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## List of the types of african freshwater fishes in the Amsterdam Zoological Museum, with notes on their synonymy

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The generic and specific names given in the following list are those used by the original author and also correspond to those on the specimen jar labels. These names are followed by their full synonymy, if any, the latest correct taxonomical designation for the species figuring as the last one on the list of synonyms. The appropriate bibliographic reference follows each name, including the original description as well as later authors responsible for taxonomical changes.

When the type material consisted of several specimens without designation of a holotype, a *lectoholotype* has been selected, usually on the basis of indications given by the author, such as the size of the largest specimen, notes given on jar labels, in the card index, illustrations, etc.

Whenever possible, the standard length (S.L.) and total length (T.L.) are given, in millimeters. Localities have been checked and carefully noted, as well as the museum register number (ZMA). All specimens are kept in alcohol. Unfortunately, Mr. J. J. HOEDEMAN, when in charge of the fish collections, seems to have sent type specimens as a gift to other museums and to fish collectors.

I have to express my thanks to Prof. Dr. H. ENGEL, director of the museum, who allowed me to examine all the african type material during my stay at the "Zoölogisch Museum". My thanks are also due to Mr. H. NIJSSEN for his help in checking the collections.

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Class: TELEOSTOMI

Order: CYPRINIFORMES

Family: CHARACIDAE

Genus: *Alestopetersius* HOEDEMAN, 1951 (*Beaufortia*, 1 — 3 : 6)

Genotype: *Alestopetersius hilgendorfi hilgendorfi* (BOULENGER, 1899)

(HOEDEMAN, *l.c.*: p. 7).

HOEDEMAN grouped species belonging to the genera *Petersius* HILGENDORF, 1894, *Phenacogrammus* EIGENMANN, 1907, and *Hemigrammopetersius* PELLEGRIN, 1925, under *Alestopetersius*. This was done on insufficient criteria, however, and did not take into account certain important characters. Therefore it cannot be considered valid.

1. *Alestopetersius hilgendorfi kribensis* HOEDEMAN, 1951 (*l.c.*: p. 7).  
= *Petersius hilgendorfi kribensis* (HOEDEMAN).

No type designed, no specimens present in the collections, no locality given; subspecies supposedly from the Kribi river, Cameroun.

2. *Alestopetersius (Petersialestes) xenurus tumbensis* HOEDEMAN, 1951 (*l.c.*: p. 8).

Amended to: *Phenacogrammus (Petersialestes) xenurus tumbensis* by HOEDEMAN in 1959 (*Aquariumvissen Encyclopedie*, 2nd. Ed., de Bezige Bij, Amsterdam: 559—560).

= *Hemigrammopetersius tumbensis* (HOEDEMAN).

Lectoholotype: 44 mm S.L. / 57 mm T.L., ZMA 100166, lake Tumba (Congo).

Lectoparatypes: 2 spec. 44/56 and 43/54 mm, ZMA 100166A, same data.

Collector: aquarium fish import; received from Mr. SPOELSTRA.

HOEDEMAN (*l.c.*: p. 1) states that he received 4 specimens so that one is missing from the collections. Examination of the other three shows that they all belong to the genus *Hemigrammopetersius* and thus cannot be a subspecies of *Petersius xenurus* BOULENGER, 1920, which is a synonym of *Petersius caudalis* BOULENGER, 1899. Moreover, the type locality is very doubtful, as no such species has been found in lake Tumba, the fauna of which I have intensively studied. No live fish have, to my knowledge, ever been collected there for overseas aquaria, this being a very remote region. On the other hand, these specimens closely resemble *Hemigrammopetersius duboisi* POLL, 1959, described from Stanley-Pool (Léopoldville), from where aquarium fishes are regularly imported. If HOEDEMAN's specimens indeed came from Stanley-Pool and should prove identical with *H. duboisi*, the specific name *tumbensis* must be considered most inappropriate.

