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CHECKLIST OF THE SPECIES OF TERMITES (ISOPTERA) RECORDED FROM EAST AFRICA

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INTRODUCTION

This checklist is based on one originally prepared by Kisito Wanyonyi during a period of training in Switzerland and Britain. It was apparently intended to form part of a thesis or handbook which he never completed. After his death in 1975 the list was used for reference by members of the Termite Research Programme at I.C.I.P.E.. This programme finally closed down in 1982.

In 1983 the termite collection of the National Museums of Kenya was reorganised and catalogued. It seemed an opportune moment to revise and update the checklist, and to publish it. The revision was carried out by J.P.E.C. Darlington, formerly of I.C.I.P.E., and R.K.N. Bagine of the National Museums of Kenya.

The list includes 177 species, of which two are recent introductions. Of the 32 species recorded only from Uganda, most probably belong to the fauna of the West African savannas, or are relicts of the Congo Forest which was formerly more extensive. The remaining 143 species comprise the East African fauna proper which is continuous with that of Somalia, Ethiopia and Sudan to the North, and of Malawi, Zimbabwe and Mozambique to the South. The actual distribution of species is closely linked to vegetation zones (Bouillon 1970).

This list is not definitive but merely a statement of the *status quo*. The taxonomy and distribution of East African termites are incompletely known, especially in the un-revised taxa, and future work will certainly lead to changes in the list, both by the addition of newly-described species and by the suppression of species names which are found to be synonymous.

The known distribution of each species in East Africa is coded in the list as follows: U = Uganda, K = Kenya, T = Tanzania, mainland only, Z = Zanzibar Island (Tanzania).

SOURCES

In revising the list the following published sources have been used: Snyder (1949) for all groups that have not subsequently been revised; Harris (1966a) for the genus *Coptotermes*; Sands (1972) for the subfamily Apicotermatinae; Sands (1959) for the genus *Amitermes*; Williams (1966) for the genus *Cubitermes*; Ruelle (1970, 1977) for the genus *Macrotermes*; Harris (1966b) for the genus *Ancistrotermes*; and Sands (1957) for the subfamily Nasutitermitinae, eastern group only. The "Catalogue ethiopien" of Bouillon and Mathot (1965, 1966) was also consulted. Additional distribution records from Harris (1951) and Kemp (1955) have been included. The layout of the checklist follows Snyder (1949) except in the family Termitidae in which the revised arrangement of Sands (1972) is used.

Distribution records derived from the published sources mentioned above are quoted in the list without a subscript. Records derived solely from unpublished sources are indicated by a subscript, as follows:

* Deceased

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1. Wanyonyi's original list dated 1972. This was compiled from two main sources:
 - a) Unpublished catalogue and notes of Dr. E. Ernst of the Schweizerisches Tropeninstitut, Basle, Switzerland.
 - b) Records of the Termite Research Unit, Centre for Overseas Pest Research, London. This included unpublished collection data of W.A. Sands and R.M.C. Williams; and a catalogue, updated by R.W. Lamb, of the termite collection housed in the Entomology Department, British Museum (Natural History).
2. A termite collection donated to the National Museums of Kenya by W. Wilkinson of the East African Agriculture and Forestry Research Organisation, Muguga, Kenya.
3. Termites collected by J.P.E.C. Darlington, D.E. Pomeroy, K. arap Rotich, R.K.N. Bagine and others, most of which were identified by S. Bacchus of the C.O.P.R. Termite Research Unit, London. The material is housed partly in the National Museums of Kenya and partly in the British Museum (Natural History).
4. An unpublished thesis by Buxton (1979) whose identifications were checked by W.A. Sands and R.M.C. Williams and whose material is deposited at the British Museum (Natural History) in London.

