

A CHECKLIST OF THE BATS (CHIROPTERA) OF KENYA COLONY

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INTRODUCTION

The known Chiroptera of Kenya comprise seventy-five named forms at the time of writing. There is at present no comprehensive work of reference to which the interested zoologist may turn to find an account of the available material and the literature dealing with this large and still growing assemblage of bats. The purpose intended in preparing this check list has been to provide such a basis for further work on the Chiroptera of Kenya, rather than to provide a final answer, which certainly cannot yet be given, to the many systematic difficulties still involved in the taxonomy of African Bats. Where special difficulties are likely to be encountered, notes have been appended explaining these difficulties and giving sometimes an opinion regarding their possible solution and lines for future research. It is hoped that this list will provide as a first step a working guide to the status of the species known to exist in the area and to the literature about them. A key to their identification, suitably illustrated, will form a natural addition to the present groundwork.

The list has been based on material in the British Museum of Natural History, the Coryndon Museum in Nairobi and the author's personal collection as well as on the published literature. It cannot be hoped that all records will have been included, especially of the commoner species, but it is hoped that a fairly complete picture of their distribution so far as it is known will have emerged. The source of each locality record, either the collection in which the specimen is to be found, or a number referring to the publication in question as listed in the bibliography, will be found in brackets after the locality name. (Abbreviations employed are as follows—B.M.C.=British Museum Collection, C.M.C.=Coryndon Museum Collection, H.C.=Harrison Collection). It is regretted that considerations of space have not allowed full details of the collector of each specimen to be given with each record. Locality names have been checked so far as possible against the Ordnance Survey Map of the Colony. A full synonymy of all the named forms has not been included.

The author is especially indebted to Mr. J. D. L. Fleetwood and Mr. J. G. Williams of the Coryndon Museum for all their efforts in stimulating interest in the collection of new material, which has added so much to our knowledge of the local bat fauna in recent years. Mr. Fleetwood has also given invaluable help with details of the material in the Coryndon Museum. I would like to express my thanks also to the following, who have kindly provided specimens or information, which have been invaluable to this work—P. Bally, B. M. N. Brown, Mrs. P. Bowles, D. Brown, P. W. Barnley, Mrs. C. F. Christopher, A. Cole, J. L. Cruickshank, Mrs. M. Ellis, R. J. Evans, V. Fay, M. Fennessy, J. Fowler, J. Gosham, J. B. Hacker, C. Hagner, J. Hill, B. Hopkins, Col. R. A. F. Hurt, C. J. P. Ionides, Dr. J. Leakey, Mr. Lumsden, C. Moore, I. Parker, R. Peake, Miss J. E. Proctor, Mrs. D. Powles, A. H. Randall, K. Rawlins, D. Sheldrake, A. Start, J. Start, Lt. Col. H. F. Stoneham, Mrs. Tweedie, M. E. H. Vickers and J. D. Vinson. I am much indebted also to the staff of the Mammal Section of the British Museum of Natural History for their kind co-operation, to Dr. J. Dorst of the Paris Museum for his assistance and to Dr. V. Aellen of Geneva Museum for his assistance. Dr. E. Kulzer of the Zoophysiolgisches Institute at Tubingen has kindly allowed me to examine some material in his care.

The surprising number of species added to the Kenya list in recent years and indeed the altogether new forms still being discovered as well as the very scanty knowledge of many others all point to the pressing need for further research and collecting. It is hoped that this list will provide a stimulus to that end and at the same time form a compact synthesis of our present factual knowledge.

The localities referred to in this checklist can be found by reference to the Atlas of Kenya (1959), Map 2, Physical and General, and to the Provincial Maps Nos. 4 to 9.

CHECKLIST

Family PTEROPODIDAE. Fruit-eating Bats.

Genus EIDOLON Rafinesque.

EIDOLON HELVUM (Kerr) 1792. Straw-coloured Fruit Bat.

Vesp (ertilio) Vampyrus helvus Kerr, *Anim. Kingd. Linn.*, p. 91. Senegal, W. Africa (designated by Andersen, *Ann. Mag. Nat. Hist.* 19, 504. 1907).

Records.—Kavirondo (7) (6); Kaimosi (C.M.C.); Sabatia (C.M.C.); Cherangani (Stoneham Mus. Coll.).

Genus ROUSETTUS Gray.

Subgenus ROUSETTUS Gray.

ROUSETTUS AEGYPTIACUS LEACHI (A. Smith) 1829, **Egyptian Fruit Bat, Cape Rousette Bat.**
Pteropus leachi A. Smith, *Zool. J.* 4.433. Gardens about Cape Town, Cape Prov., S. Africa.
 Records.—Mt. Elgon (B.M.C., H.C.); Shimoni (B.M.C.) (18); Chyulu Hills (C.M.C.).

Subgenus LISSONYCTERIS Andersen.

ROUSETTUS (LISSONYCTERIS) ANGOLENSIS (Bocage) 1898.
Cynonycteris angolensis Bocage, *J. Sci. Math. Phys. Nat.*, Lisboa 5: 133, 138. Pungo Andongo, Angola.
 Records.—S. E. Slopes of Mt. Elgon (H.C.); Lirandha Hill, Kakamega (H.C.); Karura Forest, Nairobi (C.M.C., H.C.); Kakamega (C.M.C.).

Subgenus STENONYCTERIS Andersen.

ROUSETTUS (STENONYCTERIS) LANOSUS KEMPI Thomas 1909.
Rousettus kempi Thomas, *Ann. Mag. Nat. Hist.* 4: 543. Twere (Kirui's), 6,000 ft., S. slopes of Mt. Elgon, North Kavirondo Dist., Kenya.
 Records.—Kiega Hill, Meru Dist. (H.C.); Kiambu, Nr. Nairobi (B.M.C.).

