

Forty-five pregnant females taken in the early spring had an average of 7.1 embryos each.

The average size of 62 litters, considered to be complete, was 5.4 young each.

The number of litters per female per year was found to be two, with possibly a few instances of three.

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436 Federal Building, Salt Lake City, Utah. Received April 7, 1949.

LOCALITY RECORDS OF AFRICAN MAMMALS

BY KEN STOTT, JR.

It is hoped that the following locality records of African mammals will contribute to a more comprehensive understanding of the distribution of the forms concerned as well as fulfill their primary obligation, that of supplying additional published occurrence records for reference purposes. The observations were made during the summer and early fall of 1948 at which time I visited Africa under the auspices of the Zoological Society of San Diego. This compilation was made at the suggestion of Dr. E. Schwarz of Washington, D. C., whom I met while in Africa. Dr. Schwarz, a member of the U. S. Navy Medical Science group, generously consented after our return to read this manuscript and holds himself responsible for the identifications and the nomenclature.

The problem of designating the geographical point or points at which each species was encountered is a difficult one. Since exact distances could not ordinarily be taken, it would seem best for the purposes of this list to select the nearest village in each case as the reference point. When considering the records of mammals along the Nile, the reader should keep in mind the fact that a phrase such as, "Terakeka, on east bank of White Nile," signifies that the animal in

question, not Terakeka, was observed on the east bank. Terakeka remains on the west bank.

ACCOUNTS OF SPECIES

CERCOPITHECIDAE

Cercopithecus aethiops aethiops (Linnaeus). Grivet.—Sudan: Jebelain, on east bank of White Nile; Geigar, on west bank of White Nile; Terakeka, on west bank of White Nile.

Cercopithecus aethiops centralis Neumann. Uganda: Rhino Camp, on west bank of Albert Nile.

Cercopithecus aethiops cynosuroides (Scopoli). Belgian Congo: Leopoldville II.

Cercopithecus aethiops johnstoni Pocock. East African vervet.—Kenya: Athi River, Nairobi National Park; Rumuruti. Tanganyika: Ngare Nanyuki.

Cercopithecus aethiops pygerythrus (F. Cuvier). Vervet.—Transvaal: White River; Kruger National Park (Pretoriuskop; Skukuza; Tshokwane; Pafuri).

Cercopithecus mitis kibonotensis Lönnberg. Tanganyika: Mto wa mbu (between Oldeani and Arusha).

Cercopithecus mitis kolbi Neumann. Kolb's monkey.—Kenya: Nyeri; Thomson's Falls.

Papio ursinus ursinus (Kerr). Chacma baboon.—Transvaal: Kruger National Park (Tshokwane; Satara; Pafuri); Hartebeestport Dam.

Papio anubis anubis (Fischer). Uganda: south of Nimule, Sudan, on east bank of Albert Nile; Rhino Camp, on east bank of Albert Nile.

Papio anubis neumanni Matschie. Anubis baboon.—Kenya: Rumuruti; Njorowa Gorge (Naivasha).

MUSTELIDAE

Mellivora capensis sagulata Hollister. Ratel.—Tanganyika: Ngare Nanyuki.

CANIDAE

Lycaon pictus pictus (Temminck). Hunting dog.—Transvaal: Kruger National Park (Skukuza).

Otocyon megalotis virgatus Miller. Bat-eared fox.—Kenya: Nairobi National Park; Wamba.

Lupulella mesomelas mesomelas (Schreber). Black-backed jackal.—Transvaal: Kruger National Park (Pretoriuskop; Skukuza).

Lupulella mesomelas mcmillani (Heller) (subspecific status doubtful). Kenya: Nakuru; Magadi; Wamba. Tanganyika: Ngare Nanyuki; Arusha.

VIVERRIDAE

Ichneumia albicauda ibeana (Thomas). White-tailed mongoose.—Kenya: Nairobi, Nyeri.

HYAENIDAE

Crocota crocuta crocuta (Erxleben). Spotted hyena.—Transvaal: Kruger National Park (Skukuza).

Crocota crocuta germinans (Matschie). Kenya: Nairobi National Park; Nyeri; Wamba.

FELIDAE

Acinonyx jubatus velox Heller. Cheetah.—Kenya: Nairobi National Park.

Felis caracal subsp. Caracal.—Kenya: Njorowa Gorge (Naivasha).

Panthera leo melanochaitus (Hamilton Smith). Cape lion.—Transvaal: Kruger National Park (Skukuza; Punda Maria; Dzundweni).

Panthera leo massaica (Neumann). Masai lion.—Kenya: Nairobi National Park.

Panthera pardus suahelica (Neumann). Leopard.—Kenya: Magadi Road at foot of southwestern slope of Ngong Hills.

PEDETIDAE

Pedetes cafer surdaster Thomas. Springhaas.—Kenya: Naivasha.

ELEPHANTIDAE

Loxodonta africana africana (Blumenbach). Bush elephant.—Kenya: Nyeri; Kisima Transvaal: Kruger National Park (Schingwedzi).

