

## Reptile and Amphibian Type Specimens in the Collection of the National Museums of Kenya

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**Abstract.** Type specimens of East African reptiles and amphibians housed in the Herpetology Section, Department of Zoology of the National Museums of Kenya (NMK) are listed. There are a total of 22 species or subspecies names that have types in NMK, out of which 12 (55%) are presented by the holotypes. The specific names are arranged alphabetically under their respective families. The reference to the original description and specimen attributes such as gender and accession number for each taxon are provided.

**Key words.** Type specimens, Amphibia, Reptilia, NMK Nairobi

### INTRODUCTION

The herpetology collection in the National Museums of Kenya, Nairobi (NMK) remains the largest repository in East and Central Africa. Over the last century, NMK has benefitted from such legendary contributors as Arthur Loveridge and C. J. Ionides among others. Computerization of the voucher specimens has undergone many phases and was implemented under the phase II of the German BIOTA East Africa Project (subproject E15: Capacity building in biodiversity information systems). The data capture was carried out using the biodiversity collections software SPECIFY. It is expected that full information at the specimen level will be digitally available for the entire collection.

This catalogue comprises 109 specimens in 22 species or subspecies (11 in each Anura and Reptilia) that comprise 12 holotypes (six in Anura and 6 in Reptilia) and 97 paratypes.

The specific taxa of amphibians and reptiles are grouped by families and arranged alphabetically. The details in the catalogue include the species epithet, full original name with author(s), year of publication and page number, followed by catalogue number(s), gender and kind of type specimen. All types are listed with full locality information. This information includes names and geo-references of the collection sites, surname and initials of the collector(s), and the dates of collection. Geo-references were taken by GPS as cited in the original descriptions or are approximations from the East African Gazetteer (1946–1949) or Google Earth (2009). Locality information for paratype specimens collected at the same locality and date by different collectors or collected by the same collector in the same locality but at different dates is pooled.

### AMPHIBIA

#### ANURA

##### Arthroleptidae

*mackayi*, *Leptopelis mackayi* Köhler, Bwong, Schick, Veith & Lötters, 2006: 184

**A/3057: HT** adult ♂: Kenya: Western Province, Kakamega District, southern Kakamega Forest from Rondo Retreat Centre, Isecheno, 0°12'39"N, 34°46'36"E, 1550 m, K. Howell, 7.11.1994

**A/1407/1-3: 3 PT** adult and subadult ♂♂, adult ♀: Kenya: Western Province, Kakamega District, Bukura, 0°14'N, 34°37'E, T. Madsen, 18.03.1983

##### Brevicipitidae

*dawida*, *Callulina dawida* Loader, Measey, De Sá & Malonza, 2009: 57-58

**A/4267: HT** adult ♀: Kenya: Taita-Taveta District, Kiangungu forest patch near Iyale forest, 37M 426787, UTM 9623928 (GPS), J. Mwandoe & T. Mwakio, 16.12.2004

**A/1499/1, A/3534/1, 2 & 3, A/3913, A/4268/1 & 2: 7 PT:** Kenya: Taita-Taveta District, Ngangao Forest, 3°22'S, 38°20'E, H.J. Beentje & J. Lorubun, 10.05.1985; R. Odhiambo, 10.02.1998; J. Measey, 07.05.2002; G.J. Measey & J. Mwandoe, 28.12.2004

**A/3535, A/3703: 2 PT:** Kenya: Taita-Taveta District, Chawia Forest, 3°28'S, 38°22'E, R. Odhiambo, 22.03.1998; P.K. Malonza, V. Muchai and R. Mwakondi, 07.12.1999

**A/3613/1 & 2, A/3617, A/3619; A/4266: 5 PT:** Kenya: Taita-Taveta District, Fururu Forest, 3°30'S, 38°30'E, P.M. Odongo, 21.05.1998-01.06.1998; B.A. Bwong & G.J. Measey, 16.12.2004

**A/3647/1 & 2: 2 PT** ♂ & ♀: Kenya: Taita-Taveta District, Ndiwenyi Forest, 3°30'S, 38°30'E, P.M. Odongo, 4.-8.06.1998

### Hyperoliidae

**minutissimus**, *Hyperolius minutissimus* Schiøtz, 1975: 167  
HT in ZMUC

**A/2079 (formerly ZMH R 079450-54): 1 PT** adult ♂: Tanzania: between Dabaga and Kilosa, 7°00'S, 37°00'E (EAG), A. Schiøtz, & A.D. MacKay, 12.02.1971

