

4. *Marcusenius* (con.)
2. *sphaeroides*, Sauv. 1878.
 3. *brachistius*, Gill, 1863.
 4. *longianalis*, Blgr. 1901.
 5. *Kingsleyae*, Gthr. 1896.
 6. *Cabrae*, Blgr. 1900.
 7. *adspersus*, Gthr. 1863.
 8. *nigripinnis*, Blgr. 1899.
 9. *pukerulentus*, Blgr. 1899.
 10. *Lhuysii*, Stdr. 1870.
 11. *Ansorgii*, Blgr. 1905.
 12. *Isidori*, C. & V. 1846.
 13. *pauciradiatus*, Stdr. 1866.
 14. *Harringtoni*, Blgr. 1905.
 15. *Weeksi*, Blgr. 1902.
 16. *plagiostoma*, Blgr. 1898.
 17. *tumifrons*, Blgr. 1902.
 18. *Wierthi*, Blgr. 1898.
 19. *discothynechus*, Peters, 1852.
 20. *Petherica*, Blgr. 1898.
 21. *Budgeti*, Blgr. 1904.
 22. *psittacus*, Blgr. 1897.
 5. *Stomatohinus*, Blgr. 1898.
 1. *punctulatus*, Blgr. 1899.
 2. *Walteri*, Gthr. 1867.
 3. *humilis*, Blgr. 1899.
 4. *Corneti*, Blgr. 1899.
 5. *polylepis*, Blgr. 1899.
 6. *microps*, Blgr. 1898.
 6. *Myomyrus*, Blgr. 1898.
 7. *Gnathionemus*, Gill, 1863.
 1. *niger*, Gthr. 1866.
 2. *leopoldianus*, Blgr. 1899.
 3. *Bentleyi*, Blgr. 1897.
 4. *Pyckii*, Pelleg. 1904.
 5. *Livingstonii*, Blgr. 1898.
 6. *macrocephaloides*, Peters, 1852.
 7. *Moorti*, Gthr. 1867.
 8. *Lambourvi*, Pelleg. 1904.
 9. *fasciatus*, Pelleg. 1901.
 10. *pictus*, Marcus, 1864.
 11. *Schiltknechte*, Blgr. 1899.
 12. *cyprinoides*, L. 1766.
 13. *senegalensis*, Stdr. 1870.
 14. *Brugervii*, Pelleg. 1904.
 15. *angolensis*, Blgr. 1905.
 16. *Stanleyanus*, Blgr. 1897.
 17. *mento*, Blgr. 1890.
 18. *Montevii*, Gthr. 1873.
 19. *Petersii*, Gthr. 1862.
 20. *longibarbis*, Hils. 1888.
 21. *Gilli*, Blgr. 1904.
 22. *Ussheri*, Gthr. 1867.
 23. *Abadii*, Blgr. 1901.
 24. *Greshoffi*, Schiltk. 1891.
 25. *katsuwensis*, Blgr. 1899.
 26. *tanandua*, Gthr. 1864.

S. Cameroon to Congo.
Sierra Leone to Congo.
Lower Niger.
Old Calabar, Congo.
Mayumba.
Lagos, Congo.
Congo.
Senegal, L. Chad.
Angola.
Nile.
Angola.
White Nile.
Congo.
" "
" "
Zambesi, L. Nyassa.
White Nile, Blue Nile.
Lower Niger.
Congo.
Congo.
Ogowe.
Congo.
" "
" "
Congo.
Gambia.
Congo.
" "
" "
Rovuma.
Zambesi, Katunga.
S. Cameroon to Congo.
Congo.
Upper Nile, White Nile.
Congo.
Nile, L. Chad, Niger, Congo.
Senegal, Gambia, L. Chad.
Ivory Coast.
Angola.
Congo.
Liberia, Gaboon.
Congo.
Niger, Calabar, Congo.
Congo.
Lower Niger.
Liberia, Gold Coast.
Upper Niger.
Congo.
" "
Niger, Calabar, Congo.