Genus EPOMOPHORUS Bennett. **Epauletted Fruit Bats.**

EPOMOPHORUS WAHLBERGI WAHLBERGI (Sundevall) 1846.
Pteropus wahlbergi Sundevall Ofvers Vetensk, *Akad. Forh.*, Stockh. 3: 118. Near Durban and in the interior of Natal.
 Records.—Smara, Mt. Kenya (3); Fort Hall, Mt. Kenya (3); Nyeri* (H.C.); Namanga (B.M.C.); E. Trans-Nzoia, Cherangani Hills (B.M.C.); Tinderet Forest, Songhor, Molo (H.C.); Kakamega* (H.C.); Lamu (2).

*These specimens seem to be intermediate between the two forms.

EPOMOPHORUS WAHLBERGI HALDEMANI (Halowell) 1846.
Pteropus haldemani Halowell, *Proc. Akad. Nat. Sci. Philad.* 3: 52. West Africa, possibly Liberia.
 Records.—Taita Hills (16); Kitui (3); Malindi (3); Mombasa (3); Takaungu (3); Meru Rr. (1); Namanga (H.C.); Vasco de Gama Pt., Malindi (H.C.); Chyulu Hills (C.M.C.); Nairobi (C.M.C.); Elgon Caves (C.M.C.); Kabete (C.M.C.); Yala Rr. (C.M.C.); Karura Forest, Nairobi (C.M.C.); Kericho (C.M.C.); Donyo Sobuk (C.M.C.); Garabani (C.M.C.); Athi Rr. (C.M.C.).

EPOMOPHORUS ANURUS Heuglin 1864.
Epomophorus anurus Heuglin, *Nova Acta. Acad. Caes. Leop. Carol.* 31 (7) 12. Bongo, Bahr el Ghazal, Anglo-Egyptian Sudan.
 Records.—Turquel (3); Kirui, Mt. Elgon (3); Mumias, Mt. Elgon (B.M.C.).

EPOMOPHORUS LABIATUS MINOR Dobson 1879.
Epomophorus minor Dobson, *P.Z.S. London* 1879: 715. Zanzibar Island.
 Records.—S. Guaso Nyiro (B.M.C.); Kaimosi (2); Ngenyi, Samburu Dist. (C.M.C.); Nairobi (C.M.C.); Patta Island (C.M.C.); Nyeri (C.M.C.).

Genus MICROPTEROPUS Matschie. **Dwarf Epauletted Fruit Bats.**

MICROPTEROPUS PUSILLUS (Peters) 1867.
Epomophorus pusillus Peters, *Mber. preuss Akad. Wiss., Berlin.* 1867: 870. New name for *Epomophorus schoensis* Tomes, preoccupied, (*P.Z.S. London* 1860: 56), Gambia, West Africa.
 Records.—S. Kavirondo (7); Meru Rr. (1).

Genus HYPSIGNATHUS H. Allen. **Hammer-headed Bats.**

HYPSIGNATHUS MONSTROSUS H. Allen 1861.
Hypsignathus monstrosus H. Allen, *Proc. Acad. Nat. Sci. Philadelphia* p. 157. 1861: "West Africa" = Gaboon.
 Records.—Shikusa, Kakamega (C.M.C.).

Family EMBALLONURIDAE. **Sheath-tailed Bats.**

Genus COLEURA Peters.

COLEURA AFRA (Peters) 1852. **Split-nosed Bat.**
Emballonura afra Peters, *Reise nach Mossamb., Saugeth.* p. 51. Tete, S. Bank of Zambesi Rr., Boroma Dist., Portuguese East Africa.
 Records.—Voi (16); Diani Mosque, S. of Mombasa, (H.C.); Ngombeni, 11 Kms S. of Mombasa (18).

Genus TAPHOZOUS Oken.

Subgenus TAPHOZOUS Oken.

TAPHOZOUS MAURITIANUS MAURITIANUS E. Geoffroy 1818.

Taphozous mauritianus E. Geoffroy, *Desc. de l'Egypte* 2: 127. Mauritius.

Records.—Kisumu (16); Nairobi (H.C.), (C.M.C.); Bulessa (4); Mombasa (B.M.C.); Takaungu, Mombasa (B.M.C.); Aruba Lodge, Tsavo National Park, Voi (H.C.).

TAPHOZOUS HILDEGARDEAE Thomas 1909.

Taphozous hildegardeae Thomas, *Ann. Mag. Nat. Hist.* (8) 4: 98. Rabai, Mombasa Dist. Kenya.

Records.—Shimoni, S. Kenya Coast (H.C.), (B.M.C.); Ngombeni, 11 Kms. S. of Mombasa (2); Chandler Falls (C.M.C.); Massabuku, Tana R. (C.M.C.).

TAPHOZOUS PERFORATUS HAEDINUS Thomas 1915.

Taphozous perforatus haedinus Thomas, *J. Bombay Nat. Hist. Soc.* 24: 62. Chandler Falls, N. Guaso Nyiro, Kenya.

Record.—Lamu Island (2).

Subgenus LIPONYCTERIS Thomas.

TAPHOZOUS (LIPONYCTERIS) NUDIVENTRIS NUDIVENTRIS Cretzschmar 1826.

Taphozous nudiventris Cretzschmar in *Ruppell's Atlas, Reise Nord-ost Afrika, Saugethiere*, p. 70; Giza, Egypt.

Records.—Lodwar (23), (B.M.C.); Kaitherin (23), (B.M.C.).

