

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

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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.
2. *Macrobrachium equidens* Dana — Freshwater Prawn.  
Olifants river below Gorge camp; Letaba river north of the new Olifants camp.

FAMILY : ATYIDAE (Tribe : CARIDEA)

1. *Caridina nilotica* P. Roux — Freshwater Shrimp.  
Tende river at Mabohlelene; Groot Letaba at Mahlangene and north of the new Olifants camp; Manzentonto river below Orpen dam; Bangu-poort and the Shingwedzi river at Shangoni and Nyarini.

SUB-ORDER : BRACHYURA

FAMILY : POTAMONIDAE (Tribe : BRACHYRHYNCHA)

1. *Potamon calcaratus* Gordon — Lowveld River Crab.  
Sabie river; Mkohololo spruit; Ngirivane drinking hole; Leeupan; Skukuza koppies; 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 : ACTINOPTERYGII

ORDER : CLUPEIFORMES

FAMILY : MORMYRIDAE

No new mormyridae were recorded in Park waters during the year (1959).

ORDER : CYPRINIFORMES

SUB-ORDER : CYPRINI

FAMILY : CHARACIDAE

No new characidae were recorded.

FAMILY : CYPRINIDAE

1. *Barbus annectens*\* Gilchrist & Thompson — Striped Lowveld minnow or ghilliemientjie.  
Present in all the river systems of the Park but not yet recorded for the Levubu river.
2. *Barbus kerstenii*\* Peters — Kersten's ghilliemientjie.  
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 Ngwendu pool in the Mapongole river.
4. *Barbus rubellus* Crass — Red-eye ghilliemientjie.  
So far only taken at Mapale waterhole in the Shingwedzi.
5. *Barbus umbeluziensis*\* Groenewald — Umbeluzi ghilliemientjie.  
Present in all the river systems of the Park.
6. *Labeo darlingi*\* Boulenger — Darling's Mudfish.  
Taken from waterholes in the Mbyamide, Nwashitsaka, Manzentonto, Nwatimhiri, Bubube, Shingwedzi, Mapongole. Mtjulu, Mlambane and Olifants rivers.

SUB-ORDER : SILURI

FAMILY : CLARIIDAE

No new records.

FAMILY : SCHILBEIDAE

No new records.

FAMILY : MOCHOCIDAE

1. *Chiloglanis paratus* Crass — Dwarf sucker-mouth catfish.  
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 Levubu 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	Obsolete Terminology
1. <i>Barbus marequensis forma typica</i> (Boulenger)	1. <i>Barbus brucii forma typica</i> Boulenger
2. <i>Barbus marequensis forma gunningi</i> (Groenewald)	2. <i>Barbus brucii forma gunningi</i> Groenewald
3. <i>Barbus marequensis forma sector</i> (Groenewald)	3. <i>Barbus brucii forma sector</i> Groenewald
4. <i>Barbus natalensis</i> Castelnau	4. <i>Barbus marequensis</i> A. Smith <i>Barbus aureus</i> (Cope)
5. <i>Barbus afro-hamiltoni</i> (Crass)	5. <i>Barbus hamiltoni</i> Gilchrist & Thompson
6. <i>Clarias gariepinus</i> (Burchell)	6. Transvaal Lowveld forms described as <i>Clarias mossambicus</i> (Peters)
7. <i>Petrocephalus catostoma</i> Günther	7. <i>Petrocephalus stuhlmanni</i> Boulenger
8. <i>Glossogobius giuris</i> (Hamilton & Buchanan)	8. <i>Gobius giuris</i> (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 — OPISTHOCOELA

FAMILY : PIPIDAE

SUB-FAMILY : XENOPINAE

1. *Xenopus muelleri* (Peters). East African platanna.