FAMILY KALOTERMITIDAE

Subfamily Kalotermitinae

Genus <i>Epicalotermes</i> Silvestri, 1918			
<i>E. aethiopicus</i> Silvestri, 1918		K ₁	
<i>E. kempae</i> (Wilkinson, 1954)		K _{2,4}	T
<i>E. mkuzii</i> (Coaton, 1949)			T
Genus <i>Neotermes</i> Holmgren, 1911			
<i>N. aridus</i> Wilkinson, 1959		K	
<i>N. cryptops</i> (Sjöstedt, 1900a)	U ₁		T
<i>N. firmus</i> (Sjöstedt, 1911a)		K	
<i>N. meruensis</i> (Sjöstedt, 1907a)		K	T
Genus <i>Bifiditermes</i> Krishna, 1961			
<i>B. angulatus</i> (Wilkinson, 1959)			T
<i>B. durbanensis</i> Haviland, 1898		K ₂	T
<i>B. jeannelanus</i> (Sjöstedt, 1915)	U	K	T
<i>B. sibayensis</i> (Coaton, 1949)			T ₁
<i>B. sylvaticus</i> (Wilkinson, 1959)	U	K	
Genus <i>Cryptotermes</i> Banks, 1906			
<i>C. dudleyi</i> Banks, 1918 (introduced)			T
<i>C. havilandi</i> (Sjöstedt, 1900b)	U	K	T
Genus <i>Glyptotermes</i> Froggatt, 1896			
<i>G. ignotus</i> Wilkinson, 1959	U		
<i>G. kawandae</i> Wilkinson, 1954	U		
<i>G. parki</i> Krishna & Emerson, 1962	U		
<i>G. parvulus</i> (Sjöstedt, 1907b)	U		
<i>G. reticulatus</i> Wilkinson, 1954			Z
<i>G. uelensis</i> Coaton, 1955	U ₁		
Genus <i>Bicornitermes</i> Krishna, 1961			
<i>B. bicornis</i> Krishna, 1961	U ₁		
<i>B. spinicollis</i> (Wilkinson, 1958)			T

ERRATA

page 4 line 30

"M. sp." add "near notandus Silvestri 1914-15"

page 5 line 6

"genus Ceratotermes Silvestri 1914-15" delete and substitute
"genus Foraminitermes Holmgren 1912"

page 5 line 7

~~—~~ "C. rhinoceros (Sjöstedt, 1905) U T" correct to read
~~—~~ "C. rhinoceros (Sjöstedt, 1905) U K₃ T"

These changes are made to conform with the synonymy established by KRISHNA K., 1963. The African genus Foraminitermes Holmgren (Isoptera, Termitidae, Termitinae). American Museum Novitates 2161: 1-23.

FAMILY HODOTERMITIDAE

Subfamily Hodotermitinae

Genus *Hodotermes* Hagen, 1853

<i>H. mossambicus</i> (Hagen, 1853)	U	K ₃	T	
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FAMILY RHINOTERMITIDAE

Subfamily Coptotermitinae

Genus *Coptotermes* Wasmann, 1896

<i>C. amanii</i> (Sjöstedt, 1911b)			T	Z
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<i>C. formosanus</i> Shiraki, 1909 (introduced)	U	K ₂		
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<i>C. sjöstedti</i> Holmgren, 1911			T	
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Subfamily Rhinotermitinae

Genus *Schedorhinotermes* Silvestri, 1909

<i>S. lamanianus</i> (Sjöstedt, 1911c)	U	K	T	Z
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<i>S. putorius</i> (Sjöstedt, 1896)	U			
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FAMILY TERMITIDAE

Subfamily Apicotermitinae

Genus *Apicotermes* Holmgren, 1912

<i>A. holmgreni</i> Emerson, 1956			T ₁	
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Genus *Astalotermes* Sands, 1972

<i>A. amicus</i> Sands, 1972			T	
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<i>A. hapalus</i> Sands 1972		K		
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Genus *Astratotermes* Sands, 1972

<i>A. apoenetus</i> Sands, 1972		K		
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<i>A. mansuetus</i> Sands, 1972		K		
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Genus *Alyscotermes* Sands, 1972

<i>A. kilimandjaricus</i> (Sjöstedt, 1907a)	U	K	T	
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<i>A. trestus</i> Sands, 1972		K		
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Genus *Ateuchotermes* Sands, 1972

<i>A. pectinatus</i> Sands, 1972	U	K		
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<i>A. rastratus</i> Sands, 1972		K	T	
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Genus *Anenteotermes* Sands, 1972