Family: CITHARINIDAE

Genus: *Nannaethiops* GÜNTHER, 1871

Genotype: *Nannaethiops unitaeniatus* GÜNTHER, 1871

3. *Nannaethiops geisleri* HOEDEMAN, 1956 (*Die Aq. Terr. Zeitschr.-D.A.T.Z.* (9) 10 : 259—261).

= ? *Neolebias ansorgei* BOULENGER, 1912 (M. POLL & J. P. GOSSE, 1963, Révision des genres *Nannaethiops* et *Neolebias*. - *Ann. Mus. R. Afr. Centr.* (8°) Zool., 116 : 22—25).

Holotype: 20,4 / 24 mm, ZMA 100053, Congo basin.

Collector: Mr. GEISLER (aquarium import).

Paratypes: 3 spec. 26,2 / 29,8; 24,8 / 28,5; 19,7 / 23,5 mm, ZMA 101088, Boma region (Lower Congo).

Collector Mr. KRAMER.

Types missing; according to Mr. HOEDEMAN (personal communication) they should be in the collection, but under the ZMA numbers given to these types completely different fishes are entered in the registers and in the collection.

Family: CYPRINIDAE

Genus: *Labeobarbus* RÜPPEL, 1837

= *Barbus* CUVIER & CLOQUET, 1816 (G. A. BOULENGER 1911 *Cat. freshw.fishes Afr.*, 2 : 1, London).

4. *Labeobarbus nanningsi* DE BEAUFORT, 1933 (*Bull. Soc. Zool. Fr.*, 57, 6 : 493—495).

= *Barbus nanningsi* (DE BEAUFORT).

Holotype: 250 / 320 (316)<sup>1)</sup> mm, ZMA 100093, Portugese Angola, Lunda department<sup>2)</sup>.

Collector Mr. NANNINGS.

Genus: *Barbus* CUVIER & CLOQUET, 1816

Genotype: *Cyprinus barbuis* LINNAEUS, 1758

5. *Barbus anoplus* WEBER, 1897 (*Zool. Jahrb.*, Syst, 10 : 151).

Lectoholotype: 81 / ± 95 (100) mm, ZMA 100995, Buffels river, near Laingsburg (Cape).

Lectoparatypes: 146 spec. 69—19 / 83—24 mm, ZMA 100995A, same data.

<sup>1)</sup> New measurement.

<sup>2)</sup> As stated in the introduction and on the jar label, and not "Lindu dept." as written further on (p. 495).

“numerous” spec., ZMA 101348, brook near Fransch Hoek (Cape) and 11 spec., ZMA 101349, Klip river (Mambit riv.), near Ladysmith (Natal), are missing from the collection.

Collector: Prof. Dr. M. WEBER, 1894.

6. *Barbus viviparus* WEBER, 1897 (*l.c.*: 152).

Lectoholotype : (selected by Dr. P. H. GREENWOOD, 1962) 50 / 64 mm, ZMA 100539 (*ex*: 100981), Umhlasine brook, near Verulam (Natal).

Lectoparatypes: 3 spec. 44—18 / 56—23 mm, ZMA 100981, same data.

1 spec. (plus one larva) 41 / ?(caudal mutilated) mm, ZMA 100980, Umhloti river, near Verulam.

20 spec. 39—17 / 48—21 mm, ZMA 100989, same data.

\* 2 spec. 51—20 / 65—?(tail broken) mm, ZMA 100978, fresh water stream at Isipingo (Natal).

? spec., ZMA 100985, missing, only empty jar present, Umhloti river, at Verulam.

Collector: Prof. Dr. M. WEBER, 1894.

\* According to various indications, e.g. size and WEBER's written notes in the collection card system (“type”, as against the labels on the other jars, mentioning “types”, in the plural), the larger of these specimens should have been selected as lectoholotype.

7. *Barbus breijeri* WEBER, 1897 (*l.c.*: 154).

= *Bardus trimaculatus* PETERS, 1852 (G. A. BOULENGER, 1911, *Cat. freshw.fishes Afr.*, 2: 103).

Lectoholotype : 97 / 121 mm, ZMA 100257, Pretoria (Transvaal).

