wing 525 mm. (New locality record.)

(42) *Circaëtus pectoralis* A. Smith.

Black-breasted Harrier-eagle. Four specimens.

One immature specimen (mounted) in brown plumage. Collected at Nairobi by H. J. Allen Turner. No other data.

One female collected at Zombe, Kitui, Kenya, by A. M. Champion on 12/1/38. Wing 523 mm. (New locality record.)

One female collected at Kanam, Kavirondo Gulf, Kenya, on 29/5/32, by L. S. B. Leakey. Wing 535 mm. (New locality record.)

One specimen collected at Nairobi, Kenya, in September, 1933. No other data. Wing 525 mm.

(43) *Circaëtus cinerescens* J. W. v. Müller.

Lesser Banded Harrier-eagle. No specimen.

GENUS *Butastur*.

(44) *Butastur rufipennis* (Sundevall).

Grasshopper Buzzard-eagle. Three specimens.

One male and one female collected by A. Loveridge at Dodoma, Tanganyika, on 22/12/18. Wings 305 mm. and 315 mm.

One specimen without data. Wing 305 mm.

GENUS *Terathopius*.

(45) *Terathopius ecaudatus* (Daudin).

Bateleur. Six specimens.

One specimen (mounted) collected at Nairobi. No other data.

One male collected at Lodwar, Lake Rudolf, Kenya, by D. G. MacInnes, on 7/6/34. Wing 510 mm.

One male collected by H. J. Allen Turner at Yala River, Kenya, on 10/10/15. Wing 540 mm. (New locality record.)

One male juvenile collected by H. J. Allen Turner at Thika, Kenya, in October, 1914. Wing 498 mm. (New locality record.)

One unsexed specimen collected by L. S. B. Leakey at Kanjera, Kavirondo Gulf, Kenya, in April, 1935. Wing 532 mm. (New locality record.)

One specimen without data. Wing 518 mm.

GENUS *Cuncuma*.

(46) *Cuncuma vocifer* (Daudin).

African Fish Eagle. Four specimens.

One male (mounted) collected by L. S. B. Leakey at Kanjera, Kavirondo Gulf, Kenya, on 28/12/41. (New locality record.)

One female collected by D. G. MacInnes at Seme, Kavirondo Gulf, Kenya, on 9/6/32. Wing 592 mm. (New locality record.)

One female collected by D. G. MacInnes at Kanjera, Kavirondo Gulf, Kenya, on 1/4/32. Wing 598 mm.

One female. No other data. Wing 595 mm.

GENUS *Gypohierax*.

(47) *Gypohierax angolensis* (Gmelin).

Vulturine Fish Eagle. No specimen.

GENUS *Gypaëtus*.

(48) *Gypaëtus barbatus meridionalis* Keyserl. and Blas.

African Lämmergeyer. No specimen.

GENUS *Buteo*.

(49) *Buteo buteo vulpinus* (Gloger).

Steppe Buzzard. Five specimens.

One male (mounted) collected by L. S. B. Leakey at Njoro, Kenya, in January, 1942.

One male collected by H. J. Allen Turner at Yala River, Kenya, on 10/10/15. Wing 368 mm.

One male collected by H. J. Allen Turner at Yala River, Kenya, on 14/10/15. Wing 358 mm.

One female collected by H. J. Allen Turner at Yala River, Kenya, on 10/10/15. Wing 346 mm.

One unsexed specimen collected at Gulu, Uganda, by H. G. Hopkins, on 13/6/36. Wing 370 mm. (New locality record.)

(50) *Buteo rufofuscus augur* Rüppell.

Augur Buzzard. Thirty-one specimens.

One male (mounted) (melanistic form) collected by L. S. B. Leakey at Kinangop, Kenya, while in act of mating with a normal type female, in July, 1941.

One female (mounted) collected by H. J. Allen Turner at Nairobi, in November, 1912.

One male collected by T. W. Chorley at Bukude, Kigezi, Uganda, on 12/7/40. Wing 392 mm. (New locality record.)

One male collected at Uplands, Kenya, on 28/3/22. No other data. Wing 405 mm. (New locality record.)

One male collected by H. G. Hopkins at Limuru, Kenya, on 2/1/37. Wing 398 mm. (New locality record.)

One male collected by E. H. Ward at Kinangop, Kenya, (8,300 feet), on 6/8/37. Wing 410 mm. (New locality record.)