<i>A. disluctans</i> Sands, 1972	U			
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<i>A. improelatanus</i> Sands, 1972		K		
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Genus *Aderitotermes* Sands, 1972

<i>A. fossor</i> Sands, 1972	U	K	T	
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Genus *Adaiphrotermes* Sands, 1972

<i>A. choanensis</i> (Fuller, 1925)		K ₄	T	
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Subfamily Termitinae

Genus *Amitermes* Silvestri, 1901

<i>A. acinacifer</i> Sands, 1959		K		
<i>A. evuncifer</i> Silvestri, 1912a	U	K		
<i>A. hastatus</i> (Haviland, 1898)			T	
<i>A. lönnbergianus</i> (Sjöstedt, 1911d)		K	T	
<i>A. messinae</i> Fuller, 1922		K	T	Z
<i>A. sciangallorum</i> Ghidini, 1941		K ₄	T	
<i>A. somaliensis</i> Sjöstedt, 1927		K		
<i>A. spinifer</i> Silvestri, 1914-15	U	K	T	
<i>A. stephensoni</i> Harris, 1957		K ₁		
<i>A. truncatidens</i> Sands, 1959			T	
<i>A. unidentatus</i> (Wasmann, 1897)	U	K	T	Z

Genus *Microcerotermes* Silvestri, 1901

<i>M. brachygnathus</i> Silvestri, 1914-15			T	
<i>M. edentatus</i> Wasmann, 1911	U		T	
<i>M. masaiaticus</i> Harris, 1954		K	T	
<i>M. nemoralis</i> Harris, 1954			T	
<i>M. parvulus</i> (Sjöstedt, 1911c)			T	
<i>M. parvus</i> (Haviland, 1898)	U	K ₄	T	
<i>M. zuluensis</i> Holmgren, 1913a			T	Z

Genus *Crenetermes* Silvestri, 1912a

<i>C. albotarsalis</i> (Sjöstedt, 1897)			T	
<i>C. mixtus</i> Williams, 1962		K	T	

Genus *Euchilotermes* Silvestri, 1914-15

<i>E. umbraticola</i> (Williams, 1954)		K	T	
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Genus *Ophiotermes* Sjöstedt, 1924a

<i>O. ugandensis</i> Sjöstedt, 1925	U			
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Genus *Megagnathotermes* Silvestri 1914-15

<i>M. sp.</i>		K ₃		
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Genus *Cubitermes* Wasmann, 1906

<i>C. falcifer</i> Williams, 1966			T	
<i>C. fulvus</i> Williams, 1966			T	
<i>C. glebae</i> (Sjöstedt, 1913)		K	T	
<i>C. inclitus</i> Silvestri, 1912b	U	K	T	
<i>C. latens</i> Williams, 1966			T	
<i>C. montanus</i> Williams, 1966			T	
<i>C. muneris</i> (Sjöstedt, 1913)		K	T	
<i>C. oblectatus</i> Harris, 1958			T	
<i>C. orthognathus</i> (Emerson, 1928)	U	K	T	
<i>C. pallidiceps</i> (Sjöstedt, 1913)			T	
<i>C. sankurensis</i> Wasmann, 1911			T	
<i>C. speciosus</i> Sjöstedt, 1924a	U			
<i>C. tenuiceps</i> (Sjöstedt, 1913)			T	
<i>C. testaceus</i> Williams, 1966	U	K		
<i>C. ugandensis</i> Fuller, 1923	U	K	T	
<i>C. umbratus</i> Williams, 1954		K	T	
<i>C. zavattarii</i> Ghidini, 1937		K	T	

Genus *Lepidotermes* Sjöstedt, 1924b

<i>L. goliathi</i> (Williams, 1954)			T	
<i>L. planifacies</i> (Williams, 1954)			T	