Family NYCTERIDAE. Hollow-faced Bats.

Genus NYCTERIS E. Geoffroy & G. Cuvier.

NYCTERIS NANA TRISTIS G. M. Allen & Lawrence 1936.

Nycteris nana tristis G. M. Allen & Lawrence, *Bull. Mus. Comp. Zool.*, 79: 47. Kaimosi, Kakamega Dist., Kenya.

Records.—Yala Rr., Kavirondo (B.M.C.); Kakamega (H.C.).

NYCTERIS ARGE Thomas 1903.

Nycteris arge Thomas, *Ann. Mag. Nat. Hist.* (7) 12: 633. Efulen, Cameroons.

Records.—Yala Rr., Kavirondo (16), (B.M.C.), (C.M.C.).

NYCTERIS HISPIDA AURITA (K. Andersen) 1912*.

Petalia aurita K. Andersen, *Ann. Mag. Nat. Hist.* (8) 10: 547. Kilifi, Kenya.

Records.—Nairobi (16) (C.M.C.); Tana Rr. (16); Marsabit Rd. (16); Ferguson's Gulf, Lake Rudolf (H.C.); Lodwar (23) (B.M.C.); Mumias, Elgon (B.M.C.); Machakos (B.M.C.); Mt. Elgon (10); Kaimosi (2); Ngatana (2); Shimba Hills (C.M.C.).

*Intermediation between the long-eared *N. aurita* and the short-eared *hispida* has been noted in S. Tanganyika and both long and short-eared individuals occur in Kenya. It seems unlikely that the two are specifically distinct and more material is required to determine whether the ear length is not merely a matter of individual variation.

NYCTERIS REVOILII Robin 1881**.

Nycteris revoilii Robin, *Bull. Soc. Philom. Paris* (7) 5: 90. Somaliland.

Records.—Guaso Nyiro (1); Elgonyi (2); Kirui (2).

**Allen and Lawrence regard this as a form of *N. thebaica*.

NYCTERIS THEBAICA AURANTIACA (de Beaux) 1923*.

Petalia (Nycteris) thebaica aurantiaca de Beaux, *Atti. Soc. Ital. Sci. Nat. Milano* 62: 91. Archer's Post, N. Guaso Nyiro, Kenya.

Records.—Archer's Post, N. Guaso Nyiro (C.M.C.); Shimoni (H.C.); Nairobi (C.M.C.) (H.C.); Magadi (H.C.); Cherangani Hills, Rr. Kerio Suk (21); Loldyka Hills, Nr. Nanyuki (H.C.); Tanganyiko, Nr. Mombasa (B.M.C.); Machakos (B.M.C.); Kiambu, Nr. Nairobi (H.C.); Lake Naivasha (H.C.); Marsabit Mountains (H.C.); Athi Rr. (H.C.); Gilgil (H.C.); Mrima Hill (H.C.); Lake Elmenteita (C.M.C.) (H.C.); Voi (2)**; Elgon Caves (C.M.C.); Ol Kalou (C.M.C.); Langata Forest, Nairobi (C.M.C.).

*The brilliant orange colour phase of this species is distinctly rare and of sporadic occurrence. All but one specimen from Kenya seen by the author are of the normal brown phase. Unless study of large series reveals some other distinction from the typical form, the validity of this race therefore appears very doubtful.

**This specimen was recorded as *N. damarensis brockmani*, which is currently regarded as a form of *N. thebaica* and may be safely regarded as another instance of the great individual colour variability in the species.

NYCTERIS MACROTIS LUTEOLA Thomas 1901.

Nycteris aethiopica luteola Thomas, *Ann. Mag. Nat. Hist.* (7) 8: 30. Kitui, Kenya.

Records.—Mazeras (16); Mt. Kenya (B.M.C.); Mombasa (C.M.C.) (B.M.C.); Fort Hall (B.M.C.); Kilifi (H.C.); Lake Naivasha (C.M.C.); Kaimosi (C.M.C.); Diani (C.M.C.).

Family MEGADERMIDAE. **Big-eared Bats.**

Genus LAVIA Gray.

LAVIA FRONS REX Miller 1905*. **Yellow-winged Bat.**

Lavia rex Miller, *Proc. Biol. Soc. Washington*. 18: 227. Taveta, Taita Dist., Kenya.

Records.—Nguriman Escarpment, W. of Lake Magadi (C.M.C.); Stony Athi (C.M.C.); Karamojo, Yala Rr. (C.M.C.); Narok (C.M.C.); Athi Station (16); Kisumu (16); Machakos Rd. (16); S. Guaso Nyiro (16); Telek Rr. (16); Sotik (16); Ulukenia Hills (16); Nanyuki (H.C.); Narrosurra Rr. (17); Rr. Kerio Suk (21); Lopi Rr. (23); Lamu Coast (B.M.C.); Fort Hall (B.M.C.); Amala Rr. (B.M.C.); Lorian Swamp (B.M.C.); Mumias, Elgon (B.M.C.); Nairobi (H.C.); Kindu Bay, Kisumu (C.M.C.) (10); Archer's Post (4); Bulesa (4); Kaimosi (2); Kitau, Manda Island (2); Mkonumbi (2); Golbanti (2); Golbanti (2); Garabani (C.M.C.); Kanjira (C.M.C.); Ologressailie (C.M.C.); Isiolo, N.F.P. (C.M.C.); Cherangani, Kitale, (C.M.C.).

*Series of specimens from several localities in Kenya have skull measurements ranging from the size given by Hollister (16), for *Lavia frons rex* to those given for *Lavia frons affinis*. The validity of these races would therefore appear to require further assessment.

