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XII. On a Collection of Fishes, Batrachians, and Reptiles,
made by Mr. S. A. Neave in Rhodesia, North of
the Zambesi, with Field Notes by the Collector.

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(Communicated by Dr. W. E. Hoyle, F.R.S.E.)

Received and read March 26th, 1907.

All localities are *North Eastern Rhodesia* unless specially recorded otherwise. All fishes are from waters within the *Zambesi* watershed.

Feira at the junction of the Zambesi and Loangwa rivers.

Mezi River, a tributary of the left bank of the Loangwa, in Portuguese territory.

Mterize River, a tributary of the left bank of the Loangwa, in British territory.

The *Lukashashi River*, a big tributary of the R. bank of the Lusenfwa, which itself is a tributary of the Loangwa.

The *Msofu River*, a tributary of the Lusenfwa, on the Alala Plateau.

The *Kafulafuta River* is a tributary of the Kafue River.

The *Mbala Country* is some high open country to the S.E. of Petauke.

Petauke is the Government Station in the E. Loangwa district.

PISCES.

MORMYRIDÆ.

1. *Mormyrus longirostris*, Peters.

1071. Lukashashi River. September 9, 1905.

"Native name 'Mikupe.'"

June 12th, 1907.

CHARACINIDÆ.

2. *Hydrocyon lineatus*, Blkr.
03. Loangwa River. August, 1904
3. *Alestes imber*, Peters.
04. Loangwa River. August, 1904.

4. *Distichodus mossambicus*, Peters
05, 05'. Loangwa River. August, 1904.

CYPRINIDÆ.

5. *Labeo altiveilis*, Peters.
02. Loangwa River. August, 1904.
6. *Barbus eutaenia*, Blgr.
1075, 1076. Kafalafuta River, N.W. Rhodesia. October
17, 1905.
This species was known from Angola only.
"Native name, 'Matemba.'"

7. *Barbus decipiens*, Blgr.
K. Petauke. December 27, 1905.
"In the Petauke stream amongst the mountains."

8. *Barbus rhodesianus*, Blgr.
1093. Petauke. December 27, 1905.
"In the Petauke stream amongst the mountains
Native name, 'Nkulamawe.'"
Discovered by Mr. J. ff. Darling in the Salisbury
district of Mashonaland (cf. *P. Z. S.*, 1902, part 2, p. 14,
pl. 2, fig. 2).

9. *Barbus miolepis*, Blgr.

1094 and 14 others. Petauke. December 27, 1905.
This species was originally described (*Ann. Mus.
Conga, Zool.*, vol. 2, p. 31, pl. 9, fig. 1, 1902) from a single
specimen from the Yembe River (Ubanghi).
"In the Petauke stream amongst the mountains.
Native name 'Kolwela.'"

10. *Barilius neavii*, sp. n.

1092 and 10 others. Petauke. December 27, 1905.
Depth of body $3\frac{2}{3}$ to $4\frac{1}{3}$ times in the total length,
length of head $3\frac{1}{2}$ to 4 times. Snout obtusely pointed,
longer than the eye, which is 4 to $4\frac{1}{2}$ times in length of
head; mouth extending to below anterior third or centre
of eye; no barbels. Dorsal II 9—10, with straight or
convex upper border, nearly equally distant from the
head and from the root of the caudal fin; longest ray
 $\frac{2}{3}$ to $\frac{3}{4}$ length of head. Anal III—IV 11—12, with
produced anterior lobe, originating below middle of
dorsal; longest ray $\frac{3}{4}$ to $\frac{1}{2}$ length of head. Pectoral $\frac{5}{6}$ to $\frac{3}{4}$
length of head, reaching or nearly reaching root of
ventral. Caudal fin deeply forked, lower lobe longer than
upper. Caudal peduncle 2 to $2\frac{1}{2}$ times as long as deep.
Sq. 42—45 $\frac{7\frac{1}{2}}{4\frac{1}{2}}$, 3 between lateral line and ventral. Silvery,
brownish on the back; 8 or 9 blackish bars, or pairs of
bars on each side; the membrane between some or all of
the dorsal and anal rays black.

Total length 60 to 110 millimetres.
Distinguished from the closely allied *B. zambezensis*,
Peters, by the longer eye, the presence of 3 series of scales
between the lateral line and the ventral, the larger size,
and the coloration.

"Eleven specimens from a mountain stream near
Petauke, December 27, 1905. Native name, 'Menga.'"

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SILURIDÆ.

11. *Schilbe mystus*, L.

01. Loangwa River. August, 1904.

12. *Amphilius platycheir*, Günr.

Petauke. December 27, 1905.

"In the Petauke stream amongst the mountains."

CICHLIDÆ.

13. *Tilapia natalensis*, M. Web.

06. Loangwa River. August, 1904.

BATRACHIA.

BUFONIDÆ.

1. *Bufo regularis*, Reuss.

1072. Lukashashi River, N.E. Rhodesia. September

9, 1905.