Two males collected by R. G. van Someren at Ngong, Kenya, in July 1934. Wings 454 mm. and 430 mm. (New locality record.)

One male collected by C. Jolly at Nairobi, Kenya, on 12/7/15. Wing 412 mm.

One male collected by D. G. MacInnes at Kabete, Kenya, in April, 1939. Wing 396 mm. (New locality record.)

One male collected by L. S. B. Leakey at Kijabe, Kenya, on 19/6/41. Wing 420 mm.

One male collected by L. S. B. Leakey at Athi River, Kenya. No date. Wing 421 mm. (New locality record.)

One female collected by E. H. Ward at Kinangop, Kenya, on 3/6/38. Wing 440 mm.

One female collected by H. Maingot at Nairobi, Kenya, in December, 1940. Wing 441 mm.

One female collected by T. W. Chorley at Kigezi, Uganda, on 14/7/40. Wing 410 mm. (Melanistic form.)

One female collected by G. H. Hopkins at Limuru, Kenya, on 4/1/37. Wing 408 mm. (Melanistic form.)

One female collected by L. S. B. Leakey at Limuru, Kenya, on 28/6/41. Wing 462 mm.

One female collected at Debra Marcos, Abyssinia, by A. Buchanan. Wing 428 mm.

One unsexed specimen. No data. Wing 398 mm.

One unsexed specimen collected by "Ishmael" at Kikuyu, Kenya, in September, 1936. Wing 388 mm. (New locality record.)

One unsexed specimen collected at Elburgon, on 2/12/36. No other data. Wing 423 mm. (New locality record.)

One unsexed specimen collected by A. M. Champion at Elgon, Kenya. No date. Wing 408 mm.

One unsexed specimen collected by W. MacClennan Wilson at Kiambu, Kenya, on 26/5/15. Wing 458 mm. (New locality record.)

One unsexed specimen collected at Kiambu, Kenya, on 2/3/16. No other data. Wing 463 mm.

One unsexed specimen collected by G. H. Hopkins at Lake Bunyoni, Uganda, on 24/12/39. Wing 405 mm. (New locality record.)

One unsexed specimen collected by G. Bush at Naivasha, Kenya, on 17/7/15. Wing 393 mm.

Two unsexed specimens. No data. Wings 388 mm. and 414 mm.

One unsexed specimen, apparently a juvenile (melanistic form) collected by Major Carnegie at Lumbwa, Kenya, on 9/11/15. Wing 415 mm. (New locality record.)

One unsexed specimen, apparently a juvenile (melanistic form) collected by G. Bush at Naivasha, on 17/7/15. Wing 403 mm.

Note.—These last two specimens are not quite like the melanistic form of Augur Buzzard and may turn out to be something as yet unrecognised.

(51) *Buteo rufofuscus archeri* Sclater.

Archer's Buzzard. One specimen.

One male collected by G. MacArthur at Kinangop, Kenya, in February, 1940. Wing 385 mm.

Note.—This appears to be the first record of this bird in Kenya and the identification is provisional, as no adequate account of this buzzard is available in the Museum.

(52) *Buteo oreophilus* Hart. and Neum.

Mountain Buzzard. Six specimens.

One female (mounted) collected by L. S. B Leakey at Kijabe, (Magina, 7,500 feet), Kenya, in September, 1941. This bird had a ripe egg in the ovary. Three other pairs seen within a radius of four miles. (New locality record.)

One male collected by Sir Charles Belcher on the Kinangop, Kenya, (8,500 feet), on 1/10/40. Wing 345 mm. (New locality record.)

Two females collected by G. MacArthur on the Kinangop, Kenya, in February, 1940. Wings 354 mm. and 334 mm.

Two unsexed specimens collected on the Kinangop, Kenya, by Dr. C. J. Wilson, in September, 1941. Wings 322 mm. and 334 mm.

GENUS *Accipiter*.

(53) *Accipiter nisus nisus* (Linn.).

European Sparrow-hawk. One specimen.

One female ? collected by E. H. Ward at Kinangop, Kenya, on 4/12/28. Wing 233 mm. (The specimen is labelled female ? but it is highly likely that it is an immature male.) Apart from a single specimen seen, but not collected, by Sir Frederick Jackson, this is the first record of this species in East Africa. (New locality record. *)

(54) *Accipiter minullus tropicalis* Reichenow.

Little Sparrow-hawk. Three specimens.

One specimen (mounted). No data.

