

BIBLIOGRAPHY OF QUATERNARY AFRICAN PALAEOLOGY

by

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The bibliography of Hopwood and Hollyfield 1954 listed the fruits of African palaeontological research over the 200 years up to the end of 1950. This work is very full and is the basic work in its field. Since it came out, however, only one partial revision has appeared: that of Savage 1956, which merely lists species without giving any references. The work of Hopwood and Hollyfield is now nearly 20 years old and badly needs a supplement. My aim in compiling this bibliography was to meet this need.

The emphasis in the present work has shifted slightly. Hopwood and Hollyfield had the comparative zoologist in mind: my work is aimed mainly at the palaeontologist and archaeologist, but is arranged so as to meet the needs of all three. The work is also somewhat altered in scope. The main emphasis is still on fossils but some material on past climates, river and marine terraces and other things of interest to the archaeologist are included. As far as possible only general works on these fields have been listed: the reference lists appended to these works are a key to further research.

Most of the references are to fossil mammals but a few works dealing with other classes and phyla are included where they have been considered relevant. There are a few references to living animals where such works would be of assistance in identifying species when found in a fossil context, or when they deal with an animal distribution pattern that is of past climatic significance. A few references to pollen analysis are included as, besides being of past climatic significance pollens do, in a sense, fall within the field of palaeontology.

Several works on bone artefacts are also listed. It might be felt that such references ought not to be included as they would tend to blur the distinction between palaeontology and archaeology. They have nevertheless been included as the majority are, in essence, illustrated accounts of bones as they were found in the fossil state. The references are hence of interest to the palaeontologist. In any case, whether such bones were tools or not is still a controversial matter. Agreement on subjects such as this can only be reached by exchanges of opinion and of research results: one of the aims of this work is to facilitate such exchanges.

Certain limits had to be set to the scope of the work. It has been limited to references dealing with the Quaternary period in Africa. References to hominid palaeontology have been largely avoided: if they had been included the size of the work would have been at least doubled. Only a few significant references to the hominid family are included and these are a key to further research in the field. The shortage of references to hominids is regretted but unavoidable. I hope to make good the deficiency by means of another specialized bibliography at a later date.

References that I have been unable to see are marked with an asterisk: where abstracts were available these are referred to as the source of my annotations. A few other references to abstracts and reviews are included where it was thought these might be of interest. The material has been arranged in an order which it was thought would be most helpful and cross-references have been provided where necessary. The compilation of this work has afforded me a great deal of pleasure and I hope that my colleagues find it of use.

ACKNOWLEDGMENTS

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ABBREVIATIONS

A number of abbreviations are used in this work. Some of them are standard, others are of my own invention. To avoid any confusion, abbreviations employed are listed below.

ABBREVIATIONS IN THE TEXT:

aff.	—which has affinity to
cf.	—which compares well with
gen.	—genus
gen. et sp. n.	—new genus and species
nom. nov.	—new name
sp. n.	—new species
sp.	—species (singular)
spp.	—species (plural)
ssp.	—subspecies (singular)
sspp.	—subspecies (plural)

ABBREVIATIONS OF GENUS AND SPECIES NAMES:

In the annotations species are listed in alphabetical order of genus and species, rather than in systematic order. The genus and species names are listed only once, after which they are represented by the initial only. Material assigned only

to genus is listed first in each case as eg. *Equus sp.*, followed by species belonging to that genus. The following is an example:

Hippopotamus sp., *H. amphibius*, *H. gorgops*, *Hippotragus equinus*, *H. niger*, *Hyaena brunnea*, *H. b. dispar*, *H. hyaena*.

In the above list, the *H.* stands for *Hippopotamus*, *Hippotragus* or *Hyaena* depending on the sequence in the list, and the *b.* stands for *brunnea* as it follows *Hyaena brunnea*.

ABBREVIATIONS OF PERIODICAL TITLES:

Periodical titles are abbreviated according to the practice of the *World List of Scientific Periodicals*. The following, however, are of my own invention:

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| <i>Foss. Mamm. Afr.</i> | British Museum (Natural History) Fossil Mammals of Africa series. London, the Trustees. No. 1, 1951—no. 17, 1959. Cont. in <i>Bull. Br. Mus. nat. Hist. (Geol.)</i> . |
| <i>Proc. 1st Pan Afr. Congr.</i> | Leakey, L. S. B. & Cole, S. eds. Proceedings of the Pan-African Congress on prehistory, 1947. Oxford, Blackwell, 1952. viii, 239p. |
| <i>Proc. 2nd Pan Afr. Congr.</i> | Balout, L. ed. Congrès panafricain de préhistoire, actes de la IIe session, Alger, 1952. Paris, Arts et métiers graphiques, 1955. 798p. |
| <i>Proc. 3rd Pan Afr. Congr.</i> | Clark, J. D. & Cole, S. eds. Third Pan-African Congress on prehistory, Livingstone, 1955. London, Chatto & Windus, 1957. xxix, 440p. |
| <i>Proc. 4th Pan Afr. Congr.</i> | <i>Annals Mus. r. Afr. cent. Ser 8° (Sci. Humaines)</i> . 40. 1962. Sects 1/2, viii, 373p. Sect. 3, 505p. |
| <i>Proc. 5th Pan Afr. Congr.</i> | <i>Publins Mus. Arqueol. Santa Cruz de Tenerife</i> . Annual, vol. 1, 1960—Compiler has only been able to see vol. 5, 1965 and vol. 6, 1966. |

