A SUPPLEMENTARY CHECK-LIST OF DECAPODA, FRESH-WATER FISH, AMPHIBIA, REPTILES AND SMALL MAMMALS RECORDED IN THE KRUGER NATIONAL ARK

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Supplementary to the list of animals provided in "The Annual Report of the Biologist", ("Koedoe" No. 3, 1960, p. 1) the following is a list of new material collected and identified during the year 1959/1960.

A collection of Decapoda from the Kruger National Park was sent to Dr. A. D. Harrison of the National Institute for Water Research, for identification. The following systematic list was duly received:-

CLASS — CRUSTACEA

SUB-CLASS : MALACOSTRACA
DIVISION : EUCARIDA
ORDER : DECAPODA
SUB-ORDER : MACRURA

FAMILY : PALAEMONIDAE (Tribe : CARIDEA)
1. Macrobrachium lepidactylus Hilg. — Freshwater Crayfish.
   Sabie, Letaba and Olifants rivers.
   Olifants river below Gorge camp; Letaba river north of the new Olifants camp.

FAMILY : ATYIDAE (Tribe : CARIDEA)
   Tende river at Mabohlelele; Groot Letaba at Mahlangene and north of the new Olifants camp; Manzontonto river below Orpen dam; Bangu-poort and the Shingwedzi river at Shangoni and Nyarini.

SUB-ORDER : BRACHYURA

FAMILY : POTAMONIDAE (Tribe : BRACHYRHYNCHA)
1. Potamon calcarius Gordon — Lowveld River Crab.
   Sabie river; Mkhololo spruit; Ngirivane drinking hole; Leeupan; Skukuza kopjes; Rabelais dam; Mtomene and Nkayanene spruits; Godleni spruit.
2. Potamon warreni Calman — Red River Crab.
   Tsange dam; Letaba river.
VERTEBRATA

CLASS — TELEOSTOMI (OSTEICHTHYES)

SUB-CLASS : ACTINOPTERYGI
ORDER : CLUPEIFORMES
FAMILY : MORMYRIDAE
    No new mormyridae were recorded in Park waters during the year (1959).
ORDER : CYPRINIFORMES
SUB-ORDER : CYPRINIDI
FAMILY : CHARACIDAE
    No new characidae were recorded.
FAMILY : CYPRINIDAE
1. Barbus annectens* Gilchrist & Thompson — Striped Lowveld minnow or ghilliementjie.
    Present in all the river systems of the Park but not yet recorded for the Levubu river.
2. Barbus kerstenii* Peters — Kersten’s ghilliementjie.
    From the upper reaches of the Sabie near Phaben.
3. Barbus rapax Steindachner — Silverfish or Paper-mouth.
    Recorded from the Nkayeni waterhole in the Shingwedzi river and Ngwenu pool in the Mapongole river.
    So far only taken at Mapale waterhole in the Shingwedzi.
    Present in all the river systems of the Park.
    Taken from waterholes in the Mbyamide, Nwashitsaka, Manzentonto, Nwatimhir, Bubube, Shingwedzi, Mapongole. Mtjulu, Mlambane and Olifants rivers.

SUB-ORDER : SILURI
FAMILY : CLARIIDAE
    No new records.
FAMILY : SCHILBEIDAE
    No new records.
FAMILY : MOCHOCIDAE
    Present in all the main river systems i.e. the Levubu, Shingwedzi, Letaba, Olifants, Sabie and Crocodile rivers.
2. **Chiloglanis engiops** Crass — Spotted sucker-mouth catfish. Has a similar distribution pattern to the above species.

**ORDER: ANGUILLIFORMES**

**FAMILY: ANGUILLIDAE**

No new records.

**ORDER: CYPRINODONTIFORMES**

**FAMILY: CYPRINODONTIDAE**

No new records.

**ORDER: PERCIFORMES**

**FAMILY: CICHLIDAE**

No new records.

**FAMILY: GOBIIDAE**

1. **Platygobius aeneofuscus** (Peters).
   Recorded from the Levube river at Pafuri, Mashikiri waterhole and the Letaba river north of the new Olifants camp.