Loxodonta africana oxyotis (Matschie). Sudan elephant.—Sudan: Lake No; Ryer, on west bank of Bahr el Jebel; Adok, on east bank of Bahr el Jebel.

Loxodonta africana subsp. Uganda: Rhino Camp, on east bank of Albert Nile; Pakwach, on east bank of Albert Nile.

HIPPOTAMIDAE

Hippopotamus amphibius amphibius Linnaeus. Northern hippopotamus.—Sudan: first observed in the White Nile a few miles south of Kosti; became increasingly numerous as we moved up river; other Sudanese points at which hippos were observed: Geigar; Jebel Ahmed Aga; Shambe; Nimule. Uganda: Rhino Camp.

Hippopotamus amphibius capensis Desmoulins. Cape hippopotamus.—Transvaal: Kruger National Park (Sabi River near Skukuza; Olifants River; Letaba River).

Hippopotamus amphibius kiboko Heller. East African hippopotamus.—Kenya: Athi River, in Nairobi National Park.

SUIDAE

Hylochoerus meinertzhageni meinertzhageni Thomas. Giant forest hog.—Kenya; Nyeri.

Phacochoerus africanus massaicus Lönnberg. Kenya: Nyeri; Rumuruti.

Phacochoerus africanus sundevallii Lönnberg. Wart hog.—Transvaal: Kruger National Park (Leeupan, Tshokwane).

GIRAFFIDAE

Giraffa capensis capensis (Lesson). Cape giraffe.—Transvaal: Kruger National Park (Pretoriuskop; Skukuza).

Giraffa capensis tippelskirchi Matschie. Masai giraffe.—Kenya: Nairobi National Park; slopes of Ngong Hills; Naivasha. Tanganyika: plain at foot of northwestern slope of Kilimanjaro; Arusha; Mto wa mbu.

Giraffa camelopardalis reticulata de Winton. Reticulated giraffe.—Kenya: 15 miles north of Nanyuki; Isiolo; Archer's Post; Wamba; Maralal.

BOVIDAE

Alcelaphus buselaphus cokii Günther. Coke's hartebeest.—Kenya: Nairobi National Park; 20 miles north of Magadi; Naivasha. Tanganyika: Mto wa mbu; Ngorongoro.

Alcelaphus buselaphus jacksoni (Thomas). Jackson's hartebeest.—Uganda: Rhino Camp, on east bank of Albert Nile.

Alcelaphus buselaphus jacksoni x *coki*. Kenya hartebeest.—Kenya: north of Rumuruti.

Connochaetes taurinus taurinus (Burchell). Brindled wildebeest.—Transvaal: Kruger National Park (Pretoriuskop; Tshokwane).

Connochaetes taurinus albojubatus Thomas. White-bearded wildebeest.—Kenya: Nairobi National Park. Tanganyika: plain at foot of northwestern slope of Kilimanjaro.

Connochaetes taurinus hecki Neumann. Tanganyika: Mto wa mbu; Ngorongoro.

Damaliscus korrigum tiang (Heuglin). Tiang.—Sudan: Wath Wang, on east bank of White Nile; Kenisa, on west bank of Bahr el Jebel.

Damaliscus lunatus (Burchell). Sassyb.—Transvaal: Kruger National Park (Shingwedzi).

Damaliscus pygargus albifrons (Burchell). Blesbok.—Transvaal: Rietvlei Dam Sanctuary (near Pretoria).

Cephalophus natalensis natalensis A. Smith. Red duiker.—Transvaal: Kruger National Park (Pretoriuskop).

Sylvicapra grimmia grimmia (Linnaeus). Grey duiker.—Transvaal: Kruger National Park (Pretoriuskop; Punda Maria).

Sylvicapra grimmia hindei (Wroughton). East African crowned duiker.—Kenya: Naivasha. Tanganyika: Ngare Nairobi.

Oreotragus oreotragus schillingsi Neumann. Klipspringer.—Kenya: Gilgil; Njorowa Gorge (Naivasha).

Nesotragus moschatus akeleyi Heller. Suni.—Kenya: Nairobi.

Raphicerus campestris capricornis Thomas and Schwann. South African steinbok.—Transvaal: Kruger National Park (Pretoriuskop; Skukuza; Shingwedzi; Punda Maria).

Raphicerus campestris neumanni (Matschie). Neumann's steinbok.—Kenya: Magadi. Tanganyika: Arusha.

Rhynchotragus kirkii subsp. Long-snouted dik-dik.—Kenya: Wamba; Magadi.

Adenota kob leucotis (Lichtenstein and Peters). White-eared kob.—Sudan: Jebel Ahmed Aga, on east bank of White Nile; west of Tonga, on west bank of White Nile.

Adenota kob thomasi (P. L. Sclater). Uganda kob.—Uganda: Rhino Camp, on east bank of Albert Nile.

Adenota leche megaceros Fitzinger. Nile lechwe.—Sudan: East of Tonga, on west bank of White Nile (herd of approximately 200); west of Tonga, on both banks; south of Lake No, on east bank of Bahr el Jebel; Ryer, on east bank of Bahr el Jebel.