LIST

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Goz Kerki and Koro Toro have yielded an early Villafranchian fauna of which the following are identified: *Alcelaphus sp.*, *Ceratotherium simum*, *Crocodylus sp.*, *Giraffa camelopardalis*, *Hippopotamus cf. protoamphibius*, *Hyaena cf. striata*, *Loxodonta africanus*, *L. recki*.
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 - 1964. The Pleistocene environment. In Davis, De Meillon etc. 1-23.
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INDEX

The index has been divided into three sections, i.e. into geographic, subject and systematic indexes. This should provide for the three approaches—how to find material on a site, on a subject or on a species. Cross-references have been provided where necessary.

In the geographic index, references are to fossil faunas unless otherwise stated. If the site one is looking for is not listed, it is advisable to look at works listed under larger areas, eg. the Vaal River or East Africa. The desired information may then be found. In both geographic and subject indexes the word "geology" is used as a synonym for stratigraphy as well as in its usual sense.

The systematic index very largely follows the classification adopted by Hopwood and Hollyfield 1954. Species are arranged alphabetically by genus and species names under the taxonomic groupings. Only species discussed at a fair length are mentioned in the annotations and listed in the index, so this index should not be regarded as exhaustive.

An attempt has been made to bring the generic and specific names into line with presently accepted taxonomic nomenclature. In some families, how-

ever, nomenclature is in a state of flux, particularly in the suinae. Cooke's revision of the suinae is looked forward to with keen anticipation and my arrangement of genera in this family is purely tentative in some respects.

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BONE PSEUDO-ARTEFACTS	Brain 1967a, b, Singer 1956a
CORRELATIONS	Arambourg 1951a, Boné & Singer 1965, Cooke 1963, Ewer 1963b, Flint 1959a, Hooijer 1958b, Lecomte 1965, Mason 1959
DATING (For dating of individual sites see sites list in the geographic index)	
general	De Heinzelin 1963
conchylin-lime ratio	Schoute-Vanneck 1960
faunistic	McBurney 1960, Oakley 1966
potassium-argon (K.A.)	Oakley 1958

- uranium-thorium Stearns & Thurber 1956
- EARLY MAN *see* Man, early
- ECOLOGY OF:
 - camels Charnot 1961
 - equids Boné & Singer 1965, Lundholm 1952
 - Transvaal cave fauna Boné 1960
- EVOLUTION:
 - bovid Wells 1956
 - equid Boné & Singer 1965
 - mammal Cooke 1968, Piveteau 1958, 1961
 - rates of Kurtén 1959
- FAUNA:
 - extinction Guilday 1967
 - extremes of size Leakey 1954, 1958a
 - Hipparion* fauna Arambourg 1952b
 - Neolithic Arambourg 1962, Ennouchi 1954, Higgs 1967b, c, Hall 1962
 - percentages Ewer 1956a
 - stratigraphic lists Barnard 1962, Clark 1967, Savage 1956
 - Villafranchian Abadie, Barbeau & Coppens 1959, Coppens 1962, 1963, Cornwall 1968, Howell 1959, Wells 1956
- FAUNAL FLUCTUATIONS Arambourg 1951b, Barnard 1962, Dart 1952, Oakley 1957a
- FAUNAL STAGES Clark 1967, Cooke 1957, Savage 1956, Wells 1962, 1965, 1967a
- FLORAS (previous) Arambourg 1952c
- GEOLOGY *see* under sites in sites index
- GRAPHIC diagrams of elephant teeth Cooke 1960, Meiring 1955
- MAN:
 - early Bishop & Posnansky 1960, Ewer 1963b, Howell 1960, Martyn & Tobias 1967, Oakley 1957b, Singer 1956b
 - evolution Chiarelli 1968, Ewer 1963b
 - hunting methods Anderson 1968, First 1964, Hooijer 1958a
 - australopithecinae Tobias 1968
 - dating Boné 1960, Ewer 1957b, 1963b, Kurtén 1957b, 1960, Oakley 1957a
 - food preference First 1964
 - Atlanthropus* Arambourg 1954a, b, 1956
 - Australopithecus* Isaac 1967
 - Paranthropus* Brain 1968, Ewer 1957b
 - Paraustralopithecus aethiopicus* Howell 1968
 - Tchadanthropus uxorus* Coppens 1967
 - Homo spp.* Howell 1959
 - Bushmen Louw 1960