Genus <i>Noditermes</i> Sjöstedt, 1924a				
<i>N. wasambaricus</i> Williams, 1954		K	T	
Genus <i>Basidentitermes</i> Holmgren, 1912				
<i>B. amicus</i> Harris, 1936			T	
<i>B. aurivillii</i> (Sjöstedt, 1897)	U			
Genus <i>Ceratotermes</i> Silvestri, 1914-15				
<i>C. rhinoceros</i> (Sjöstedt, 1905)	U		T	
Genus <i>Angulitermes</i> Sjöstedt, 1924a				
<i>A. truncatus</i> Sjöstedt, 1926a	U	K	T	
Genus <i>Promirotermes</i> Silvestri, 1914-15				
<i>P. bellicosi</i> (Wasmann, 1912)		K ₄	T	
<i>P. gracilipes</i> Schmitz, 1917	U	K		
<i>P. massaicus</i> (Sjöstedt, 1907a)		K ₄	T	
Genus <i>Pericapritermes</i> Silvestri, 1914-15				
<i>P. dumicola</i> Harris, 1954			T	
<i>P. gloveri</i> Harris, 1951			T	
Subfamily Macrotermitinae				
Genus <i>Acanthotermes</i> Sjöstedt, 1898				
<i>A. acanthothorax</i> (Sjöstedt, 1898)	U			
Genus <i>Pseudacanthotermes</i> Sjöstedt, 1924a				
<i>P. grandiceps</i> (Sjöstedt, 1915)		K ₂	T ₁	
<i>P. militaris</i> (Hagen, 1858)	U	K	T	
<i>P. piceus</i> (Sjöstedt, 1911a)	U			
<i>P. spiniger</i> (Sjöstedt, 1900a)	U	K ₂	T ₁	
Genus <i>Synacanthotermes</i> Holmgren, 1910				
<i>S. zanzibarensis</i> (Sjöstedt, 1915)		K	T	Z
Genus <i>Allodontermes</i> Silvestri, 1914				
<i>A. morogorensis</i> Harris, 1936			T	
Genus <i>Macrotermes</i> Holmgren, 1909				
<i>M. bellicosus</i> (Smeathman, 1781)	U	K	T	
<i>M. falciger</i> (Gerstäcker, 1891)	U	K	T	
<i>M. herus</i> (Sjöstedt, 1914a)		K	T	
<i>M. michaelsoni</i> (Sjöstedt, 1914a)		K ₃	T	
<i>M. subhyalinus</i> (Rambur, 1842)	U	K	T	
<i>M. ukuzii</i> (Fuller, 1922)			T	
<i>M. vitrialatus</i> (Sjöstedt, 1899)			T ₁	
Genus <i>Odontotermes</i> Holmgren, 1912				
<i>O. amanicus</i> Sjöstedt, 1925		K ₃	T	
<i>O. amaniensis</i> (Sjöstedt, 1924b)			T	
<i>O. anceps</i> (Sjöstedt, 1911e)			T	
<i>O. apollo</i> (Sjöstedt, 1905)			T	
<i>O. aurora</i> (Sjöstedt, 1904)				Z
<i>O. badius</i> (Haviland, 1898)	U	K	T	
<i>O. boranicus</i> (Ghidini, 1937)		K	T	
<i>O. caffrariae</i> (Sjöstedt, 1897)			T	
<i>O. culturarum</i> Sjöstedt, 1924c	U	K ₃	T	