The specific names of types marked with an * are in some doubt as these are at present subjected to taxonomic review.

Nomenclatural changes incorporated in our catalogue system during the course of the year include the following:

**Accepted Terminology**

1. *Barbus marequensis* forma typica (Boulenger)
2. *Barbus marequensis* forma gunningi (Groenewald)
3. *Barbus marequensis* forma sector (Groenewald)
4. *Barbus natalensis* Castelnau
5. *Barbus afro-hamiltoni* (Crass)
6. *Clarias gariepinus* (Burchell)
7. *Petrocephalus catostoma* Günther
8. *Glossogobius giuris* (Hamilton & Buchanan)

**Obsolete Terminology**

1. *Barbus brucii* forma typica
   Boulenger
2. *Barbus brucii* forma gunningi
   Groenewald
3. *Barbus brucii* forma sector
   Groenewald
4. *Barbus marequensis* A. Smith
   *Barbus aureus* (Cope)
5. *Barbus hamiltoni* Gilchrist & Thompson
6. Transvaal Lowveld forms described as *Clarias mossambicus* (Peters)
7. *Petrocephalus stuhlmanni*
   Boulenger
8. *Gobius giuris* (Hamilton & Buchanan)
CLASS — AMPHIBIA (BATRACHIA)

Only a single species new to the Park was recorded during the year, but in view of the numerous nomenclatural changes proposed by Poynton in his revision of South African amphibian species, a complete amended list of genera and species previously recorded for the Park, is provided below, with locality records in the case of the new species.

SUB-CLASS : APSIDOSPONDYLI
SUPER-ORDER : SALIENTIA
ORDER : ANURA
SUB-ORDER — OPISTHOCEOLA
FAMILY : PIPIDAE
SUB-FAMILY : XENOPINAE


SUB-ORDER : PROCOELA
FAMILY : BUFONIDAE

   
   — *B. rangeri poweri* Hewitt

   
   — *B. maculatus* Hallowell

   
   — *B. regularis gutteralis* Power


SUB-ORDER : DIPLASIOCEOLA
FAMILY : RANIDAE
SUB-FAMILY : RANINAE

   
   — *Rana ornatissima* (Bocage).
   
   — *Pyxicephalus ruddi* (Boulenger).

   
   — Species referred to as *R. fuscigula* subsp. (Bocage) in Koedoe No. 3. Sub-genus — Ptychadena

   
   — Species referred to as *R. oxyrhynchus oxyrhynchus* A. Smith in Koedoe No. 3.

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   = Species referred to as *R. oxyrhynchus* subsp. in Koedoe No. 3.
5. Rana fasciata fasciata (Tschudi) — Long-toed or striped grass-frog.
6. Rana vernayi FitzSimons — Vernay’s grass-frog.
   = Species erroneously referred to as *R. mascareniensis* (Dumeril & Bibron) in Koedoe No. 3.
7. Pyxicephalus adspersus Tschudi — Lowveld bullfrog.
   = Species referred to as *P. delalandii* Tschudi in Koedoe No. 3.
8. Pyxicephalus delalandii subsp. (not Tschudi) — Delalande’s burrowing-
   frog.
   = Species referred to as *P. delalandii* Tschudi in Koedoe No. 3.
    = Pyxicephalus obtusus FitzSimons

**SUB-FAMILY : CACOSTERNINAE.**
1. Cacosternum boettgeri boettgeri (Boulenger) — Dainty frog.

**SUB-FAMILY : ARTHROLEPTINAE**
1. Phrynobatrachus natalensis (Smith) — Puddle frog.
2. Phrynobatrachus ukingensis mababiensis FitzSimons — Ngamiland
   puddle frog.