Lectoparatypes: \*3 spec. 95—71 / ± 115—91 mm, ZMA 100257A, same data.

Collector: Dr. BREIJER, 1895.

\* Should be 4 specimens, so that one is missing.

Family: CLARIIDAE

Genus: *Clarias* SCOPOLI, 1777

Genotype: *Clarias anguillaris* (LINNAEUS, 1762)

8. *Clarias theodora* WEBER, 1897 (*l.c.*: 150).

Holotype: 135 / 153 (150) mm, ZMA 100647, Umhloti river at Verulam (Natal).

Collector: Prof. Dr. M. WEBER, 1894.

Order: PERCIFORMES

Family: GOBIIDAE

Genus: *Gobius* LINNAEUS, 1758

Genotype: *Gobius niger* LINNAEUS, 1758

9. *Gobius dewaali* WEBER, 1897 (*l.c.*: 145).  
= *Gobius (Stigmatogobius) dewaali* WEBER, 1897.  
Lectoholotype: ?/41 mm, ZMA 103238, Umgeni river (Natal).  
Missing, replaced by a specimen measuring 21 / 26 mm,  
(in the holotype's jar).  
Lectoparatypes: 6 spec. 29—17 / 37—21 mm, ZMA 103239, Illovo  
river (Natal).  
2 spec., same data, in Rhodes University Museum,  
Grahamstown, South Africa (Dr. J. L. B. SMITH). —  
Exchange —.  
12 spec. 15—7 / 18—9 mm, ZMA 103240, Rhizo-  
phora swamp (Durban).  
2 spec., same data; — exchange — (in Grahamstown  
Museum).  
Collector: Prof. Dr. M. WEBER, 1894.

Family: CICHLIDAE

Genus: *Chromis* CUVIER, 1817

= *Tilapia* A. SMITH, 1840 (partim)

= *Haplochromis* HILGENDORF, 1888 (partim)

10. *Chromis natalensis* WEBER, 1897 (*l.c.*: 147).  
= *Tilapia natalensis* (WEBER), (G. A. BOULENGER, 1899, *Proc. Zool.  
Soc. Lond.*: 113).  
= *Tilapia mossambica* PETERS, 1852 (E. TREWAVAS, 1937, The fossil  
cichlid fishes of Dr. L. S. B. Leakey's expedition, *Ann. Mag. Nat. Hist.*  
(10) **19**: 383).  
Holotype: 80 / 105 (103) mm, ZMA 101440, mouth of the Illovo river  
(Natal).  
Paratypes: \* 5 spec. 83—37 / 107—47 mm, ZMA 101441, Illovo river  
(inland).  
Collector: Prof. Dr. M. WEBER, 1894.  
\* One specimen missing, should be 6, according to author's notes.
11. *Chromis (Ctenochromis) philander* WEBER, 1897 (*l.c.*: 148).  
= *Tilapia philander* (WEBER), (G. A. BOULENGER, 1899, *Proc. Zool.  
Soc. Lond.*: 136).

This species was mistakenly put into synonymy with *Haplochromis mof-fati* CASTELNAU, 1861, by G. A. BOULENGER (1915, *Cat. freshw. fishes Afr.*, 3 : 300).

= **Haplochromis philander philander** (WEBER), (E. TREWAVAS, 1936, Dr. Karl Jordan's expedition to South West Africa and Angola, *Novit. Zool.*, 40 : 73).

Lectoholotype: 51 / 65 mm, (brooding ♀), ZMA 100175, Umhlasine river, near Verulam (Natal).

Lectoallotype: 42 / 54 mm, (♂), ZMA 100175A, Umhloti river (Natal).

Lectoparatypes: 1 spec. 40 / 50 mm, (brooding ♀ with young; exhibit), ZMA 100175D, Umhloti river (at Verulam).

28 spec. 34—9 / 45—12 mm, ZMA 100175B, same data.

3 spec. 39—25 / 50—31 mm, ZMA 100175C, Umh-lasine river, at Verulam.

"Some spec.", ZMA 100175E, missing.

Collector: Prof. Dr. M. WEBER, 1894.

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