- Broken Hill skull Clark 1959a, Oakley 1957b
 Florisbad skull Oakley 1957b
 Saldanha skull Oakley 1957b
- MIDDENS:
 relative dating method Schoute-Vanneck 1960
- MIGRATION OF MAMMALS:
 rates Kurtén 1957b
 routes Bate 1952
- NEOLITHIC:
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 cattle Hall 1962
- PAST CLIMATES (for information on a site, see geographic index)
 indicated by geology Bond & Summers 1951, Brain 1956, 1957
 indicated by fossil fauna Bond & Summers 1951, Charnot 1961,
 De Graaff 1958, Ewer 1956f, Higgs 1967b, c, Lavocat 1967
 indicated by living birds Moreau 1963a
 indicated by living mammals Booth 1954, 1959, Brain & Meester 1964,
 Charnot 1961, Meester 1965, Wells 1967b
 revision of ideas on Bishop 1960, Bishop & Posnansky 1960, Cooke 1957,
 1964, 1967, De Heinzelin 1963, Flint 1959a, b, Moreau 1963b
- RADIOCARBON DATES Deacon 1966, 1968
- RAISED BEACHES Cooke 1952b, Stearns & Thurber 1956
- RECONSTRUCTIONS of fossil animals Cooke 1952a, 1968, Leakey 1954, 1958a,
 Martin & Guilday 1967
- REVISIONS AND SURVEYS:
 antilopinae Gentry 1966
 alcelaphinae Hoffman 1953, Wells 1959c
 aves (living) Moreau 1963a
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 equidae Boné & Singer 1965, Singer & Boné 1966, Singer & Inskeep 1962,
 Wells 1959a
 felidae Toerien 1955
 giraffidae Singer & Boné 1960
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 hyracoidea (Transvaal) Churcher 1966
 Hystrix Corbett & James 1965
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soricidae	Meester 1955, 1958
TAXONOMIC NOMENCLATURE	Ewer 1967b
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Dates in bold type mark the first record of the animal in question

PHYLUM MOLLUSCA	Stearns & Thurber 1956
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<i>Donax</i>	Hoffman 1958
<i>Helix</i>	Gottis 1953
<i>Mytilus</i>	Hoffman 1958
<i>Mytilus perna</i> (dating method)	Schoute-Vanneck 1960
<i>Ostrea</i> spp.	Mabbutt 1957
PHYLUM ARTHROPODA: Class CRUSTACEA	
<i>Jasus lalandii</i>	Grindley 1967
PHYLUM CRANIATA: Class REPTILIA	
<i>Amyda</i> (<i>Trionyx</i>) sp.	Coppens 1962
<i>Crocodylus</i> sp.	Abadie, Barbeau & Coppens 1959, Coppens 1962
<i>Crocodylus niloticus</i>	Arambourg 1954b
tortoise	Arambourg 1952b, Hendey 1968
<i>Chelonia incertae sedis</i>	Hendey & Hendey 1968
Class AVES:	
living spp. as past climatic indicators	Moreau 1963a
<i>Struthio australis</i>	Hendey 1968, Hendey & Hendey 1968
Class MAMMALIA:	
(infraclass Eutheria)	Arambourg 1952b, c, 1963, Boné 1960, Cooke 1963, 1968, Coque 1957, Hopwood & Misonne 1959, Maggs & Speed 1967, Meester 1965, Piveteau 1958, 1961, Wells 1962.
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Family Chrysocloridae:	
<i>Chrysotricha hamiltoni</i> sp. n.	De Graaff 1958
Family Erinaceidae:	
<i>Erinaceus</i> sp.	Ennouchi 1954
Family Macrostelididae:	
<i>Elephantulus langi</i>	De Graaff 1960
Family Soricidae:	
<i>Crocodylus taungensis</i>	Meester 1955
<i>Myosorex</i> spp.	Meester 1958
<i>Myosorex robinsoni</i> sp. n.	Meester 1955

<i>Suncus</i> sp.	Meester 1955
Order CHIROPTERA	De Graaff 1960, 1961a
Order PRIMATES	Chiarelli 1968, Schultz 1963, Washburn 1963
family Cercopithecidae	Freedman 1957, 1960, 1961, Gear 1958
<i>Brachygnathopithecus peppercorni</i> gen. et sp. n.	Kitching 1952
<i>Cercopithecoides williamsi</i> (incl. <i>C. molleti</i>)	Dart 1962, Freedman 1960, 1961
<i>Dinopithecus ingens</i>	Antunes 1966, Freedman 1957
<i>Gorgonopithecus</i> (<i>Choeropithecus</i>) <i>darti</i>	Kitching 1953
<i>Gorgonopithecus major</i>	Freedman 1957, 1960
<i>Gorgonopithecus</i> (<i>Simopithecus</i>) <i>wellsi</i> sp. n.	Kitching 1953
<i>Papio ursinus</i>	Gear 1958
<i>Parapapio</i> sp.	Antunes 1966
<i>Parapapio angusticeps</i>	Freedman 1957, 1961
<i>Parapapio antiquus</i>	Freedman 1957, 1961, Gear 1958
<i>Parapapio broomi</i>	Dart 1952, Freedman 1957
<i>Parapapio coronatus</i>	Freedman 1957
<i>Parapapio izodi</i>	Freedman 1957, 1961
<i>Parapapio jonesi</i>	Freedman 1957
<i>Parapapio robinsoni</i>	Freedman 1957
<i>Parapapio wellsii</i> sp. n.	Freedman 1961
<i>Parapapio whitei</i>	Freedman 1957
<i>Simopithecus</i> (remarks on genus)	Freedman 1957, Leakey & Whitworth 1958
<i>Simopithecus</i> spp.	Leakey 1958a, Singer 1962
<i>Simopithecus danieli</i>	Freedman 1957
<i>Simopithecus darti</i>	Freedman 1957, 1960
<i>Simopithecus jonathani</i> sp. n.	Leakey & Whitworth 1958
<i>Simopithecus oswaldi</i>	Leakey & Whitworth 1958
(revised diagnosis)	Leakey 1965
Family Pongidae:	
<i>Limnopithecus</i> sp.	Bishop & Posnansky 1960
<i>Proconsul nyanzae</i>	Bishop & Posnansky 1960
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Order LAGOMORPHA:	
Family Leporidae:	
<i>Lepus</i> sp.	Ennouchi 1954
<i>Lepus veter</i> sp. n.	MacInnes 1953
<i>Serengetilagus praecapensis</i>	MacInnes 1953
Order RODENTIA	De Graaff 1961b, Zeuner & Bravo 1966
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Family Muridae:	
<i>Malacothrix makapani</i> sp. n.	De Graaff 1960
<i>Mus</i> sp.	Ennouchi 1954
<i>Nesokia indica</i>	Robinson 1966