SUB-ORDER : PROCOELA

FAMILY : BUFONIDAE

1. *Bufo regularis regularis* Reuss — Northern spotted toad.  
= *B. rangeri poweri* Hewitt
2. *Bufo pusillus* Mertens — Lesser striped toad.  
= *B. maculatus* Hallowell
3. *Bufo gutturalis* Power — Marbled toad.  
= *B. regularis gutturalis* Power
4. *Bufo carens* (A. Smith) — Red-backed toad.
5. *Bufo vertebralis fenoulheti* Hewitt & Methuen — Transvaal dwarf toad.  
Recently recorded in the Kruger National Park at Punda Milia, Shitso-kwene and the new Olifants camp.

SUB-ORDER : DIPLASIOCOELA

FAMILY : RANIDAE

SUB-FAMILY : RANINAE

1. *Rana ornata* (Peters) — Black-throated grass-frog.  
= *Rana ornatissima* (Bocage).  
= *Pyxicephalus ruddi* (Boulenger).
2. *Rana angolensis* Bocage — Transvaal river-frog.  
= Species referred to as *R. fuscigula* subsp. (Bocage) in Koedoe No. 3.  
Sub-genus — *Ptychadena*
3. *Rana oxyrhynchus* Smith — Sharp-nosed grass-frog.  
= Species referred to as *R. oxyrhynchus oxyrhynchus* A. Smith in Koedoe No. 3.

4. *Rana anchietae* Bocage — Long-legged grass-frog.  
= 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.
9. *Pyxicephalus natalensis* Smith — Natal burrowing-frog.
10. *Pyxicephalus marmoratus* Peters — Blunt-nosed burrowing-frog.  
= *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. *Hemisis marmoratum marmoratum* (Peters) — Marbled or sharp-nosed burrowing-frog.

FAMILY : RHACOPHORIDAE

1. *Chiromantis xerampelina* Peters — Giant or grey tree-frog.
2. *Afrivalus brachycnemis brachycnemis* (Boulenger) — Yellow-and-brown tree-frog.  
= Species erroneously referred to as *Afrivalus spinifrons* Cope in Koedoe No. 3.
3. *Hyperolius marmoratus taeniatus* Peters — Marbled rush-frog.  
= 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.
5. *Hylambates maculatus* Duméril — Red-legged pan-frog.
6. *Leptopelis mossambicus* Poynton — Mozambique tree-frog.  
= Species erroneously referred to as *L. johnstoni* (Boulenger) or *L. flavomaculatus* (Günther) in previous yearly reports.

7. *Kassina senegalensis* Girard — Senegal kassina.  
= 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 : RHIPTOGLOSSA

FAMILY : CHAMAELEONTIDAE

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. Matukwane ridge; Gumbandevu; Dongadziba; Mashagadzi; Boyela windmill; new Olifants restcamp; Ngirivane; near Olifantspoort.

FAMILY 2 : GERRHOSAURIDAE

1. *Gerrhosaurus nigrolineatus* (Hallowell) — Black-lined plated lizard.  
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.
4. *Philothamnus natalensis* (A. Smith) — Natal green water snake.  
Nwanetzi west windmill.
5. *Prosymna ambigua stuhlmanni* (Pfeffer) — Spotted shovel-nosed snake.  
1 Mile east of Mtsawu drift (Hippopool road); Skukuza; Tshokwane.

6. *Prosymna sundevallii sundevallii* (A. Smith) — Sundevall's shovel-nosed snake.

Mahlangene.

7. *Mehelya capensis capensis* (A. Smith) — File snake.

Numbi gate.

#### SUB-FAMILY : DASYPELTINAE

No new records.

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

1. *Chamaetortus aulicus aulicus* Günther — Günther's banded snake.

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.

3. *Rhamphiophis oxyrhynchus rostratus* Peters — Eastern hook-nosed snake.

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.

7. *Aparallactus lunulatus lunulatus* (Peters) — Banded centipede-eater.

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 Msimbit 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 firebreak; 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 apparent that all specimens except one were of this species and not *Epomophorus wahlbergi wahlbergi* as was at first presumed.

SUB-ORDER 2 : MICROCHIROPTERA

FAMILY : EMBALLONURIDAE

1. *Taphozous mauritanus* 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; Matiwotsuka; Mbyashishe; Punda Milia; Mbadze picket; Nkuane 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.

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, Mahewane, 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 jamesoni* 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.