**SUB-FAMILY : HEMISINAE**
1. Hemisus marmoratus marmoratum (Peters) — Marbled or sharpnosed
   burrowing-frog.

**FAMILY : RHACOPHORIDAE**
1. Chiromantis xerampelina Peters — Giant or grey tree-frog.
2. Afrixalus brachycnemis brachycnemis (Boulenger) — Yellow-and-brown
   tree-frog.
   = Species erroneously referred to as *Afrixalus spinifrons* Cope in
   Koedoe No. 3.
   = Species referred to as *H. marmoratus* Rapp in Koedoe No. 3.
   Hyperolius marmoratus taeniatus Peters (Brown phase).
   = Species referred to as *H. rhodoscelis* (Boulenger) and Hyperolius sp.
   in Koedoe No. 3.
4. Hyperolius pusillus (Cope) — Pigmy rush-frog.
   = Species erroneously referred to as *L. johnstoni* (Boulenger) or *L.
   flavomaculatus* ( Günther) in previous yearly reports.
   Species referred to as *K. senegalensis senegalensis* (Duméril &  
   Bibron) in Koedoe No. 3.

**FAMILY:** MICROHYLIDAE

**SUB-FAMILY:** BREVICIPITINAE

1. *Breviceps adspersus adspersus* Peters — Transvaal blaasop or Jan  
   Blom.

**FAMILY:** PHRYNOMERIDAE

1. *Phrynomerus bifasciatus bifasciatus* (Smith) — Black-and-red rubber-  
   frog.

**CLASS:** REPTILIA

**ORDER:** SAURIA (LACERTILIA)

**SUB-ORDER 1:** ASCALOBOTA

**SECTION 1:** GEKKOTA

**FAMILY:** GEKKONIDAE

No new records.

**SECTION 2:** IGUANIA

**FAMILY:** AGAMIDAE

No new records.

**SECTION 3:** RHPTOGLOSSA

**FAMILY:** CHAMAEOLEONTIDAE

1. *Chamaeleo dilepis dilepis* (Leach) — Lowveld chameleon.  
   Nwambia; Shingwedzi; Pumbe; Nwanetzi drift (Letaba section).  
   The common form found more generally in the southern half of the  
   Park is *Chamaeleo dilepis var. quilensis* (Blocage).

**SUB-ORDER 2:** AUTARCHOGLOSSA

**SECTION 1:** SCINCOMORPHA

**FAMILY 1:** SCINCIDAE

1. *Scelotes bidigittatus* FitzSimons — Lowveld didactyle skink. Matukwa-  
   ne ridge; Gumbandevu; Dongadziba; Mashagadzi; Boyela windmill;  
   new Olifants restcamp; Ngirivane; near Olifantspoort.

**FAMILY 2:** GERRHOSAURIDAE

   A single specimen was collected at Skukuza.

**FAMILY 3:** FEYLINIIDAE

1. *Typhlosaurus cregoi cregoi* Boulenger — Striped burrowing or legless  
   skink.

2. *Typhlosaurus* sp. — Dark brown burrowing or legless skink. Commonly  
   found under stones in the sandveld around Punda Milia.
FAMILY 4: CORDYLIDAE
1. Cordylus laevigatus (FitzSimons) — Zoutpansberg girdled lizard. Ridge behind Punda Milia camp; Shipudze; Matukwane; Dongadziba.

FAMILY 5: LACERTIDAE
1. Nucras intertexta intertexta (A. Smith) — Smith’s spotted sandveld lizard. So far only found near Crocodile Bridge.

FAMILY 6: AMPHISBAENIDAE
1. Monopeltis capensis capensis A. Smith — Southern Worm-lizard. Between Olifants river causeway and Mangwa-induna; east of Machai pan; Nwambia firebreak roads; near Tambye crossing on the main road to Pafuri; Madziringwe.

SECTION 2: ANGUIMORPHA
FAMILY : VARANIDAE
No new records.

ORDER : SERPENTES (OPHIDIA)
FAMILY : TYPHLOPIDAE
No new records.

FAMILY 2: LEPTOTYPHLOPIDAE
1. Leptotyphlops longicauda (Peters) — Flesh-coloured thread-snake. 5 Miles down the Hlambamaduba loop to Malelane.

FAMILY 3: BOIDAE
SUB-FAMILY : PYTHONINAE
No new records.