Family Cricetidae:

- Microtus cyrenae* McBurney & Hey 1955
Myodomys sp. Lavocat 1956
Myodomys darti sp. n. Lavocat 1956
Family Hystricidae Greenwood 1955, 1958, Whitworth 1965
Hystrix (gnawing) Brain 1968, Hendey & Singer 1965, Singer 1956a
Hystrix (specific characteristics) Corbett & James 1965
Hystrix sp. Corbett & James, Ennouchi 1954
Hystrix africana-australis Corbett & James 1965, Greenwood 1955
Hystrix astasabae sp. n. Bate 1951
Hystrix cristata Corbett & James 1965
Hystrix galeata Corbett & James 1965
Hystrix hirsutirostris Corbett & James 1965
Hystrix indica Corbett & James 1965
Hystrix makapanensis sp. n. (formerly *H. major*) . . . Greenwood 1955, 1958
Hystrix stegmani Corbett & James 1965
Xenohystrix crassidens gen. et sp. n. Greenwood 1955

Family Bathyergidae:

- Bathyergus suillus* Hendey 1968, Hendey & Hendey 1968

Order CARNIVORA

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Family Canidae:

- Canis* sp. Ennouchi 1954, Hendey & Hendey 1968
Canis adustus Ewer 1956f
Canis anthus Ennouchi 1958b
Canis atrox Coque 1957, Ewer 1956b
Canis brevirostris sp. n. Ewer 1956b
Canis familiaris aegypticus Moustafa 1955
Canis mesomelas Ewer 1956c, Ewer & Singer 1956, Hendey 1968,
Hendey & Hendey 1968, Inskeep & Hendey 1966
Canis mesomelas pappos ssp. n. Ewer 1956b
Canis mesomelas latirostris Leakey 1965
Canis terblanchei Ewer 1956b
Lycaon picta Hendey & Hendey 1968
Lycaon picta magnus ssp. n. Ewer & Singer 1956
Otocyon recki Leakey 1965
Thos. sp. Coque 1967
Vulpes spp. Cooke 1952a, Ennouchi 1954, Ewer 1956f
Vulpes pulcher Ewer 1956b
Family ursidae Balloy & Ennouchi 1950, Ennouchi 1967, Kurtén 1957a
Ursus sp. Ennouchi 1954
Ursus arctos bibersoni Ennouchi 1967
Ursus arctos faidherbi Balloy & Ennouchi 1950, Ennouchi 1967

- Ursus arctos larteti* Ennouchi 1967
Ursus spelaeus Kurtén 1957a
Ursus spelaeus minor Ennouchi 1967
- Family Mustelididae:
Aonyx capensis (sunk) Ewer 1963a
Arabustus sp. Ewer 1963a
Mellivora capensis Ewer & Singer 1956, Hendey & Hendey 1968,
 Inskeep & Hendey 1966, Singer & Fuller 1963
- Family Viverridae:
Crossarchus sp. Cooke 1952a
Cynictis pennicillata (unnamed new ssp.) Ewer 1956d
Cynictis pennicillata brachyodon ssp. n. Ewer 1956f
Herpestes ichneumon Ewer & Singer 1956, Hendey & Hendey 1968
Herpestes mesotes sp. n. Ewer 1956d
- Family Hyaenidae Ewer 1955a, b, c, 1967a, Kurtén 1957a, Toerien 1952
 bone scattering habits Brain 1968, Dart 1956
Crocuta sp. Cooke 1952a, Ewer 1963b, Hendey 1968, Hendey &
 Hendey 1968, Inskeep & Hendey 1966
Crocuta crocuta crocuta Cooke 1952a, Ewer 1963b, 1967a
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Crocuta crocuta ultra ssp. n. Ewer 1955a, b, 1967a, Ewer & Singer 1956
 (Includes *C. c. angella*, *C. ultra latidens*, *C. u. ultra*, *C. spelaea capensis*).
Crocuta crocuta venustula (Formerly *C. venustula*) ssp. n. Ewer 1955a, 1967a
Crocuta cf. *spelaea* Ewer 1955a
Hyaena spp. Cooke 1952a, Ennouchi 1954, Ewer 1955b
Hyaena bellax sp. n. Ewer 1955a
Hyaena brunnea Hendey & Hendey 1968, Ewer & Singer 1956, Singer 1957
Hyaena brunnea dispar ssp. n. Ewer 1955b
Hyaena hyaena makapani (formerly *H. makapani*) ssp. n. Ewer 1967a
Hyaena striata Abadie, Barbeau & Coppens 1959, Coppens 1962
Hyaenictis sp. Coque 1957
Leecyaena forbesi sp. n. Ewer 1955b
Lycyaena silberbergi Ewer 1955c
Lycyaena silberbergi nitidula (formerly *L. nitidula*) ssp. n. Ewer 1955c, 1967a
- Family Felidae:
 Sub-family Felinae Ewer 1956f
Felis crassidens Ewer 1956c, 1963b
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Leptailurus serval Cooke 1952a, Ewer & Singer 1956, Hendey & Hendey 1968
Panthera spp. Ewer 1956c
Panthera leo Hendey & Hendey 1968
Panthera leo (i.e. ? *P. shawi*) Ewer 1956c
Panthera leo aff. *spelaea* Hendey 1968