**ngorongoroensis**, *Hyperolius viridiflavus ngorongoroensis* Schiøtz, 1975: 210  
Current classification: Synonym of *Hyperolius glandicolor* Peters, 1878: 208  
HT in ZMUC

**A/51: 1 PT:** Tanzania: Ngorongoro Crater, 2°45'S, 35°30'E (EAG), 9000 ft, Tony Acher, 17.11.1966

**rubrovermiculatus**, *Hyperolius rubrovermiculatus* Schiøtz, 1975: 154  
HT in ZMUC

**A/2076: 1 PT** adult ♂: Kenya: Kwale District, Kwale, Shimba Hills, 4°13'S, 39°25'E (EAG), A. Schiøtz, & A.D. MacKay, 19.05.1968

**A/788: 1 PT** adult ♀: Kenya: Kwale District, Shimba Hills, North Giriama Point, 4°13'S, 39°25'E (EAG), 1.-30.11.1968, D. Sheldrick

**septentrionalis**, *Africalus pygmaeus septentrionalis* Schiøtz, 1974: 15  
Current classification: Synonym of *Africalus stuhlmanni* Pfeffer, 1893: 99

**A/938/1: HT:** Kenya: Taita Taveta District, between Mti-to Andei and Ngulia Hills, 3°30'S, 38°30'E (EAG), 1.-31.12.1969, MacKay, A.D. & A.D.F.W.

**A/367: 1 PT:** Kenya: Taita-Taveta District, N of Voi, 3°30'S, 38°30'E (EAG), 14.-20.04.1967, MacKay, A.D. & A.D.F.W.

**A/938/2-8: 7 PT:** Kenya: Taita Taveta District, between Mti-to Andei and Ngulia Hills, 3°03'S, 38°12'E (EAG), 1.-31.12.1969, MacKay, A.D. & A.D.F.W.

**sheldricki**, *Hyperolius sheldricki* Duff-MacKay & Schiøtz, 1971: 1

**A/366/3: HT:** Kenya: North of Aruba Dam, Tsavo National Park (East), 3°18'S, 38°54'E, A.D. MacKay, & A. Schiøtz, 20.04.1967

**A/366/6 & 8: 2 PT:** Kenya: Taita-Taveta Dist., N of Voi, 3°18'S, 38°54'E, A.D. MacKay, & A. Schiøtz, 14.-29.04.1967

**A/929: 1 PT:** Kenya: Kilifi District, 15 km W of Kakoni, 3°14'S, 39°40'E, A.D. MacKay, 14.09.1969

**sylvaticus**, *Africalus sylvaticus* Schiøtz, 1974: 17  
Current classification: *Africalus stuhlmanni sylvaticus* Schiøtz, 1974  
HT in ZMUC

**A/3045/1-10: 10 PT:** Kenya: Kwale District, Kwale, 4°10'S, 39°10'E (EAG), A. Schiøtz, & A.D. MacKay, 19.05.1968

**viridis**, *Hyperolius viridis* Schiøtz, 1975: 110  
HT in ZMUC

**A/3000/1-4: 4 PT** ♂♂: Tanzania: 30 miles SW of Mbeya, 8°30'S, 34°00'E, A. Schiøtz, & A.D. MacKay, 04.02.1971

**A/3001/1-3: 3 PT** ♂♂: Tanzania: 30 miles N of Sumbawanga, 8°25'S, 31°50'E, A. Schiøtz, & A.D. MacKay, 01.02.1971

### Pyxicephalidae

**kinangopensis**, *Cacosternum kinangopensis* Channing & Schmitz, 2008: 76-77

**A/4372: HT** adult ♂: Kenya: Nyandarua District, North Kinangop Plateau, from a disused quarry near Murunguru village, 0°34'S, 36°29'E (GPS), 2434 m, A. Channing, 15.11.2005

**A/1387/1-8: 8 PT:** Kenya: North Kinangop, 0°36'S, 36°35'E, T. Madsen, 08.03.1983

### GYMNOPHIONA

#### Caciliidae

**niedeni**, *Boulengerula niedeni* Müller, Measey, Loader & Malonza, 2005: 39

**A/4294: HT** adult ♀: Kenya: Taita-Taveta District, Sagalla Hills, approx. 100 m behind the Matatu (bus) terminus at Mwalangi shopping centre, 03°30.76'S,