FAMILY 4: COLUBRIDAE
SUB-FAMILY : COLUBRINAE (Solid-toothed snakes).
1. Boaedon fuliginosus fuliginosus (Boie) — Common house snake. Shingwedzi; Satara; Levubu riverbank at Pafuri; new Olifants camp; Matukwane drift; Skukuza; Pretoriuskop.

2. Philothamnus hoplogaster (Günther) — Green water snake. Nahpe dam; Tshokwane waterhole; Gondweni waterhole; Pukwane.

3. Philothamnus irregularis irregularis (Leach) — Eastern green water snake. A single specimen was obtained at Bangu poort.


5. Prosymna ambiguua stuhlmanni (Pfeffer) — Spotted shovel-nosed snake. 1 Mile east of Mtsawu drift (Hippopool road); Skukuza; Tshokwane.
Mahlangene.

Numbi gate.

**SUB-FAMILY: DASYPELTINAE**
No new records.

**SUB-FAMILY: BOIGINAE (Back-fanged snakes).**

A single specimen of this rare snake was collected at night in Satara restcamp.

2. *Hemirhagerrhis nototaenia nototaenia* (Günther) — Günther’s spotted or bark snake. 
Pafuri; Skukuza.

Hlahleni drift on the way to Gorge camp; Pafuri; Madziringwe fire-break; 4 miles north of the Sandriver causeway.

4. *Psammophis angolensis* (Bocage) — Angola or black-headed sand snake. 
Ridge behind Punda Milia camp (under loose boulder).

5. *Amblyodipsas microphthalmia* (Bianconi) — White-lipped snake. 
A very rare species of which a specimen was collected at Matukwane, Punda Milia area.

6. *Aparallactus guentheri* (Boulenger) — Günther’s centipede-eater. 
According to old records of the Transvaal Museum a few specimens were collected many years ago at Punda Milia and Malelane.

Pafuri; Tambye drift near Pafuri; Ngirivane. 
No new records.

**FAMILY 5: ELAPIDAE (Front-fanged snakes).**
No new records.

**FAMILY 6: VIPERIDAE**

1. *Atractaspis bibronii bibronii* (A. Smith) — Oviparous adder. 
Pafuri; Letaba rest-camp.
CLASS — MAMMALIA

SUB-CLASS : THERIA
INFRA-CLASS : EUTHERIA (PLACENTALIA)
ORDER 1 : INSECTIVORA
SUPER-FAMILY : CHRYSOCHLORIDEA
FAMILY : CHRYSOCHLORIDAE
   No new records.
SUPER-FAMILY : MACROSCELIDEA
FAMILY : MACROSCELIDIDAE
   1. Petrodromus tetradactylus Peters — Forest elephant shrew.
      A young animal was collected in the Msibit forest near Shashanga
dam and two adults at the foot of the ridge behind Punda Milia rest-
camp.
SUPER-FAMILY : SORICOIDEA
FAMILY : SORICIDAE
   1. Crocidura bicolor (Bocage) — Dwarf musk shrew.
      A single specimen was collected at Skukuza and skull fragments of
this species were found in owl pellets from Hape hut; Pafuri; a hollow
baobab tree along the Machindudzi firebreak road; Matupa cave;
Mbangari; Timbavati; Skukuza koppies; near Malahla-panga; Shilowa
cave.
   2. Crocidura cyanea infumata (Wagner) — Reddish-grey musk shrew.
      One specimen was obtained from Malelane and skull fragments in
owl pellets collected at the hollow baobab tree, Machindudzi firebreak.
   3. Crocidura hirta Peters — Reddish-brown musk shrew. Skull fragments
of these shrews were found in abundance in owl pellets obtained from
Hape hut; Pafuri; a hollow baobab tree along the Machindudzi fire-
break; Matupa cave; Mbangari; Timbavati; near Malahla-panga;
Skukuza koppies and Shilowa cave.
ORDER 2 : CHIROPTERA
SUB-ORDER 1 : MEGACHIROPTERA
FAMILY : PTEROPODIDAE
SUB-FAMILY : PTEROPODINAE
   1. Epomophorus crypturus Peters — Lesser epauletted fruit bat.
      On examination of the material collected in the Park it became appa-
rent that all specimens except one were of this species and not Epomo-
phorus wahlbergi wahlbergi as was at first presumed.
SUB-ORDER 2 : MICROCHIROPTERA

FAMILY : EMBALLONURIDAE
  1. Taphozous mauritianus Geoffroy — Tomb bat. 
     Collected at Malelane and Hartbeesfontein camp.