- Panthera pardus* (gnawing) Brain 1968
Panthera pardus incurva ssp. n. Ewer 1956c
- Sub-Family Machairodontinae Ewer 1955d
Dinofelis sp. Ewer 1955d
Dinofelis abeli Hemmer 1965
Dinofelis barlowi Ewer 1955d, 1956f, Hemmer 1965
Dinofelis diastemata Hemmer 1965
Dinofelis piveteaui sp. n. Ewer 1955d
Machairodus spp. Arambourg 1954a, Cooke 1952a
Machairodus darti sp. n. Toerien 1955
Machairodus transvaalensis Dart 1952
Meganteron eurydon sp. n. Ewer 1955d
Theruilurus (replaced in *Dinofelis*) Hemmer 1965
- Sub Order PINNIPEDIA
- Family Phocidae:
 cf. *Arctocephalus* sp. Singer 1961
 ? *Arctocephalus pusillus* Hendey 1968
- Order TUBULIDENTATA
- Family Orycteropodidae:
Orycteropus afer Kitching 1963
- Order PROBOSCIDEA
- Sub-Order ELEPHANTOIDEA—
- Family Gomphotheriidae
- Sub-Family Anancinae:
Anancus osiris Coppens 1965, 1967
- Family Elephantidae
- Sub-Family Stegodontinae:
Stegodon sp. Singer 1961
Stegodon kaisensis Coppens 1965
Stegodon korotorensis sp. n. Coppens 1965
Stegolophodon sp. Singer 1961, Singer & Hooijer 1958
- Sub-Family Elephantinae:
Archidiskodon see *Loxodonta* or *Mammuthus*
Elephas see *Loxodonta*
Loxodonta spp. Deraniyagala 1953, Drennan 1953, Singer 1962
Loxodonta africana Bateman 1961, Coppens 1965, Hendey 1968,
 Mauny 1967, Monod 1963
Loxodonta africana (estimation of age) Hewson 1968
Loxodonta africanus sp. n. Abadie, Barbeau & Coppens 1959,
 Arambourg 1952d, Coppens 1965, 1967, Ennouchi 1956

- Loxodonta atlanticus* (incl. *L. zulu*) . . . Arambourg 1952e, 1954a, Cooke 1963,
Coppens 1967, Ennouchi 1956, 1958a, Gottis 1953, Wells 1959b
- Loxodonta atlanticus angammensis* ssp. n. Coppens 1965
- Loxodonta gides* Cooke 1960
- Loxodonta jolensis* (incl. *L. melitensis*) . . . Arambourg 1952d, e, Ennouchi 1956
- Loxodonta pharaohensis* Deraniyagala 1953
- Loxodonta pharaohensis horriboli* Deraniyagala 1953
- Loxodonta pomeli* sp. n. Arambourg 1952d, Ennouchi 1956
- Loxodonta recki* Abadie, Barbeau & Coppens 1959, Arambourg,
Chavaillon & Coppens 1967, Coppens 1967, Pottier 1951
- Loxodonta transvaalensis* Cooke 1960, Henley 1967
- Mammuthus broomi* Cooke 1960
- Loxodonta exoptatus* (incl. *M. meridionalis*) . . . Cooke 1960, Ennouchi 1956
- Loxodonta subplanifrons* (incl. *L. scotti*) Meiring 1955
- Metarchidiskodon* (sunk) Cooke 1960

Sub-Order DEINOTHEROIDEA

Family Deinotheriidae

- Deinotherium bozasi* Leakey 1965

Order HYRACOIDEA

Family Procaviidae:

- Gigantohyrax maguirei* gen. et sp. n. Kitching 1965
- Procavia (Prohyrax) antiqua* Churcher 1966
- Procavia obermeyerae* Churcher 1966
- Procavia robertsi* Churcher 1966
- Procavia transvaalensis* Churcher 1966

Order PERISSODACTYLA:

Family Equidae:

- Asinus* see *Equus*
- Eurygnathohippus* (reconstruction) Leakey 1954
- Equus* spp. Bate 1951, Cooke & Wells 1951, Ennouchi 1954,
Henley 1968, Henley & Henley 1968
- Equus broomi* (sunk) Wells 1959a
- Equus burchelli* Mendez 1966
- Equus capensis* (?=*E. helmei*) (sunk) Wells 1959a
- Equus cawoodi* (sunk) Wells 1959a
- Equus fowleri* (?=*E. plicatus*) Wells 1959a
- Equus gigas* (sunk) Wells 1959a
- Equus helmei* Wells 1959a, b
- Equus hydruntinus* Blanc 1956
- Equus kuhni* (sunk) Wells 1959a
- Equus louwi* (sunk) Wells 1959a
- Equus lylei* (?=*E. burchelli* or *E. quagga*) Wells 1959a

<i>Equus oldowayensis</i>	Whitworth 1965
<i>Equus platyconus</i> (sunk)	Wells 1959a
<i>Equus plicatus</i>	Singer & Inskeep 1962, Wells 1959a, b
<i>Equus poweri</i> (sunk)	Wells 1959a
<i>Equus quagga</i>	Wells 1959b
<i>Equus sandwithi</i>	Wells 1959a
<i>Equus simplex</i> (sunk)	Wells 1959a
<i>Equus simplicissimus</i> (sunk)	Wells 1959a
<i>Equus westphali</i> (sunk)	Wells 1959a
<i>Equus zebra greatherdi</i> ssp. n.	Lundholm 1952
<i>Equus zietsmani</i> (?= <i>E. plicatus</i>)	Wells 1959a
<i>Hipparion</i> fauna see Fauna in subject index	
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<i>Hipparion</i> spp.	Boné & Singer 1965, Hoffman 1955, Singer & Boné 1966
<i>Hipparion</i> (<i>Stylohipparion</i>) <i>albertense</i>	Coppens 1965
<i>Hipparion albertense baardi</i> ssp. n.	Boné & Singer 1965
<i>Hipparion albertense serengetensis</i> ssp. n.	Boné & Singer 1965, Singer & Boné 1966
" <i>Kraterohippus</i> " <i>elongatus</i> (sunk)	Wells 1959a
" <i>Sterrohippus</i> " <i>robustus</i> (sunk)	Wells 1959a
<i>Stylohipparion</i>	Cooke 1952a, Coque 1957, Hoffman 1955

Family Chalicotheriidae:

<i>Ancylotherium hennigi</i>	Butler 1965
<i>Borissiakia</i> gen. n.	Butler 1965
<i>Chalicotherium brevirostris</i>	Butler 1965
<i>Chalicotherium goldfussi</i>	Butler 1965
<i>Chalicotherium grande</i>	Butler 1965
<i>Chalicotherium grande rhodanicum</i>	Butler 1965
<i>Chalicotherium metzleri</i>	Butler 1965
<i>Chalicotherium pilgrimi</i>	Butler 1965
<i>Chalicotherium rusingense</i> sp. n.	Butler 1965
<i>Chalicotherium salinium</i>	Butler 1965
<i>Chalicotherium styriacum</i>	Butler 1965
<i>Metaschizotherium transvaalensis</i>	Webb 1965
<i>Phyllotillon</i> sp.	Butler 1965

Family Rhinocerotidae Bate 1951, Cave 1962, Mauny 1967

<i>Ceratotherium effica</i>	Leakey 1965
<i>Ceratotherium simum</i>	Abadie, Barbeau & Coppens 1959, Anderson 1968, Cave 1962, Coppens 1962, Hendey 1968, Hendey & Hendey 1968, Hooijer 1958a, Hooijer & Singer 1961b
<i>Dicerorhinus leptorhinus</i>	Ennouchi 1956
<i>Diceros bicornis</i>	Anderson 1968, Cave 1962, Hendey 1968, Hendey & Hendey 1968, Hooijer 1958a, Hooijer & Singer 1961b