Genus CARDIODERMA Peters.

CARDIODERMA COR Peters 1872. **Heart-nosed Big-eared Bat.**

Megaderma cor Peters, *Mber. preuss. Akad. Wiss. Berlin*. 1872: 194.

Records.—Archer's Post (16); Magadi (C.M.C.) (H.C.); Tharaka, Meru Dist. (H.C.); Tsavo Park (H.C.); Lodwar (23); Mombasa (B.M.C.); Voi (B.M.C.); Ndara Hills, Voi (B.M.C.); Eusso Nyiro (C.M.C.) (B.M.C.); Chandler Falls (B.M.C.) (C.M.C.); Tiwi, 24 Kms. S. of Mombasa (18); Ukazzi (H.C.); Lamu Island (2); Garba Tula (C.M.C.); Yatta Escarpment, Voi (C.M.C.); Loruqumo, Turkana (C.M.C.); Ologressailie (C.M.C.); Habaswein (C.M.C.).

Family RHINOLOPHIDAE.

Genus RHINOLOPHUS Lacépède. **Horseshoe Bats.**

RHINOLOPHUS FERRUM-EQUINUM KENIENSIS Hollister 1916.

Rhinolophus keniensis Hollister, *Smithsonian Misc. Coll.* 66 No. 1, p. 2. Mt. Kenya, Kenya Colony, 7,000 ft.

Records.—Mt. Elgon (C.M.C.) (H.C.); Londiani (H.C.); Limuru, Nairobi (H.C.); Endebess, Kitale (H.C.); Kaptagat (H.C.); Cherangani Hills (21); Molo (H.C.); Elmenteita (H.C.); Bukwa, Mt. Elgon (B.M.C.); Tanganyiko, Nr. Mombasa (B.M.C.); Rongai Valley (20); N. Larogie (C.M.C.); Elburgon (C.M.C.); Gura Rr. (C.M.C.); Kericho (C.M.C.).

RHINOLOPHUS LANDERI LOBATUS Peters 1852.

Rhinolophus lobatus Peters, *Reise nach Mossamb., Saugeth.*, p. 41. Sena, S. Bank of Zambesi Rr., Sena Dist., Portuguese East Africa.

Records.—Lake Naivasha, (16) (H.C.); Kijabe Station (16); Nairobi (C.M.C.) (H.C.); Malindi (19); Taveta (B.M.C.); Voi (C.M.C.) (B.M.C.); Shimoni (18); Langata Forest, Nairobi (H.C.); Marsabit (H.C.); Elgon Caves (C.M.C.); Kapenguria (C.M.C.).

RHINOLOPHUS DECKENII Peters 1867.

Rhinolophus deckenii Peters, *Mber. preuss. Akad. Wiss. Berlin*. 1867: 705. Coast of East Africa, probably opposite Zanzibar Island.

Records.—Tanganyiko, Nr. Mombasa (25) (B.M.C.); Gebbi (B.M.C.); Shimoni (18)*.

*This specimen was recorded as *Rhinolophus geoffroyii zambesiensis*, but I have examined the specimen and consider that it is actually *R. deckenii*. The form of the noseleaf is similar in the two forms, but the hind foot and leg of *R. deckenii* are much larger than *zambesiensis* and *keniensis* and also the skull of *deckenii* is considerably larger. Confusion between the two species is thus easy unless these particular points are examined.

RHINOLOPHUS FUMIGATUS EXSUL K. Andersen 1905.

Rhinolophus fumigatus exsul K. Andersen, *Ann. Mag. Nat. Hist.* (7) 15: 74. Kitui, Kenya Colony.

Records.—Loldyka Hills, Nr. Nanyuki (H.C.); Taveta (B.M.C.); Shimoni (18); Marsabit Mountain (H.C.); Kirui (2).

RHINOLOPHUS HILDEBRANDTII HILDEBRANDTII Peters 1878.

Rhinolophus hildebrandtii Peters, *Monatsb. K. preuss. Akad. Wiss. Berlin* p. 195, 1878. Ndi, Taita, Kenya Colony.

Records.—Ulukenia Hills (16) (H.C.); Fort Hall (B.M.C.); Voi (2); Athi Rr. (C.M.C.); Ol Donyo Sobuk (C.M.C.).

RHINOLOPHUS HILDEBRANDTII ELOQUENS K. Andersen 1905.

Rhinolophus hildebrandtii eloquens K. Andersen, *Ann. Mag. Nat. Hist.* (7) 15: 74. Entebbe, Uganda.

Records.—Lake Naivasha (16); Nyuki Rr., N. Guaso Nyiro (16) (C.M.C.); S. Guaso Nyiro Rr. (16); Mt. Elgon (20) (H.C.); Londiani (H.C.); Thomson's Falls (H.C.); 25 miles N.W. of Kitale (H.C.); Elmenteita (H.C.); Kirui, Elgon (2) (B.M.C.); E. Trans Nzoia, Cherangani Hills (B.M.C.); Machakos (B.M.C.); Itrr. Rr., Cave, Kitale (H.C.); Elgonyi (2); Kinangop (C.M.C.); Mt. Mbololo, Voi (C.M.C.); Narok (C.M.C.); Diani (C.M.C.).

Family HIPPOSIDERIDAE. Leaf-nosed Bats.**Genus HIPPOSIDEROS Gray.****HIPPOSIDEROS CAFFER CENTRALIS Andersen 1906.**

(*Hipposideros*) *caffer centralis* Andersen, *Ann. Mag. Nat. Hist.* (7) 17: 275. Entebbe, N. shore of Lake Victoria, Uganda.