FAMILY : NYCTERIDAE
  No new species collected.

FAMILY : RHINOLOPHIDAE

SUB-FAMILY : RHINOLOPHINAE
  1. Rhinolophus darlingi K. Anderson — Darling’s leafnosed bat. 
     Skukuza koppies; Shipikane koppies; Mahlangene; Matupa cave and 
     Makahanja.
  2. Rhinolophus landeri lobatus Peters — Lesser leafnosed bat. 
     A single specimen was collected at the Ngirivane cave.

SUB-FAMILY : HIPPOSIDERINAE
  1. Hipposideros caffer caffer Sundevall — Cape leafnosed bat. 
     Tshokwane; Munweni cave; Bangu poort cave; Shaben kop cave; 
     Shingwedzi camp.

FAMILY : MOLOSSIDAE
  1. Tadarida (Chaerephon) limbata Peters — White-winged free-tailed 
     bat. 
     Numerous specimens were collected at Punda Milia.
  2. Tadarida (Mops) condylura A. Smith — Angola free-tailed bat. 
     Skukuza; Letaba and Shilowa cave.

FAMILY : VESPERTILIONIDAE

SUB-FAMILY : VESPERTILIONINAE
  1. Myotis (Selysius) tricolor Temminck — Cape hairy bat. 
     A single specimen was collected at Satara.
  2. Nycticeius (Scoteinus) schlieffeni australis Thomas & Wroughton — 
     Schlieffen’s dwarf house bat. 
     These tiny bats were collected at Nwambu windmill; Mahlangene; 
     Matiwa Tsuka; Mbyashishe; Punda Milia; Mbadze picket; Nkuanze and 
     Mlondozi picket.
  3. Scotophilus nigrita dingani A. Smith — Yellow house bat. 
     Semane windmill; Satara restcamp; Mavumbye and Pretoriuskop.

SUB-FAMILY : MINIOPTERINAE
  No new records.

SUB-FAMILY : KERIVOULINAE
  No new records.

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ORDER 5: LAGOMORPHA
FAMILY: LEPORIDAE
SUB-FAMILY: LEPORINAE
1. Lepus capensis aquilo Thomas and Wroughton — Mozambique hare. The specimen collected at Shingomene on the eastern boundary represents the first of its kind ever recorded for the Union of South Africa.

ORDER 6: RODENTIA
FAMILY: BATHYERGIDAE
1. Cryptomys hottentotus Roberts — Hottentot mole-rat. One specimen was collected near Nwanetzi west windmill. Other specimens collected at Letaba restcamp, Mashagadzi, Mahawane, Mahungumula and Shingwedzi have not been properly classified and may be of Cryptomys holosericeus (Wagner).

FAMILY: MURIDAE
SUB-FAMILY: MURINAE
1. Grammomys dolichurus Smuts — Forest mouse. So far only collected in the riverine forest at Pafuri.
2. Acomys cahirinus transvaalensis Roberts — Transvaal spiny mouse. A single specimen was collected at Punda Milia.

SUB-FAMILY: DENDROMURINAE
1. Dendromus mystacalis jimersoni Wroughton — Lesser climbing mouse. Collected between Babalala and Stangene on the main road to Punda Milia.

SUB-FAMILY: OTOMYINAE
1. Otomys tugelensis Roberts — Vlei Otomys. A specimen was collected at Stangene vlei on the main road to Punda Milia and skull fragments of this rodent were found in owl pellets from Matupa cave and Skukuza koppies.

SUB-FAMILY: GERBILLINAE
No new records, but the gerbil described as Tatera schinzi limpopoensis (Roberts) in Koedoe No. 3, is now known as Tatera leucogaster salsa Wroughton.