7. *Gnathionemus* (con.)
27. *niger*, Blgr. 1898.
 28. *elephas*, Blgr. 1898.
 29. *rhynchophorus*, Blgr. 1898.
 30. *curvirostris*, Blgr. 1898.
 31. *ibis*, Blgr. 1902.
 32. *numenius*, Blgr. 1898.
 8. *Geomyomyrus*, Blgr. 1898.
 9. *Mormyrus*, L. 1766.
 1. *Hasseldquisti*, G. & V. 1846.
 2. *Anchieta*, Guim. 1884.
 3. *Lacerda*, Casteln. 1861.
 4. *Guentheri*, Blgr. 1898.
 5. *macrophthalmus*, Gthr. 1866.
 6. *ovis*, Blgr. 1898.
 7. *cassius*, Hasseld. 1757.
 8. *rupe*, C. & V. 1846.
 9. *niloticus*, Bl. 1801.
 10. *longirostris*, Peters, 1852.
 11. *Boze*, Pelleg. 1903.
 12. *kamume*, Forsk. 1775.
 13. *Hildebrandti*, Peters, 1882.
 14. *catbalus*, Blgr. 1898.
 15. *proboscirostris*, Blgr. 1898.
 16. *tenuirostris*, Peters, 1882.
 10. *Hyperopisus*, Gill, 1862.
 1. *bebe*, Lacep. 1803.
 2. *tenuicauda*, Pelleg. 1904.
 11. *Gymnarchus*, Cuv. 1829.
 1. *niloticus*, Cuv. 1829.
- Nile, L. Chad, Senegal to Congo.
Senegal.
Nile.
Nile, Congo, Zambesi, L. Mweru.
Congo.
Nile, L. Victoria, Wabi Shebelle.
Athi R. (Ukamba).
Congo.
" "
Congo.
Nile, L. Chad, Senegal, Gambia, Niger.
L. Chad.
White Nile, L. Chad,
Senegal to Niger.
- Fam. 3. NOTOPTERIDÆ.
1. *Notopterus*, Lacep. 1800.
 1. *ofer*, Gthr. 1868.
 2. *Xenomystus*, Gthr. 1868.
 1. *nigri*, Gthr. 1868.
- Gambia to Calabar, Congo.
Bahr el Gebel, Liberia to Congo.
- Fam. 4. OSTEOGLOSSIDÆ.
1. *Heterotis*, Cuv. 1829.
 1. *niloticus*, Cuv. 1829.
- Nile, L. Chad, Senegal, Gambia, Niger.
- Fam. 5. PANTODONTIDÆ.
1. *Pantodon*, Peters, 1876.
 1. *Buchholzi*, Peters, 1876.
- Low. Niger to Congo.
- Fam. 6. PHRACTOLEPIDIDÆ.
1. *Phractolepis*, Blgr. 1901.
 1. *Ansorgii*, Blgr. 1901.
- Low. Niger, Congo.
- Fam. 7. CLUPEIDÆ.
1. *Chupea*, L. 1766.
 1. *fuia*, Cuv. 1829.
- N. Africa.