Records.—Kiambu (H.C.); Voi, Tsavo Park (C.M.C.) (H.C.); Londiani (H.C.); Molo (H.C.); Cherangani Hills (21); Archer's Post (16); Juja Farm (16); Kijabe (16); Nairobi (16); Nairobi Rr. (16); N. Guaso Nyiro (16); S. Guaso Nyiro (16); Machakos (B.M.C.); Kirui, Elgon (B.M.C.); Taveta (B.M.C.); Kitui (B.M.C.); Garbat Ullah N.F.D. (B.M.C.); Elgonyi, Elgon (B.M.C.); Kakamega (H.C.); Kilifi (H.C.); Takaungu (B.M.C.); Fort Hall (B.M.C.); Ngombeni, 11 Kms. S. of Mombasa (18); Langata Forest, Nairobi (H.C.); Shimoni (18) (C.M.C.); Sobukia (H.C.); Elgon Caves (C.M.C.); Ngong (C.M.C.); Nakuru (C.M.C.); Mau Summit (C.M.C.); Kabete (C.M.C.); Karen, Nairobi (C.M.C.).

HIPPOSIDEROS RUBER (Noack) 1893*.

Phyllorhina rubra Noack, *Zool. Jb. Syst.* 7: 586. Ngerengere Rr., Eastern Prov. Tanganyika.

Records.—Nairobi (16); Kirui (2); Elgonyi (2).

*The question of the bats of the *H. caffer* group in Kenya, as in many parts of Africa, is a vexed one and the whole group requires revision. The author has examined personally a large number of specimens of this group from Kenya and there seems to be a considerable variation in skull size, with the larger specimens somewhat intermediate between the measurements given by Hollister (16) for *H. ruber* and those given for *H. caffer*. I am therefore unable to distinguish *H. ruber* as a specific entity on the evidence at present available but feel that the question of its existence should be left open pending a complete review of the group.

HIPPOSIDEROS COMMERSONI MARUNGENSIS (Noack) 1887.

Phyllorhina commersonii Peters var. *marungensis*, Noack, *Zool. Jb.* 2: 272. Mpala's in Marungu, West shore of Lake Tanganyika, Belgian Congo.

Records.—Malindi (19); Tana Rr. (26); Makueni, nr. Kitui (C.M.C.).

HIPPOSIDEROS MEGALOTIS (Heuglin) 1861.

Phyllorhina megalotis Heuglin, *Nova Acta Acad. Caes. Leop-Carol., Halle*, 29: No. 8. p. 4. Bogos Land, Eritrea.

Records.—Nakuru (15) (B.M.C.), (C.M.C.), (H.C.); Kinangop (15) (C.M.C.); Lake Elmenteita (H.C.).

HIPPOSIDEROS CYCLOPS (Temminck) 1853.

Phyllorhina cyclops Temminck, *Esquisses Zool. sur la cote de Guinée* p. 75. Boutry Rr., Gold Coast.

Records.—Yala Rr. (C.M.C.) (14); Kaimosi (C.M.C.).

Genus CLOEOTIS Thomas.**CLOEOTIS PERCIVALI PERCIVALI Thomas 1901.**

Cloeotis percivali Thomas, *Ann. Mag. Nat. Hist.* (7) 8: 28. Takaungu, north of Mombasa, Kenya Colony.

Records.—Known only from the Type Locality.

Genus TRIAENOPS Dobson.**TRIAENOPS AFER Peters 1877.**

Triaenops afer Peters, *Mber. preuss. Akad. Wiss. Berlin* 1876: 913. Mombasa, east coast of Kenya Colony.

Records.—Ngombeni, 11 Kms. S. of Mombasa (18). Shimoni B.M.C.).

Family MOLOSSIDAE. Free-tailed Bats.**Genus OTOMOPS Thomas****OTOMOPS MARTIENSSENI MARTIENSSENI (Matschie) 1897.**

Nyctinomus martiensseni Matschie, *Arch. Naturgesch.* 63 (1): 84. Magrotto Plantation S.E. Usambara Mts., west of Tanga, N.E. Tanganyika.

Records.—Kwale (C.M.C.); Nairobi (C.M.C.).

GENUS TADARIDA Rafinesque.

Subgenus TADARIDA Rafinesque.

TADARIDA AEGYPTIACA (E. Geoffroy) 1818.

Nyctinomus aegyptiacus E. Geoffroy, *Desc. de l'Egypte*, 2: 128. Egypt.
 Records.—Juja Farm (16); Mudanda, Tsavo (H.C.) (C.M.C.).

TADARIDA LOBATA (Thomas) 1891.

Nyctinomus lobatus Thomas, *Ann. Mag. Nat. Hist.* (6) 7: 303. Turquel, Suk, Kenya Colony.
 Records.—Known only from the Type Locality.

TADARIDA FULMINANS (Thomas) 1903.

Nyctinomus fulminans Thomas, *Ann. Mag. Nat. Hist.* (7) 12: 501. Fianarantsoa, eastern Betsileo, Madagascar.

Record.—Nairobi (13) (H.C.).

Subgenus CHAEREPHON Dobson.

TADARIDA (CHAEREPHON) PUMILA NAIVASHAE (Hollister) 1916.

Chaerephon pumilus naivashae Hollister, *Smithsonian Misc. Coll.*, 66: No. 1., p. 4. Naivasha Station, Kenya Colony.

Records.—Lake Naivasha (C.M.C.) (H.C.); Gilgil (H.C.); Taveta (5); Elmenteita (H.C.); Nakuru (H.C.); Eusso Nyiro (B.M.C.).