One male collected by H. J. Allen Turner at M'koi, Kenya, on 4/5/16. Wing 140 mm.

* There may be some unrecorded specimens in private collections.

One unsexed juvenile collected by D. O. Roberts at Ruiru, Kenya, on 2/11/14. Wing 138 mm. (New locality record.)

(55) *Accipiter minullus intermedius* Erlanger.
Abyssinian Little Sparrow-hawk. No specimen.

(56) *Accipiter ovampensis* Gurney.
Ovampo Sparrow-hawk. Two specimens.
One male collected by R. Meinertzhagen at Nairobi on 1/3/16. Wing 225 mm.
One female collected by A. Loveridge at Morogoro, Tanganyika, on 23/11/18. Wing 220 mm.

(57) *Accipiter rufiventris rufiventris* A. Smith.
Rufous-breasted Sparrow-hawk. One specimen.
One male collected by Master Roberts on the Kinangop, Kenya, on 14/12/40. Wing 195 mm. (New locality record.)
Note.—This bird has a smaller wing measurement than those recorded in the books available, but it appears to be of this species.

(58) *Accipiter melanoleucus melanoleucus* A. Smith.
Black Sparrow-hawk. Five specimens.
One male collected by Sir Charles Belcher on the Kinangop, Kenya, on 11/10/40. Wing 290 mm. (New locality record.)
One male collected by H. G. Hopkins at Toro, Uganda, on 24/3/40. Wing 283 mm. (New locality record.)
One male collected by H. J. Allen Turner at Yala River, Kenya, on 3/11/13. Wing 287 mm. (New locality record.)
One unsexed specimen. No data. Wing 280 mm.
One male in immature plumage collected by H. G. Hopkins on Aberdare Range, Kinangop, Kenya, on 11/5/38. Wing 288 mm.

(59) *Accipiter* (sp. indet.). Two specimens.
One male collected by G. H. E. Hopkins at Lake Bunyoni, Kigezi, Uganda, on 1/1/40. Wing 330 mm. Tail 282 mm. Total length about 572 mm.
One male collected by N. Subuga at Bukara, Kigezi, Uganda, on 18/7/40. Wing 330 mm. Tail 284 mm. Total length about 590 mm.

Note.—If these birds are really males they are much too large for immature *Accipiter melanoleucus* which they resemble superficially. Even if they are wrongly sexed and are females they still do not seem to be the latter species. The wing-length and also the total length are comparable with that of a female *A. melanoleucus*; but the tails are too long and the colouring is wrong.

It was at first thought that these birds represented the young of a western species of the genus *Urotriorchis*; but this view cannot be upheld if, as Bannerman says, even in the immature, the tail is always considerably longer than the wing. For the present, these birds must be regarded as a larger undetermined *Accipiter*.

GENUS *Astur*.

(60) *Astur badius sphenurus* (Rüppell).

Eritrean Shikra. Six specimens.

One male collected by A. Loveridge at Morogoro, Tanganyika, on 20/8/17. Wing 177 mm. (*Note*.—Much less red-brown than Kenya specimens.)

One male collected by A. M. Champion at Lodwar, Kenya, on 14/8/35. Wing 172 mm. (New locality record.)

One female collected by D. G. MacInnes at Lodwar, Kenya, on 10/4/34. Wing 197 mm.

One female collected by A. Loveridge at Dar es Salaam, Tanganyika, on 2/7/18. Wing 179 mm. (*Note*.—Much less red-brown than Kenya specimens.)

Two unsexed and apparently juvenile specimens collected by C. G. Ishmael at Kampala, Uganda, on 17/10/36 and 19/11/36. Wings 170 mm. and 168 mm. (New locality record.)

(61) *Astur tachiro tachiro* (Daud.).

South African Goshawk. Two specimens.

One female (mounted) collected by R. B. Woosman at Nairobi, Kenya, in 1912.

One female collected by G. Moreau at Amani, Tanganyika, on 3/7/37. Wing 255 mm.

Note.—The identification of these two birds as *Astur tachiro tachiro* and not *Astur tachiro sparsimfasciatus* is based on the fact that these two specimens are much more rufous below than either of the local sub-species.

(62) *Astur tachiro sparsimfasciatus* Reichenow.

East African Goshawk. Six specimens.

Three juveniles (mounted), collected in the Karura Forest, near Nairobi, Kenya. No other data.

One female collected by L. S. B. Leakey at Nairobi, Kenya, in September, 1941. Wing 241 mm.