38°34.59'E (GPS), 1080 m, H. Müller & D. Mwaghania, 23.01.2004

**A/4295, A/4298/1-7: 8 PT:** Same locality as holotype, H. Müller & D. Mwaghania, 23.01.2004; P.K. Malonza, 26.04.2004

## REPTILIA

### SQUAMATA

#### Agamidae

*finchi*, *Agama finchi* Böhme, Wagner, Malonza, Lötters & Köhler, 2005: 144

**L/2534/2: HT ♂:** Kenya: Teso District, 11km E of Malaba, 0°34'N, 34°11'E (GPS), 1500 m, C. Bensch, B.A. Bwong, M. Hagen, V. Muchai and M. Peters, 12.10.2003

**L/2534/1, 3 & 6: 3 PT:** Same data as holotype

**L/2533/3: 1 PT:** Kenya: Teso District, 11 km E of Malaba, 0°34'N, 34°11'E (GPS), 1225 m, B. A. Bwong, S. Lötters and V. Muchai, 27.09.2003

#### Chamaeleonidae

*asheorum*, *Kinyongia asheorum* Necas, Sindaco, Kořený, Kopečná, Malonza & Modrý, 2009: 43  
HT in MCCI

**L/2699: 1 PT** adult ♀: Kenya: Marsabit District, Korante clearing, approx. 8 km West of South Horr on the upper part of Mount Nyiro, 2°07'57.4"N, 36°51'51.8"E (GPS), 2450 m, David Modrý & Jana Kopečná, 06.09.2003

**L/2595: 1 PT** subadult ♂: Kenya: Marsabit District, western slope of Mt. Nyiro, above Tuum, 02°08'56"N, 36°48'50"E (GPS), 2270 m, Roberto Sindaco & Luca Borghesio, 06.02.2004

*conirostratus*, *Chamaeleo conirostratus* Tilbury, 1998: 293–299  
Current classification: *Trioceros conirostratus* (Tilbury, 1998)

**L/1949: HT:** Sudan: SW Imatong Mountains, 4°06'N, 32°51'E (GE), Parker and Stubbs, 1.–31.12.1982

*marsabitensis*, *Chamaeleo marsabitensis* Tilbury, 1991: 159  
Current classification: *Trioceros marsabitensis* (Tilbury, 1991)  
HT in BMNH

**L/1920/1&2: 2 PT:** Kenya: Marsabit District, Marsabit Mountain Forest, NFD, 2°18'N, 37°58'E (GPS), 1250 m, Tilbury, C.R. & Sarah Tilbury, 21.05.1988

*xantholophus*, *Chamaeleo jacksonii xantholophus* Eason, Ferguson, & Hebrard, 1988: 586

Current classification: *Trioceros jacksonii xantholophus* (Eason, Ferguson & Hebrard, 1988)

**L/1796: HT** adult ♂: Kenya: Meru District, 3 km S of Meru, Town from farmland east of road to Nkubu (National Trunk Rd B6) in the vicinity of Gikumene Secondary School, 0°00'N, 37°50'E, Gary Furgerson W, J. Hebrard & J. Murphy, 07.01.1983

**L/1816/1-5, L/1817/7, L/1817/1-6, L/1816/6: 6 PT** adult ♂♂, **7 PT** adult ♀♀: Same data as holotype

#### Cordilidae

*beraduccii*, *Cordylus beraduccii* Broadley & Branch, 2002: 22  
HT in NMBZ

**L/2450/1-2: 2 PT:** Tanzania: Kitete District, Ndukusi Village (10 km SE of Lolkisale), Arusha Region, 3°50'S, 36°30'E (GPS), Joe Beraducci, 22.12.1999

#### Elapidae

*ashei*, *Naja ashei* Wüster & Broadley, 2007: 58–59

**S/3993: HT** adult ♀: Kenya: Malindi District, Watamu, 3°21'S, 40°01'E (GPS), Royjan Taylor, 15.01.2002 (maintained in captivity at Bio-Ken Snake farm until 29.09.2004)

#### Gekkonidae

*barbierii*, *Hemidactylus barbierii* Sindaco, Razzetti, Ziliani, Wasonga, Carugati & Fasola, 2007: 39  
HT adult ♀ in MBAP

**L/3054: 1 PT** adult ♀: Kenya: Marsabit District, 'Petri-fied' Forest 10 km inland from Allya Bay, 3°40'23"N, 36°19'43"E (GPS), Ziliani, Razzetti, Sindaco & Carugati, 06.08.2005

#### Viperidae

*desaixi*, *Atheris desaixi* Ashe, 1968: 53–55

**S/1626: HT** adult ♀: Kenya: Meru District, near Chuka, 0°20'S, 37°35'E, 1600 m, in rain forest, F. De Saix, 3.07.1967



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