1043. Petauke. February 21, 1905.

1050. Petauke. March 19, 1905.

1042. Petauke. February 20, 1905.

1045. Petauke. February 22, 1905.

1022. Mterize River, East Loangwa District. November

1, 1904.

1067. Mterize River, East Loangwa District. July 27,

1905.

1018. Mterize River, East Loangwa District. October

28, 1904.

2. *Bufo carens*, A. Smith.

1039. Petauke, East Loangwa District, N.E. Rhodesia.

January 26, 1905.

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ENGYSTOMATIDÆ.

3. *Phrynomantis bifasciata*, A Smith.

1083. Lukashashi River. November 22, 1905.

"Native name, 'Kambwali.'"

4. *Breviceps mossambicus*, Peters.

1019. Mterize River. October 30, 1904.

1084. Lukashashi River, N.E. Rhodesia. November

23, 1905.

RANIDÆ.

5. *Rana angolensis*, Bocage.

1091. Petauke. December 27, 1905.

1097. Petauke. January 2, 1906.

6. *Rana adspersa*, Bilir.

1007. Loangwa River. August 4, 1904.

1085. Lukashashi River. November 23, 1905.

"This large species seldom seen, owing to its burrowing habits. Chiefly confined to the large river valleys. Native name 'Chisi'. Eaten and considered a delicacy by some natives."

7. *Rappia cinciventris*, Cope.

1066. Mterize River. July 23, 1905.

"Native name, 'Kalamatira'. Apparently rather a scarce species in the country.

"The general name for all frogs and toads amongst the natives is 'Chuli'. They are much afraid of them."

REPTILIA.

CHELONIA.

TESTUDINIDÆ.

1. *Testudo pardalis*, Bell.

1012. Loangwa River. August 12, 1904.

1040. Petauke, N.E. Rhodesia. February 1, 1905.

2. *Cinixys belliana*, Gray.

1089. Petauke. December 8, 1905

PELOMEDUSIDÆ.

3. *Sternothærus sinuatus*, A. Smith.

1088. Petauke, N.E. Rhodesia. December 7, 1905.

4. *Sternothærus nigricans*, Donnd.

1078. Mosofu River. November 6, 1905.

1081. Near Chiwali's, Alala Plateau, N.W. Rhodesia. November 18, 1905.

The latter specimen may be referred to the typical form, the former to the *var. castanea*, Schw., as defined by Siebenrock (in Voeltzkow, "Reis. Ostafri." vol. 2, p. 34, 1906).

a. (1081) Length of shell, 90 millim.; width, 74; depth, 39. "Tympano-frontal" suture very short; suture between the humeral shields shorter than the intergular.

b. (1078) Length of shell, 100 millim.; width, 70; depth, 42. "Tympano-frontal" suture longer; suture between the humeral shields as long as the intergular.

According to Siebenrock, the true *S. nigricans* would be confined to the East Coast of Madagascar.

"Tortoises of various species are common in the country, especially during the rains. Native name, 'Furo.' Judging by the number of skeletons seen, large numbers must be eaten by the ground Hornbill (*Bucorvus caffer*)."

LACERTILIA.

GECOKONIDÆ.

5. *Lygodactylus capensis*. A. Smith.

G. Petauke. December, 1904—January, 1905.

6. *Pachydactylus bibronii*, A. Smith.

F. Petauke, East Loangwa District, N.E. Rhodesia. December, 1904—January, 1905.

1051. Petauke, East Loangwa District, N.E. Rhodesia. March 28, 1905.

AGAMIDÆ.

7. *Agama aculeata*, L.

1014. Mezi River, Portuguese East Africa. September 24, 1904.

8. *Agama mossambica*, Peters.

1017. Mterize River. October 26, 1904.

1027. Petauke. November 16, 1904.

1038. Petauke. January 20, 1905.

1070. Petauke. August 26, 1905.

9. *Agama atricollis*, A. Smith.

1028. Petauke. November 17, 1904.

VARANIDÆ

10. *Varanus albigularis*, Donnd.
1087. Bank of Loangwa. November 27, 1905.
"Native name, 'Mfumba.'"

11. *Varanus niloticus*, L.

1035. Petauke. December 22, 1904.
1058. Bank of Loangwa. June 8, 1905.
"Native name, 'Mbulu.'"
"The flesh of the *Varanus* is considered a great delicacy by the natives. Many small species of lizards are called 'Mtololiko' by the natives."

LACERTIDÆ

12. *Ichnotropis squamulosa*, Peters.
C. Petauke. February and March, 1905.
1057. Bank of Loangwa. June 6, 1905.

GERRHOSAUROIDÆ

13. *Gerrhosaurus major*, A. Dum.
1003. Near the Zambesi, Feira District. July 12, 1904.
14. *Gerrhosaurus nigrolineatus*, Hallow.
1032. Petauke. December 9, 1904.
1060. ? June 11, 1905.
1061. Ulungu Mountain. June 15, 1905.
15. *Gerrhosaurus flavigularis*, Wiegsm.
1064. Bank of Loangwa. July 11, 1905.