One male collected by R. C. van Someren at Ngong, Kenya, in August, 1940. Wing 200 mm. (New locality record.)

One juvenile, probably female. No data. Wing 232 mm.

(63) *Astur tachiro nyanzae* Neum.

Nyanza Goshawk. Three specimens.
One male collected by G. MacArthur, near Nairobi, Kenya,
on April, 1939. Wing 215 mm.

One male collected by T. W. Chorley at Kigezi, Uganda,
on 6/7/40. Wing 205 mm.

One juvenile collected by R. C. van Someren at Ngong,
Kenya, on 3/3/40.

Note.—If this is a valid sub-species the characters which distinguish it from the sub-species *sparsimfasciatus* would appear to include the fact that these birds in adult plumage have a distinct white spot on the upper surface of the tail, as found in *A. tachiro tachiro* in South Africa and also reminiscent of that to be seen in the tail of *Accipiter ovampensis* but NOT affecting the quill as in that species. In juveniles the sub-species *nyanzae* differs from the sub-species *sparsimfasciatus* in having no spots on the under tail coverts and lower abdomen, both of which are white. Many authorities do not accept this as a valid sub-species; but merely as an example of individual variation. Much more material is needed to decide this point; but I am inclined to support the validity of the sub-species on the evidence before me.

GENUS *Melierax*.

(64) *Melierax metabates metabates* Heuglin.

White Nile Chanting Goshawk. Seven specimens.

One male collected by T. W. Chorley at Pagule Chua,
Uganda, on 3/1/37. Wing 320 mm. (New locality record.)

One male and one female (a pair) collected by Museum
collector at Kendu Bay, Kenya, on 25/12/41. Wings 310 mm.
and 319 mm. (New locality record.)

One female collected by L. S. B. Leakey at Oyugi's, Kendu,
Kenya, on 12/2/35. Wing 336 mm. (New locality record.)

One male and one female collected by G. H. Hopkins at
Laropi, West, Madi, Uganda, on 5/3/37. Wings 318 mm. and
336 mm. (New locality record.)

One specimen. No data. Wing 295 mm.

(65) *Melierax poliopterus* Cabanis.

East African Chanting Goshawk. ... Seven specimens.

One male (mounted) collected by L. S. B. Leakey at Mwala,
Ukamba, Kenya, on 17-5-41. (New locality record.)

One female (mounted) collected by L. S. B. Leakey at
Mua, near Machakos, Kenya, on 30/5/41.

One male collected by L. S. B. Leakey at Mua, near
Machakos, Kenya, on 16/5/41. Wing 298 mm.

One female collected by A. M. Champion at Mui, Kitui,
Kenya, on 4/1/38. Wing 320 mm. (New locality record.)

One specimen, unsexed, collected by J. H. Phipps. No other data. Wing 316 mm.

Two specimens collected by H. J. Allen Turner at Manda Island, Kenya, on 27/4/16. Not sexed. Wings 300 mm. and 312 mm. (New locality record.)

(66) *Melierax gabar* (Daudin).

Gabar Goshawk. Thirteen specimens.

Note.—In Jackson's account it is stated that "the under tail coverts are unbarred." In a proportion of the specimens described below the under tail coverts ARE barred, but not very heavily. It is possible that these represent a valid subspecies. Specimens which have barring on the under tail coverts are marked "(t.c.b.)."

One unsexed juvenile (mounted) collected at Nairobi. No data. (t.c.b.)

One male (mounted) collected by Museum collector at Ukambani, Kenya.

One male collected at Morogoro, Tanganyika, by A. Loveridge, on 23/11/18. Wing 179 mm.

One male collected by M. P. Seth-Smith on 23/8/13, at Ruiru, Kenya. Wing 177 mm. (t.c.b.) (New locality record.)

One male collected by A. M. Champion at Lodwar, Kenya, on 22/2/33. Wing 170 mm. (t.c.b.)

One male collected by D. G. MacInnes at Komagin River, Kenya, on 7/3/34. Wing 170 mm. (t.c.b.) (New locality record.)

One male collected by D. G. MacInnes at Gendia, Kendu Bay, Kenya, on 1/5/32. Wing 169 mm. (New locality record.)

One female collected by L. S. B. Leakey at Gendia, Kendu Bay, Kenya, on 1/5/32. Wing 193 mm.

One female collected by D. G. MacInnes at Lopi River, Kenya, on 18/2/34. Wing 190 mm. (t.c.b.) (New locality record.)