Order ARTIODACTYLA

Sub-Order Suiformes—

- Family Suidae Arambourg, Chavaillon & Coppens 1967, Ewer 1957c, 1962
- Afrochoerus nicoli* Ewer 1963b, Leakey 1958b
(reconstruction drawing) Leakey 1958a
- Ectopotamochoerus dubius* gen. et. sp. n. Leakey 1965
- Hylochoerus antiquus* Leakey 1958b
- Hylochoerus meinertzhageni* Leakey 1958b
- Gerontochoerus* see *Notochoerus*
- Koiropotamus porcus koiropotamus* Leakey 1958b, Whitworth 1965
- Koiropotamus limnetes* Leakey 1958b
- Mesochoerus andrewsi* Leakey 1958b
- Mesochoerus lategani* sp. n. Keen & Singer 1956, Leakey 1958b, Singer 1957,
Singer & Keen 1955
- Mesochoerus olduvaiensis* Leakey 1958b
- Mesochoerus paiceae* Keen & Singer 1956, Leakey 1958b, Singer 1957
- Mesochoerus pygmaeus* sp. n. Leakey 1958b
- Metachoerus darti* Ewer 1956f
- Metridiochoerus* sp. (reconstruction drawing) Leakey 1954
- Notochoerus* sp. (reconstruction drawing) Leakey 1954
- Notochoerus capensis* Leakey 1958b
- Notochoerus compactus* Leakey 1958b
- Notochoerus euilis* Ewer 1958, 1963b, Leakey 1958b
- Notochoerus hopwoodi* Leakey 1958b
- Nyanzochocerus kanamensis* gen. et sp. n. Leakey 1958b
- Omochoerus grabhami* Leakey 1958b
- Omochoerus heseloni* Leakey 1958b
- Orthostonyx brachyops* gen. et. sp. n. Leakey 1958b
- Phacochoerus* sp. Whitworth 1965
- Phacochoerus aethiopicus* (incl. *venteri*) Ewer 1957a, c, 1962, Whitworth 1965
- Phacochoerus africanus* Leakey 1958b
- Phacochoerus africanus helmei* ssp. n. Ewer 1957c
- Phacochoerus altidens altidens* Leakey 1958b
- Phacochoerus altidens robustus* ssp. n. Leakey 1958b
- Phacochoerus antiquus* Ewer 1956c
- Phacochoerus garrodae* Bate 1952
- Phacochoerus kabuae* sp. n. Whitworth 1965
- Potamochoeroides hypsodon* Ewer 1958
- Potamochoeroides majus* Ewer 1963b, Leakey 1958b
- Potamochoeroides shawi* Ewer 1958, 1963b
- "*Potamochoerus*" *intermedius* sp. n. Leakey 1965
- Promesochocerus mukiri* gen. et sp. n. Leakey 1965
- Pronotochoerus jacksoni* Leakey 1958b

- Prnotochoerus nyanzae* Leakey 1958b
Sus scrofa Ennouchi 1958b
Tapinochoerus (validity of genus) Keen & Singer 1956
Tapinochoerus meadowsi Ewer 1956e, 1963b, 1967b, Keen & Singer 1956,
 Leakey 1958b, Singer 1957
Tapinochoerus minutus Leakey 1958b
- Family Hippopotamidae:
Hippopotamus sp. Deraniyagala 1951, Hendey & Hendey 1968,
 Singer & Keen 1955
Hippopotamus amphibius Arambourg 1952e, Bond & Summers 1951,
 Cooke & Wells 1951, Hendey 1968, Hooijer 1958b, Kitching
 1951, Singer & Keen 1955, Wells 1959b, Whitworth 1965
Hippopotamus imaguncula Coppens 1967, Misonne 1952
Hippopotamus makapanensis sp. n. Kitching 1951
Hippopotamus protoamphibius Abadie, Barbeau & Coppens 1959, Coppens 1962
Hippoleakius kaisensis Deraniyagala 1951
Hippoleakius gorgops Deraniyagala 1951
Hippoleakius gorgops gorgops Deraniyagala 1951
Hippoleakius gorgops recitops Deraniyagala 1951
- Sub-Order TYLOPODA
- Family Camelidae Charnot 1954, 1961
Camelus bactrianus Charnot 1954
Camelus dromedarius Charnot 1954, 1961
Camelus thomasi Charnot 1954, Gentry & Gentry 1969
- Sub-Order RUMANANTIA
- Family Giraffidae—
- Sub-Family Palaeotraginae:
Okapia stillei Leakey 1965
- Sub-Family Giraffinae
Giraffa camelopardalis Abadie, Barbeau & Coppens 1959, Mauny 1967,
 Monod 1963, Singer & Boné 1960
Giraffa camelopardalis capensis Singer & Boné 1960
Giraffa camelopardalis congoensis Singer & Boné 1960
Giraffa camelopardalis reticulata Singer & Boné 1960
Giraffa camelopardalis tippelschirki Singer & Boné 1960
Giraffa gracialis Leakey 1965
Giraffa jumae sp. n. Leakey 1965
Griquatherium see *Sivatherium*
Libytherium maurusium Arambourg 1960, Singer & Boné 1960
Sivatherium spp. Cooke 1952a, Drennan 1953, Ewer 1963b,
 Leakey 1954, Singer 1957, Singer & Boné 1960
Sivatherium (reconstruction drawing) Leakey 1954