<i>O. egregius</i> Sjöstedt, 1925		K		
<i>O. elgonensis</i> (Sjöstedt, 1925)		K		
<i>O. fallax</i> Sjöstedt, 1924c		K		
<i>O. fulleri</i> (Emerson, 1928)	U	K ₃		
<i>O. kibarensis</i> (Fuller, 1923)	U	K ₃	T	
<i>O. latericius</i> (Haviland, 1898)	U		T	
<i>O. mediocris</i> (Sjöstedt, 1911e)		K	T ₂	
<i>O. microps</i> (Sjöstedt, 1899)			T	
<i>O. monodon</i> (Gerstäcker, 1891)	U	K	T	Z
<i>O. montanus</i> Harris, 1960		K		
<i>O. nolaensis</i> Sjöstedt, 1924c	U	K ₃		
<i>O. palmquisti</i> (Sjöstedt, 1907a)		K	T	
<i>O. patruus</i> (Sjöstedt, 1913)	U ₁	K ₁		
<i>O. ramulosus</i> (Sjöstedt, 1904)			T	
<i>O. rectanguloides</i> Sjöstedt, 1924c	U	K ₁	T	
<i>O. stercorivorus</i> (Sjöstedt, 1907a)		K ₃	T	
<i>O. tanganicus</i> Sjöstedt, 1924c		K	T	
<i>O. terricola</i> (Sjöstedt, 1902a)		K	T	
<i>O. transvaalensis</i> (Sjöstedt, 1902b)	U		T ₁	
<i>O. zambesiensis</i> (Sjöstedt, 1914b)		K _{3,4}	T	Z ₁
Genus <i>Ancistrotermes</i> Silvestri, 1914-15				
<i>A. cavithorax</i> (Sjöstedt, 1899)	U			
<i>A. equatorius</i> (Harris, 1966b)	U			
<i>A. latinotus</i> (Holmgren, 1912)	U	K	T	
<i>A. microdens</i> (Harris, 1966b)	U	K		
Genus <i>Microtermes</i> Wasmann, 1902				
<i>M. alluaudanus</i> (Sjöstedt, 1915)		K	T	
<i>M. kasaiensis</i> (Sjöstedt, 1913)	U ₁	K ₁		
<i>M. luteus</i> (Harris, 1954)		K ₂	T	
<i>M. magnocellus</i> (Sjöstedt, 1915)			T	
<i>M. redenianus</i> (Sjöstedt, 1904)			T	
<i>M. usambaricus</i> Sjöstedt, 1926b			T	
<i>M. vadschaggae</i> (Sjöstedt, 1907a)		K ₄	T	
Subfamily Nasutitermitinae				
Genus <i>Nasutitermes</i> Dudley, 1890				
<i>N. arboreus</i> (Smeathman, 1781)	U			
<i>N. chapini</i> Emerson, 1928	U			
<i>N. elegantulus</i> (Sjöstedt, 1911b)	U ₁			
<i>N. fulleri</i> Emerson, 1928	U			
<i>N. incurvus</i> (Sjöstedt, 1924b)	U			
<i>N. infuscatus</i> (Sjöstedt, 1902c)		K	T	Z
<i>N. kempae</i> Harris, 1954		K	T	Z
<i>N. latifrons</i> (Sjöstedt, 1896)	U			
<i>N. maculiventris</i> (Sjöstedt, 1904)	U			
<i>N. schoutedeni</i> (Sjöstedt, 1924b)	U			
<i>N. torquatus</i> (Sjöstedt, 1924c)	U			
Genus <i>Rhadinotermes</i> Sands, 1965a				
<i>R. coarctatus</i> (Sjöstedt, 1902b)			T	
Genus <i>Grallatotermes</i> Holmgren, 1912				
<i>G. africanus</i> Harris, 1954		K	T	
Genus <i>Trinervitermes</i> Holmgren, 1912				
<i>T. auriterrae</i> Sjöstedt, 1926c	U			

<i>T. bettonianus</i> (Sjöstedt, 1905)	U	K	T	Z
<i>T. carbonarius</i> Sjöstedt, 1926d	U			
<i>T. dispar</i> (Sjöstedt, 1902d)	U	K	T	
<i>T. ebenerianus</i> Sjöstedt, 1926e	U			
<i>T. geminatus</i> (Wasmann, 1897)	U			
<i>T. graciosus</i> (Sjöstedt, 1924b)	U	K	T	
<i>T. lutzii</i> (Emerson, 1928)	U			
<i>T. occidentalis</i> (Sjöstedt, 1904)	U			
<i>T. oeconomus</i> (Trägårdh, 1904)	U			
<i>T. rapulum</i> (Sjöstedt, 1904)			T	Z
<i>T. ruficeps</i> (Holmgren, 1913a)			T	
<i>T. segelli</i> (Sjöstedt, 1907a)			T	
<i>T. togoensis</i> (Sjöstedt, 1899)	U			
<i>T. trinervius</i> (Rambur, 1842)	U			
Genus <i>Mimeuterme</i> Silvestri, 1914-15				
<i>M. binghami</i> Sands, 1968		K		
<i>M. majusculus</i> Sands, 1965b			T	

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