TADARIDA (CHAEREPHON) LIMBATA HINDEI (Thomas) 1904*.

Nyctinomus hindei Thomas, *Ann. Mag. Nat. Hist.* (7) 13: 210. Fort Hall, Kenya Colony.

Records.—Ruiru, Nairobi (C.M.C.) (H.C.); Voi (C.M.C.) (H.C.); Thika (H.C.); Malindi (H.C.); Mtoto Andei (1); Mombasa (1); Limuru (H.C.); Kiboko (18); Machakos (H.C.); Kilindini, nr. Mombasa (B.M.C.); Msambweni (H.C.); Rongai (H.C.); Witu (2); Tsavo (C.M.C.); Ngong (C.M.C.); Simba (C.M.C.); Kiambu (C.M.C.); Nairobi (C.M.C.); Langata, Nairobi (C.M.C.); Lamu (C.M.C.); Taru (C.M.C.); Athi Rr. (C.M.C.).

*It is possible that the light winged and dark winged small forms of *Chaerephon* belonging to the *limbata* and *pumila* groups will eventually prove to be conspecific. Certainly there is clear evidence of a size cline in the *limbata* group from Rhodesia northwards to Kenya in the extensive material which I have examined and hence I regard *hindei* as a large northern form of *limbata*. The fact that the Kenya race of the dark winged *pumila* is also larger than its southern representatives is significant. This group also requires a full review.

TADARIDA (CHAEREPHON) BIVITTATA (Heuglin) 1861.

Nyctinomus bivittatus Heuglin, *Nova Acta Acad. Caes. Leop.-Carol., Halle*, 29: No. 8., p. 4. Keren, Eritrea.

Records.—Ngong (C.M.C.); Yala Rr. (C.M.C.); Nairobi (C.M.C.); Kabete (C.M.C.); Makueni (C.M.C.); Mt. Elgon (C.M.C.).

Subgenus MOPS Lesson.

TADARIDA (MOPS) CONDYLURA (A. Smith) 1833.

Nyctinomus condylurus A. Smith, *South African Quart. J.* 1: 54. S. Africa, Port Natal.

Syn. *Nyctinomus angolensis* Peters, *J. Sci. Math. Phys. Nat. Lisboa* (1) 3: 124. Quenza Rr., Angola.

Records.—Malindi (H.C.); Ruanda (H.C.); Lake Naivasha (H.C.); Lamu (H.C.); Athi Rr. (H.C.); Taveta (B.M.C.); Kiboko (18); Bellazoni* (2); Ngatana* (2); Sukori, Thika (C.M.C.).

*These two specimens were recorded as *Mops (Allomops) osborni*. This form is currently regarded as a subspecies of *T. (M.) condylura* but the described subspecies are not at all well defined at present and I have preferred not to indicate any definite subspecific status for the rather few Kenya specimens at present available, having regard to the great individual variability in this species.

Genus PLATYMOPS Thomas

Subgenus PLATYMOPS Thomas

PLATYMOPS SETIGER (Peters) 1878.

M(ormopterus) setiger Peters, *Monatsb. K. preuss. Akad. Wiss. Berlin* 1881: p. 483. Taita, Kenya Colony.

Records.—Only known from the Type Locality.

PLATYMOPS BARBATOGULARIS PARKERI Harrison & Fleetwood 1960.

Platymops barbatogularis parkeri Harrison & Fleetwood, *Dur. Mus. Novit.* 5: Pt. 20., 269. Lualeni Borehole, Maktau, S. Kenya Colony.

Records.—Only known from the Type Locality.

Family RHINOPOMIDAE. Mouse-tailed Bats.

Genus RHINOPOMA Oken.

RHINOPOMA HARDWICKEI MACINNESI Hayman 1937.

Rhinopoma cystops macinnesi Hayman, *Ann. Mag. Nat. Hist.* (10) 19: 530. Bat Island, nr. Central Island, Lake Rudolf.

Records.—Only known from the Type Locality.

Family VESPERTILIONIDAE. Simple-nosed Bats.

Genus MYOTIS Kaup. Mouse-eared Bats.

MYOTIS BOCAGII HILDEGARDEAE Thomas 1904.

Myotis hildegardeae Thomas, *Ann. Mag. Nat. Hist.* (7) 13: 209. Fort Hall, Kenya Colony.

Records.—Yala Rr. (C.M.C.) (16); Nyama Nyango, Eusso Nyiro (B.M.C.); Archer's Post (4).

MYOTIS TRICOLOR (Temminck) 1832.

Vespertilio tricolor Temminck in Smuts, *Enum. Mamm. Capensium* p. 106. 1832: Monogr. de Mammalogie, 2: 207, 1835-41. Cape Town, Cape of Good Hope.

Records.—Nakuru (H.C.); 25 miles N.W. of Kitale (H.C.); Mt. Elgon (20)*; Tarasha Rr., Gilgil (C.M.C.).

*This specimen was recorded by Rode as *Myotis emarginatus* E. Geoffroy, but I have examined the specimen, which is in the Paris Museum, and there is no doubt that it is an example of *M. tricolor*.

MYOTIS WELWITSCHII (Gray) 1866.

Scotophilus welwitschii Gray, *P.Z.S. London* 1866: 211.

Records.—Endebess (12); Trans Nzoia Dist. (Stoneham Mus. Coll.).

Genus LAEPHOTIS Thomas

LAEPHOTIS WINTONI WINTONI Thomas 1901.

Laephotis wintoni Thomas, *Ann. Mag. Nat. Hist.* (7) 7: 460. Kitui, Kenya Colony.

Records.—Nyeri (H.C.).