2. *Pellomula*, Gthr. 1898.
 1. *vorax*, Gthr. 1868.
 2. *acutirostris*, Blgr. 1899.
 3. *Microthrissa*, Blgr. 1902.
 1. *Royana*, Blgr. 1902.
 4. *Odocoileus*, Blgr. 1899.
 1. *losera*, Blgr. 1899.
 5. *Pellana*, C. & V. 1847.
 1. *indica*, Swains. 1838.
 6. *Chanos*, Lacép. 1803.
 1. *mosambicus*, Peters, 1852.
 Fam. 8. SALMONIDÆ.
 1. *Salmo*, L. 1766.
 1. *trutta*, L. 1766.
 Fam. 9. CHROMIDÆ.
 1. *Cyprinia*, Blgr. 1901.
 1. *nilotica*, Blgr. 1901.
 Subord. II. OSTARIOPHYSI.
 Fam. 1. CHARACINIDÆ.
 1. *Sarcedoia*, Gthr. 1864.
 1. *odoi*, Bl. 1794.
 2. *Hydrocyon*, Cuv. 1817.
 1. *Forsskali*, Cuv. 1817.
 2. *lineatus*, Blkr. 1863.
 3. *vittiger*, Blgr. 1898.
 4. *goliath*, Blgr. 1898.
 5. *brevi*, Gthr. 1864.
 3. *Bryconanthops*, Gthr. 1873.
 1. *marakona*, Gthr. 1873.
 2. *Ysuar*, Blgr. 1899.
 4. *Alestes*, M. & T. 1846.
 1. *macrophthalma*, Gthr. 1867.
 2. *Liebrechtsii*, Blgr. 1898.
 3. *barnesii*, Joann. 1835.
 4. *dentic*, L. 1766.
 5. *Sukhtanui*, Pfeff. 1896.
 6. *Tholloni*, Pellegr. 1901.
 7. *intermedius*, Blgr. 1903.
 8. *nurse*, Rüpp. 1832.
 9. *humilis*, Blgr. 1905.
 10. *unberi*, Peters, 1852.
 11. *lateralis*, Blgr. 1900.
 12. *senegalensis*, Stdr. 1870.
 13. *Lenaurii*, Blgr. 1899.
 14. *natalensis*, Blgr. 1904.
 15. *longipinnis*, Gthr. 1864.
 16. *Chapevi*, Sauv. 1882.

Senegal to Congo.
Congo.
Congo.
Congo.
Kingani*.
Quisonga (Mozambique).
Atlas of Algeria.
White Nile.
Nile, Senegal, Niger.
Blue Nile, White Nile, Liberia, Niger,
Congo, L. Tanganyika and Mweru,
Zambesi, Limpopo, L. Ngami (f).
Congo.
Nile, L. Chad, Senegal, Gambia.
Cameroun, Congo.
Gaboon to Congo, L. Tanganyika,
L. Mweru.
Nile, L. Rudolf, L. Chad, Senegal to
Niger.
Nile, L. Chad, Senegal to Niger.
Kingani.
Congo.
Cameroun.
Angola.
Wami to Zambesi, Angola.
L. Dilolo, G. Africa.
Senegal.
L. Mweru.
Sierra Leone to Congo.
Gold Coast.

4. *Alestes* (con.).
 17. *affinis*, Gthr. 1894.
 18. *tenius*, Gthr. 1867.
 19. *Fuchsii*, Blgr. 1899.
 20. *bimaculatus*, Blgr. 1899.
 21. *Kingsleyae*, Gthr. 1893.
 22. *opisthotemus*, Blgr. 1903.
 23. *brevi*, Blgr. 1903.
 24. *macrocephalus*, C. & V. 1849.
 25. *grandisquamis*, Blgr. 1899.
 26. *Batesii*, Blgr. 1903.
 5. *Microlestes*, Blgr. 1899.
 1. *acutidens*, Puss. 1852.
 2. *humilis*, Blgr. 1899.
 3. *holargyreus*, Gthr. 1873.
 4. *altus*, Blgr. 1899.
 5. *Stormi*, Blgr. 1902.
 6. *interruptus*, Blgr. 1899.
 6. *Petersius*, Hilgand. 1894.
 1. *conservatus*, Hilgand. 1894.
 2. *occidentalis*, Gthr. 1899.
 3. *caudalis*, Blgr. 1899.
 4. *Leopoldianus*, Blgr. 1899.
 5. *Hilgendorfi*, Blgr. 1899.
 6. *modestus*, Blgr. 1899.
 7. *major*, Blgr. 1903.
 7. *Eugnathichthys*, Blgr. 1898.
 1. *Etweldii*, Blgr. 1898.
 2. *macroceratops*, Blgr. 1899.
 8. *Parephago*, Blgr. 1899.
 1. *rostratus*, Blgr. 1899.
 9. *Mesoborus*, Pellegr. 1900.
 1. *crocodilus*, Pellegr. 1900.
 10. *Phago*, Gthr. 1865.
 1. *loriatus*, Gthr. 1865.
 2. *intermedius*, Blgr. 1899.
 3. *Boulengeri*, Schlith. 1891.
 11. *Neoborus*, Blgr. 1899.
 1. *ornatus*, Blgr. 1899.
 2. *quadrimaculatus*, Pellegr. 1904.
 12. *Ickhyoborus*, Gthr. 1864.
 1. *besse*, Joann. 1835.
 13. *Hemistichodus*, Pellegr. 1901.
 1. *Vallanti*, Pellegr. 1901.
 14. *Namwelthops*, Gthr. 1871.
 1. *urkeniatus*, Gthr. 1871.
 15. *Nealeias*, Stdr. 1894.
 1. *univittatus*, Stdr. 1894.
 2. *trilineatus*, Blgr. 1899.
 16. *Distichodus*, M. & T. 1845.
 1. *notospilus*, Gthr. 1867.
 2. *affinis*, Gthr. 1873.
 3. *altus*, Blgr. 1899.
 4. *nobeli*, Blgr. 1899.
 5. *hypostomatus*, Pellegr. 1900.