<i>Sivatherium olduvaiense</i>	Singer 1957, 1961, Singer & Boné 1960
<i>Sivatherium olduvaiense haughtoni</i> ssp. n.	Singer & Boné 1960
<i>Sivatherium olduvaiense vanhoepeni</i> ssp. n.	Singer & Boné 1960
<i>Sivatherium cingulatum</i>	Singer & Boné 1960
Family Bovidae	Cooke & Wells 1951, Wells 1956, Wells & Cooke 1956, Whitworth 1965
Sub-Family Bovinae:	
<i>Bos africanus</i>	Hall 1962
<i>Bos primigenius</i>	Hall 1962
<i>Bularchus arok</i> (reassigned to <i>Pelorovis</i>)	Gentry 1967
<i>Homoioceras</i> sp.	Cooke 1956, Cooke & Wells 1951, McBurney & Hey 1955
<i>Homoioceras bainii</i>	Cooke 1955, Drennan 1953, Singer 1957
<i>Homoioceras singae</i>	Bate 1951
<i>Pelorovis oldowayensis</i>	Gentry 1967
(reconstruction drawings)	Leakey 1954
<i>Strepsiceros strepsiceros</i>	Wells & Cooke 1956
<i>Strepsiceros grandis</i> sp. n.	Leakey 1965
<i>Strepsiceros maryanus</i> sp. n.	Leakey 1965
<i>Syncerus caffer</i>	Hendey 1968, Wells & Cooke 1956
<i>Taurotragus arkelli</i> sp. n.	Leakey 1965
<i>Taurotragus</i> cf. <i>oryx</i>	Hendey 1968, Wells & Cooke 1956
<i>Tragelaphus</i> sp.	Whitworth 1965
<i>Tragelaphus nakuae</i>	Whitworth 1965
<i>Tragelaphus scriptus</i>	Whitworth 1965
Sub-Family Neotraginae:	
<i>Raphicerus</i> sp.	Hendey 1968, Hendey & Hendey 1968
Sub-Family Cephalophinae:	
<i>Cephalophus caerulus</i>	Wells & Cooke 1956
<i>Cephalophus pricei</i> sp. n.	Wells & Cooke 1956
<i>Sylvicapra</i> sp.	Whitworth 1965
Sub-Family Orcotraginae:	
<i>Oreotragus major</i> sp. n.	Wells 1951, Wells & Cooke 1956
Sub-Family Hippotraginae:	
<i>Hippotragus robust</i> form	Wells 1965, 1967a
<i>Hippotragus equinus</i>	Whitworth 1965
<i>Hippotragus gigas</i> sp. n.	Leakey 1965
<i>Hippotragus leucophaeus</i>	Hendey & Hendey 1968, Wells 1965
<i>Hippotragus niro</i> see <i>Damaliscus niro</i>	
<i>Kobus</i> sp.	Bate 1951, Wells 1963, Whitworth 1965
<i>Kobus</i> cf. <i>leche</i>	Singer 1957
<i>Oryx gazella</i>	Bate 1951, Wells 1951, 1956, Wells & Cooke 1956
<i>Redunca arundinum</i>	Hendey 1968, Hendey & Hendey 1968

<i>Redunca darti</i> sp. n.	Wells & Cooke 1956
<i>Redunca fulvorufula</i>	Wells & Cooke 1956
Sub-Family Alcelaphinae	
<i>Alcelaphus</i> sp.	Abadie, Barbeau & Coppens 1959
<i>Alcelaphus broomi</i>	Wells 1959c
<i>Alcelaphus caama</i>	Hoffman 1953, Wells 1959c
<i>Alcelaphus elegans</i>	Hoffman 1953
<i>Alcelaphus helmei</i>	Hoffman 1953, Wells 1959c, Wells & Cooke 1956
<i>Alcelaphus howardi</i> sp. n.	Leakey 1965
<i>Alcelaphus priscus</i>	Wells 1959c
<i>Alcelaphus robustus</i>	Wells 1959c, Wells & Cooke 1956
<i>Beatragus antiquus</i> sp. n.	Leakey 1965
<i>Connochaetes</i> sp.	Hendey 1968
<i>Connochaetes olduvaiensis</i> sp. n.	Leakey 1965
<i>Connochaetes taurinus</i>	Wells & Cooke 1956
<i>Damaliscus</i> sp.	Wells & Cooke 1956
<i>Damaliscus</i> cf. <i>albifrons</i>	Wells 1959b
<i>Damaliscus antiquus</i> sp. n.	Leakey 1965
<i>Damaliscus niro</i>	Gentry 1965
<i>Lunatoceros mirum</i>	Hoffman 1953, Wells 1959c
<i>Parmularius rugosus</i> sp. n.	Leakey 1965
<i>Peloroceros</i> see <i>Alcelaphus</i>	
<i>Xenocephalus robustus</i> gen. et sp. n.	Leakey 1965
Sub-Family Antilopinae	
<i>Aepyceros melampus</i>	Wells & Cooke 1956
<i>Antidorcas</i> sp.	Hendey 1968
<i>Antidorcas marsupialis</i>	Singer & Fuller 1963
<i>Antidorcas marsupialis australis</i> ssp. n.	Hendey & Hendey 1968
<i>Gazella</i> spp.	Arambourg 1957, Cooke 1952a, Ennouchi 1954, Gentry 1966
<i>Gazella atlanticus</i>	Ennouchi 1958b
<i>Gazella dorcas</i>	Ennouchi 1958b
<i>Gazella gracilior</i> sp. n.	Wells & Cooke 1956
<i>Gazella wellsi</i>	Gentry 1966, Singer & Fuller 1963
<i>Makapania broomi</i> gen. et sp. n.	Wells & Cooke 1956
<i>Phenacotragus vanhoepeni</i> sp. n.	Wells 1959, Wells & Cooke 1956
<i>Raphicerus</i> sp.	Singer & Fuller 1963
Sub-Family Caprinae:	
<i>Ammotragus</i> sp.	Ennouchi 1954, Higgs 1967a, d, McBurney & Hey 1955
<i>Ovis</i> spp.	Ennouchi 1954, Higgs 1967a, d
<i>Pelorovis</i> sp. see under <i>Bovinae</i>	
A bovid of uncertain status	
<i>Megalotragus eucornutus</i>	Hoffman 1953, Wells 1959c, 1964a, Wells & Cooke 1956