Genus GLAUCONYCTERIS Dobson.

GLAUCONYCTERIS VARIEGATA PAPILIO Thomas 1905.

Glauconycteris papilio Thomas, *Ann. Mag. Nat. Hist.* (7) 15: 77. Entebbe, Uganda.

Records.—Garissa (H.C.).

GLAUCONYCTERIS ARGENTATUS (Dobson) 1875.

Chalinolobus argentatus Dobson, *P.Z.S. London* 1875: 385. Cameroon Mts., French Equatorial Africa.

Records.—Kiambu (H.C.); Nandi Forest (B.M.C.); Kikuyu (2) (C.M.C.); Nairobi (C.M.C.).

Genus EPTESICUS Rafinesque. Serotine Bats.

EPTESICUS RENDALLI (Thomas) 1880.

Vesperugo (Vesperus) rendalli Thomas, *Ann. Mag. Nat. Hist.* (6) 3: 362. Bathurst, Gambia.

Records.—Nyama Nyango, Eusso Nyiro (B.M.C.).

EPTESICUS LOVENI Granvik 1924.

Eptesicus (sic) loveni Granvik, *Acta Univ. Lund* (2) 21: No. 3 p. 12. Eastern slopes of Mt. Elgon, Kenya Colony, 8,000 feet.

Records.—Known only from the Type Locality.

EPTESICUS TENUIPINNIS TENUIPINNIS (Peters) 1872.

Vesperus tenuipinnis Peters, *Monats. K. Preuss. Akad. Wiss. Berlin* 1872: 263. Guinea.

Records.—Kisumu (H.C.).

EPTESICUS PHASMA G. M. Allen 1911.

Eptesicus phasma G. M. Allen, *Bull. Mus. Comp. Zool.*, 54: 327. Meru Rr., N. Guaso Nyiro, Kenya Colony.

Records.—Archer's Post (16); Lakiundu Rr. (16); Tana Rr. (16); Chandler's Falls (B.M.C.).

EPTESICUS CAPENSIS SOMALICUS (Thomas) 1901.

Vespertilio minutus somalicus Thomas, *Ann. Mag. Nat. Hist.* (7) 8: 32. Hargaisa, Somaliland.

Records.—Archer's Post (16); Marsabit Rd. (16); S. Guaso Nyiro (16); Guaso Nyiro (1) (C.M.C.); Parklands, Nairobi (C.M.C.); Ushingo (C.M.C.).

EPTESICUS GRANDIDIERI (Dobson) 1876.

Vesperugo (Vesperus) grandidieri Dobson, *Ann. Mag. Nat. Hist.* (4) 18: 500. Zanzibar.

Records.—S. Guaso Nyiro Rr. (1).

Genus SCOTOPHILUS Leach. **Brown Bats.**

SCOTOPHILUS NIGRITA COLIAS Thomas 1904.

Scotophilus nigrita colias Thomas, *Ann. Mag. Nat. Hist.* (7) 13: 207. Fort Hall, Kenya Colony.
 Records.—Archer's Post (16); Lakiundu Rr. (16); Merelle Rr., Marsabit Rd. (16); Nairobi (C.M.C.) (16); Lamu (H.C.); Mombasa (H.C.); Ruiru, Nairobi (H.C.); Kilifi (H.C.); Kabete, 7 Kms. N. of Nairobi (18); Eusso Nyiro (B.M.C.); 30 miles N.W. of Baringo (B.M.C.); Below Chandler's Falls (B.M.C.); Kikuyu (24); Ngong (C.M.C.); 30 miles east of Falls, Eusso Nyiro (C.M.C.); Kiambu (C.M.C.); Sekoke Forest (C.M.C.).

Genus NYCTICEIUS; Rafinesque.

Subgenus SCOTOECUS Thomas.

NYCTICEIUS (SCOTOECUS) HIRUNDO HINDEI (Thomas) 1901.

Scotoecus hindei Thomas, *Ann. Mag. Nat. Hist.* (7) 7: 264. Kitui, Kenya Colony, 1,150 meters.

Records.—Archer's Post (16); Lakiundu Rr. (16); N. Guaso Nyiro (16); Guaso Nyiro (1); Lorian (B.M.C.) (C.M.C.); Mara Rr. (C.M.C.); Kinaia, nr. Laitokitok (C.M.C.).

NYCTICEIUS (SCOTOECUS) ALBIGULA (Thomas) 1909.

Scotoecus albigula Thomas, *Ann. Mag. Nat. Hist.* (8) 4: 544. Kirui, Mt. Elgon, Kenya Colony, 6,000 feet.

Records.—Known only from the Type Locality.

NYCTICEIUS (SCOTOECUS) ARTINII (de Beaux) 1923.

Scotoecus artinii de Beaux, *Atti. Soc. Ital. Sci. Nat. Milano*, 62: 98. Archer's Post, N. Guaso Nyiro, Kenya Colony.

Records.—Known only from the Type Locality.

Subgenus SCOTEINUS Dobson.

NYCTICEIUS (SCOTEINUS) SCHLIEFFENII ALBIVENTER (Thomas & Wroughton).

Scoteinus schlieffeni albiventer Thomas & Wroughton, *P.Z.S. London*, 1908: p. 540. Naikhala, Upper Egypt.

Syn. Nycticeius africanus G. M. Allen, *Bull. Mus. Comp. Zool.* 54: 328. 1911. Meru Rr., N. Guaso Nyiro Rr., Kenya.