Kobus ellipsiprymnus ellipsiprymnus (Ogilby). Common waterbuck.—Transvaal: Kruger National Park (Skukuza; Letaba; Shingwedzi; Punda Maria).

Kobus defassa harnieri (Murie). Defassa waterbuck.—Sudan: Jebel Ahmed Aga, on east bank of White Nile; south of Lake No, on east bank of Bahr el Jebel; Adok, on both banks of Bahr el Jebel; Terakeka, on east bank of Bahr el Jebel.

Kobus defassa ugandae Neumann. Uganda: south of Rhino Camp, on east bank of Albert Nile.

Redunca redunca cottoni (W. Rothschild). Bohor reedbuck.—Sudan: Detwok (between Melut and Kodok), on west bank of White Nile.

Redunca arundinum arundinum (Boddaert). Reedbuck.—Transvaal: Kruger National Park (Satara).

Redunca fulvorufula chanleri (W. Rothschild). Chanler's mountain reedbuck.—Kenya: Njorowa Gorge (Naivasha).

Aepyceros melampus melampus (Lichtenstein). Impalla.—Transvaal: Kruger National Park (Pretoriuskop, Skukuza, Shingwedzi, Punda Maria).

Aepyceros melampus suara (Matschie). Kenya: Gilgil; Naivasha; Maralal; Nairobi National Park. Tanganyika: Ngare Nairobi; Ngare Nanyuki; plain at foot of northwestern slope of Kilimanjaro.

Antidorcas marsupialis marsupialis (Zimmermann). Springbok.—Transvaal: Rietvlei Dam Sanctuary (near Pretoria).

Gazella gazella thomsonii Günther. Thomson's gazelle.—Kenya: Nakuru; Naivasha; Maralal; Kisima; Nairobi National Park. Tanganyika: Mto wa mbu; Arusha; Ngare Nanyuki.

Gazella dorcas dorcas (Linnaeus). Dorcas gazelle.—Egypt: Abu Simbel, on west bank of Nile.

Gazella granti subsp. Grant's gazelle.—Kenya: Nakuru; Nairobi National Park; Wamba; Maralal; Magadi. Tanganyika: Mto wa mbu; Arusha; Ngare Nanyuki.

Litocranius walleri walleri (Brooke). Gerenuk.—Kenya: Magadi; Isiolo; Archer's Post; Wamba.

Hippotragus equinus equinus (Desmarest). Roan antelope.—Transvaal: Kruger National Park (Shingwedzi; Punda Maria).

Hippotragus niger niger (Harris). Sable antelope.—Transvaal: Kruger National Park (Pretoriuskop).

Oryx beisa beisa (Rüppell). Beisa oryx.—Kenya: Wamba.

Strepsiceros strepsiceros strepsiceros (Pallas). Greater kudu.—Transvaal: Kruger National Park (Pretoriuskop; Skukuza; Shingwedzi; Punda Maria; Pafuri).

Strepsiceros imberbis australis (Heller). Lesser kudu.—Tanganyika: Ngare Nairobi.

Tragelaphus angasii Gray. Nyala.—Transvaal: Kruger National Park (Punda Maria; Pafuri).

Tragelaphus scriptus delamerei Pocock. Lord Delamere's bushbuck.—Kenya: Nyeri.

Tragelaphus scriptus roulaleyni Thomas. Limpopo bushbuck.—Transvaal: Kruger National Park (Pretoriuskop).

Tragelaphus spekii spekii P. L. Sclater. Sitatunga.—Sudan: 5 kilometers east of Lake No, on west bank of White Nile.

Taurotragus oryx pattersonianus Lydekker. Patterson's eland.—Kenya: Nairobi National Park; southeastern slope of Ngong Hills.

Syncerus caffer caffer (Sparrman). Cape buffalo.—Transvaal: Kruger National Park (Dzundweni).

Syncerus caffer radcliffei (Thomas). East African buffalo.—Uganda: south of Rhino Camp, on east bank of Albert Nile; east bank of Albert Nile at outlet of Lake Albert. Kenya: Ngong Hills. Tanganyika: Mto wa mbu.

RHINOCEROTIDAE

Diceros bicornis (Linnaeus). Black rhinoceros.—Uganda: south of Rhino Camp, on east bank of Albert Nile. Kenya: Nyeri; Wamba. Tanganyika: plain at foot of northwestern slope of Kilimanjaro.

EQUIDAE

Dolichohippus grevyi (Oustalet). Grevy's zebra.—Kenya: Wamba.

Hippotigris quagga böhmi (Matschie). East African zebra.—Kenya: Nakuru; Naivasha; Wamba; Maralal; Nairobi National Park. Tanganyika: Ngorongoro; Mto wa mbu; Arusha; plain at foot of northwestern slope of Kilimanjaro.

Hippotigris quagga chapmani (Layard). Chapman's zebra.—Transvaal: Kruger National Park (Pretoriuskop; Shingwedzi; Punda Maria).

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