SCINCIDÆ

16. *Mabuia quinqueteniata*, L.
1090. Petauke. December 27, 1905.
A. Loangwa Valley. May and June, 1905.

17. *Mabuia varia*, Peters.

- D. Petauke. 1905.
D. Petauke. December, 1904—January, 1905.

18. *Mabuia striata*, Peters.

1095. Petauke. December 29, 1905.
E. Feira District. June—August, 1904.

19. *Ablepharus wahlbergii*, A. Smith.

- B, Bi, B.ii. Loangwa Valley. May and June, 1905.
B.iii. Petauke. 1905.

RHIPTOGLOSSA.

CHAMÆLEONTIDÆ

20. *Chamaeleon dilepis*, Leach.
1006. Zambesi River, near Feira. July 23, 1904.
1025. Petauke. November 11, 1904.

OPHIDIA.

TYRHIOPIDÆ

21. *Tyrhiops mucroso*, Peters.
H, Hi. Mezi River, Portuguese East Africa. Sept., 1904.
1030. Petauke. November 30, 1904.
"Native name 'Chulisi.'"

GLAUCONIIDÆ

22. *Glauconia longicauda*, Peters.
J. Ulungu Mountain. June 15, 1905.
"Native generic name for snakes 'Njoka.'"

23. *Glauconia nigricans*, Schleg.

- I. (5 individuals). Petauke. December, 1904—January, 1905.
I.i. Loangwa Valley. May 8—June 7, 1905.

BOIDE.

24. *Python sebae*, Gm.

1082. Lukashashi River. November 21, 1905.
1068. Petauke. August 7, 1905.

"Common in many places, though large individuals scarce. No. 1082 bought from a native, and said to have been killed by a leopard. Native name 'Nsarto.' Eaten by many natives."

COLUBRIDAE.

25. *Tropidonotus olivaceus*, Peters

1049. Petauke. March 16, 1905.

26. *Helicops bicolor*, Gthr.

1080. Alala Plateau, N.W. Rhodesia. November 16, 1905.
This snake was known from Angola only.

27. *Lycophidium capense*, A. Smith.

1011. Loangwa Valley. Portuguese East Africa.
August 22, 1904.

1079. Alala Plateau, N.W. Rhodesia. November 15, 1905.

28. *Chlorophis neglectus*, Peters.

1063. Bank of Loangwa. July 3, 1905.
1021. Mterize River. October 31, 1904.
1016. Mterize River. October 26, 1904.
1065. Mterize River. July 21, 1905.

"No. 1063 was dug out of a termite's nest in the height of the dry season, the ground being so hard that it could hardly have entered except during the previous rains."

29. *Philothamnus semivariegatus*, A. Smith.

1031. Petauke. December 7, 1904.
1041. Petauke. February 3, 1905.

30. *Coronella semionata*, Peters.

1015. Bank of Loangwa, Feira District. October 14, 1904.

31. *Prosymna ambigua*, Bocage.

1054. Mbala Country, East Loangwa District. May 6, 1905.

32. *Dasytelis scabra*, L.

1023. Mterize River. November 4, 1904.

33. *Tarbophis semiannulatus*, A. Smith.

1033. Petauke. December 10, 1904.
1036. Petauke. December 22, 1904.

34. *Leptodira hotamboeia*, Laur.

1020. Mterize River. October 30, 1904.
1024. Mterize River. November 4, 1904.
1008. Bank of Loangwa, Feira District. August 8, 1904.

35. *Rhamphiophis oxyrhynchus*, Reinh.

1037. Petauke. January 15, 1905.

36. *Psammodphis sibilans*, L.

1004. Near the Zambesi, Feira District. July 13, 1904.
1010. Loangwa Valley, Portuguese East Africa.
August 22, 1904.

37. *Thelotornis kirtlandii*, Hallow.

1009. Loangwa Valley, Portuguese East Africa.
August 20, 1904.
1005. Near the Zambesi, Feira District. July 15, 1904.
1069. Petauke. August 26, 1905.
"A very common species. Native name 'Kalaku-kwiti.'"

38. *Dispholidus typus*, A. Smith.

1047. Petauke. March 3, 1905.
1048. Petauke. March 5, 1905.
1096. Petauke. January 1, 1906.

39. *Aparallactus lunulatus*, Peters.

1059. Ulungu Mountain, W. Loangwa. June 11, 1905.

40. *Elapechis niger*, Gthr.

1053. Mbala Country, East Loangwa District. May 6, 1905.

41. *Naia nigricollis*, Reinh.

1002. Near the Zambesi, Feira District. July 11, 1904.
1100. Petauke. January 6, 1906.

VIPERIDÆ.

42. *Causus resimus*, Peters.

1044. Petauke. February 21, 1905.
1046? Petauke. February 25, 1905.

43. *Bitis arietans*, Merz.

1034. Petauke. December 16, 1904.
1055. Mbala Country. May 17, 1905.
"Common, especially in the lower country. Native name 'Kapiri.'"

44. *Bitis gabonica*, D. & B.

- 1074 and one other. Ndola, near Kafue River, N.W. Rhodesia. October 11, 1905.
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