Records.—Archer's Post (16); Kara Rr. (16); Lakiundu Rr. (16); Mt. Lololokwi (16); Quoy, Marsabit Rd. (16); Lorian (B.M.C.); Lodwar (23); Rifi Valley, 30 miles N.W. of Baringo (B.M.C.); Mara Rr. (B.M.C.); Nyama Nyango, Eusso Nyiro (B.M.C.); Chandler's Falls (B.M.C.) (C.M.C.).

Genus PIPISTRELLUS Kaup.

PIPISTRELLUS HELIOS Heller 1912.

Pipistrellus helios Heller, *Smithsonian Misc. Coll.* 60: No. 12. p. 3. Merelle Water, 30 miles S. of Mt. Marsabit, Kenya Colony.

Records.—Archer's Post (16); Lakiundu Rr. (16); N. Guaso Nyiro (16) (C.M.C.); Ndoto (B.M.C.); Chandler's Falls (B.M.C.); Lodermoru Water (B.M.C.); Laisamis, Marsabit Rd. (B.M.C.); Nyama Nyango, Eusso Nyiro (B.M.C.); Lorian (B.M.C.).

PIPISTRELLUS KUHLLII FUSCATUS Thomas 1901.

Pipistrellus kuhllii fuscatus Thomas, *Ann. Mag. Nat. Hist.* (7) 8: 34. Naivasha, Kenya Colony.
 Records.—Eldoret (H.C.); Songhar, nr. Kisumu (H.C.); Molo (H.C.); Engare Narok Rr. (16); Kabalolot Hill (16); Sotik (16); Nairobi (16).

PIPISTRELLUS DESERTI Thomas 1902.

Pipistrellus deserti Thomas, *P.Z.S. London* 1902, 2: 4. Tripoli, Mursuk, Libya.

Records.—Meru Rr. (1); Bulessa (4).

PIPISTRELLUS AERO Heller 1912.

Pipistrellus aero Heller, *Smithsonian Misc. Coll.* 60: No. 12, p. 3. Mt. Gargues, Mathew's Range, Kenya Colony.

Records.—Ngong (C.M.C.).

PIPISTRELLUS NANUS NANUS (Peters) 1852.

Vespertilio nanus Peters, *Reise nach Mossambique, Saugethiere*, p. 63. Inhambane, Mozambique.

Records.—Yala Rr. (16) (C.M.C.); Fort Hall (B.M.C.) (H.C.); Kitale (H.C.); Cherangani Hills (21); Mumias, Elgon (B.M.C.); Kakamega, Elgon (B.M.C.); Nidji Hills, Voi (B.M.C.); Mazeras (B.M.C.); Eusso Nyiro (B.M.C.) (C.M.C.); Archer's Post (4); Bulessa (4); Kaimosi (2); Mt. Mbololo (2); Golbanti (2); Kakamega (H.C.); Marsabit Lake (C.M.C.).

PIPISTRELLUS RUPPELLI FUSCIPES Thomas 1913.

Pipistrellus fuscipes Thomas, *Ann. Mag. Nat. Hist.* (8) 11: 315. Sixty miles west of Entebbe, Uganda.

Record.—Naivasha (C.M.C.).

Subfamily MINIOPTERINAE. Long-fingered Bats.

Genus MINIOPTERUS Bonaparte.

MINIOPTERUS SCHREIBERSI ARENARIUS Heller 1912.

Miniopterus natalensis arenarius Heller, *Smithsonian Misc. Coll.* 60: No. 12, p. 2. Guaso Nyuki, Northern Guaso Nyiro, Kenya Colony.

Records.—Lake Naivasha (16); Ngare Nyuki (16); Ulukenia Hills (16); Endebess (H.C.); 25 miles N.W. of Kitale (H.C.); Elmenteita (H.C.); Daraja ya Mungu, Nyamindi Rr., 10 miles west of Embu (H.C.); Kirui, Elgon (B.M.C.); Devil's Cave, Kitale (H.C.); Elgon Caves (C.M.C.); Ngong (C.M.C.); Nairobi (C.M.C.); Kericho (C.M.C.).

MINIOPTERUS AFRICANUS Sanborn 1936*.

Miniopterus africanus Sanborn, *Zool. Ser. Field Mus. Nat. Hist.*, 20: 111. Sanford's Ranch, Mulo, Shoa Dist., north-west of Addis Ababa, Ethiopia.

Records.—Ulukenia Hills (22); Lirandha Hill, Kakamega (H.C.); Nakuru (H.C.); Elmenteita (H.C.).

*Two species of *Miniopterus*, which occur together in some localities, are easily distinguishable in Kenya material examined by the author and the larger is regarded as *M. africanus*. The very small *M. minor* also occurs in S. Kenya.

MINIOPTERUS MINOR MINOR Peters 1866.

Miniopterus minor Peters, *Monatsb. K. Preuss. Akad. Wiss. Berlin*, 1866: 885. Coast of Zanzibar.

Records.—Shimoni (9).

Subfamily KERIVOULINAE. Forest Bats.

Genus KERIVOULA Gray.

KERIVOULA HARRISONI HARRISONI Thomas 1900.

Kerivoula harrisoni Thomas, *P.Z.S. London*, 1900: 802. Walamo, between Lakes Zwai and Margherita, north-eastern Africa.

Records.—Kinangop, east of Naivasha (H.C.); Marsabit (H.C.); Nyeri (B.M.C.) Taveta; (B.M.C.); Ngong (C.M.C.); Koru (C.M.C.).

KERIVOULA CUPROSA Thomas 1912.

Kerivoula cuprosa Thomas, *Ann. Mag. Nat. Hist.* (8) 10: 41. Bitye, Ja Rr., Cameroons.

Records.—Fort Warwick (11) (H.C.).

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