One female from Mui, Kitui, Kenya, collected by A. M. Champion on 1/1/38. Wing 189 mm. (t.c.b.) (New locality record.)

One male juvenile collected by A. M. Champion at Kapenguria, Kenya, on 14/8/34. Wing 170 mm. (New locality record.)

One male juvenile collected by A. M. Champion at Chambezi, Northern Rhodesia, on 12/6/34. Wing 153 mm.

One male (melanistic form) collected by A. F. Francklin at Ruiru, Kenya, on 9/11/13. Wing 170 mm.

Note.—The juvenile from Chambezi is unusually small.

GENUS *Circus*.

(67) *Circus pyargus* (Linn.).

Montagu's Harrier. One specimen.
One female collected by H. G. Hopkins at Masaka, Uganda,
on 21/12/37. Wing 368 mm. (New locality record.)

(68) *Circus macrourus* (S. G. Gmelin).

Pallid Harrier. Seven specimens.
One male (mounted) collected by A. J. Wiley at Ruiru,
Kenya, in December, 1941. (New locality record.)
One female (mounted) collected by L. S. B. Leakey at
Naivasha, in March, 1941.
One female. No data. Wing 360 mm.
One female. No data. Wing 358 mm.
One juvenile male (brown plumage) collected by A.
Loveridge at West Kenia, Kenya, on 23/11/15. Wing 330 mm.
(New locality record.)
One juvenile female collected by L. S. B. Leakey at Embu,
Kenya, on 25/1/41. Wing 340 mm. (New locality record.)
One juvenile female collected by L. S. B. Leakey at
Kanjera, Kendu Bay, Kenya, on 16/3/32. Wing 340 mm. (New
locality record.)

(69) *Circus aeruginosus aeruginosus* (Linn.).

European Marsh Harrier. Two specimens.
One male (mounted) collected by L. S. B. Leakey at
Kanjera, Kendu Bay, Kenya, in January, 1935. (New locality
record.)
One female (mounted) collected by D. G. MacInnes at
Limuru, Kenya, in February, 1941. (Note.—Both have the heads
creamy white as is typical in immature birds.) (New locality
record.)

(70) *Circus aeruginosus aequatorialis* Stresemann.

Central African Marsh Harrier. Two specimens.
One male (mounted) collected by L. S. B. Leakey, near
Fort Hall, Kenya, in July, 1941. (New locality record.)
One female collected by Sir Charles Belcher on the
Kinangop, in July, 1941. (New locality record.)

(71) *Circus maurus* (Temminck).

South African Black Harrier. Two specimens.
One male collected by T. W. Chorley at Mbuya, Uganda,
on 30/3/37. Wing 332 mm.
One unsexed specimen collected by G. H. Hopkins at
Masaka, Uganda, on 21/12/37. Wing 340 mm.

Note.—These appear to be the first records of the South
African black harrier from East Africa, and are, therefore, of

special interest. These Uganda birds are not quite identical with the description given in Shelly and Sclater, Vol. 3, but they stand nearer to *Circus maurus* than to any other harrier. They will probably prove to be a local East African sub-species.

GENUS *Gymnogenys*.

(72) *Gymnogenys typicus typicus* (A. Smith).

Banded Gymnogene

or Bare-faced Hawk. Seven specimens.

One male (mounted). No data.

One female collected by Museum collector at Chyulu Hills, Kenya, on 12/7/38. Wing 460 mm.

One unsexed specimen collected by A. Black at Ruaraka, Kenya, on 1/6/36. Wing 430 mm. (New locality record.)

One specimen without data. Wing 468 mm.

One juvenile female collected by Miss C. E. Bennet, Kabete, Kenya, on 17/8/39. Wing 432 mm. (New locality record.)

Two juvenile specimens collected at Equator Farm, Kenya, in July, 1925. No other data. Wings 454 mm. and 438 mm. (New locality record.)

GENUS *Pandion*.

(73) *Pandion haliaëtus haliaëtus* (Linn.).

Osprey. One specimen.

Specimen (mounted) collected by L. S. B. Leakey in 1935, at Kanjera, Kendu Bay, Kenya.

CORRIGENDUM.

On page 200 of Volume 16, the family name *LYMAN-TRIIDAE* should appear above the species *Psalis pennatula* F. *Chilena donaldsoni* Holl. belongs to the previous family *LASIOCAMPIDAE*.