Webi Shebéli to Tana.
Cameroun, Gaboon.
Congo.
Ogowe.
Cameroun.
Gold Coast, Lagos.
Nile, L. Chad, Senegal to
Ogowe, L. Tanganyika.
Congo.
Cameroun.
Nile, Ono, Niger, Congo, Rovuna,
Zambesi.
Congo.
"
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"
Kingani.
Gold Coast.
Congo.
"
"
Cameroun.
Congo.
"
Congo.
Congo.
W. Africa.
Congo.
"
Congo.
Casamansa.
Nile, White Nile, L. Chad.
Ogowe.
White Nile, Gold Coast to Congo.
Liberia, Cameroun.
Congo.
Cameroun to Congo.
Congo.
L. Chad, Congo.
Congo.
Ogowe.

Labeo (con.).

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| 6. <i>maculatus</i> , Blgr. 1898. | Congo. |
| 7. <i>Petersi</i> , Pfeff. 1896. | Kingani R. |
| 8. <i>Antoni</i> , Schilth. 1891. | Congo. |
| 9. <i>atroventralis</i> , Blgr. 1898. | " |
| 10. <i>fasciolatus</i> , Blgr. 1898. | " |
| 11. <i>moscambicus</i> , Peters, 1852. | Zambsesi. |
| 12. <i>brevinervis</i> , Gthr. 1864. | White Nile, L. Chad, Senegal, Niger. |
| 13. <i>roschatus</i> , Gthr. 1864. | Nile, L. Chad, Senegal, Niger. |
| 14. <i>niloticus</i> , L. 1766. | Nile, White Nile, L. Rudolf. |
| 15. <i>enigcephalus</i> , Gthr. 1864. | Nile, Nile, Blue Nile, Niger. |
| 16. <i>sexfasciatus</i> , Blgr. 1897. | Congo. |
| 17. <i>lusosio</i> , Schilth. 1891. | " |
| 17. <i>Nannocharax</i> , Gthr. 1867. | Congo. |
| 1. <i>brevis</i> , Blgr. 1902. | Gold Coast, Gaboon, Congo. |
| 2. <i>fasciatus</i> , Gthr. 1867. | Cameroun. |
| 3. <i>internectus</i> , Blgr. 1903. | Nile, White Nile, |
| 4. <i>niloticus</i> , Joann. 1885. | Congo. |
| 5. <i>elongatus</i> , Blgr. 1900. | " |
| 6. <i>tenia</i> , Blgr. 1902. | Casamanza. |
| 7. <i>dimidiatus</i> , Pellegr. 1904. | Cameroun to Congo. |
| 18. <i>Xenocharax</i> , Gthr. 1867. | Congo. |
| 1. <i>spurius</i> , Gthr. 1867. | Low. Niger. |
| 2. <i>crassus</i> , Pellegr. 1900. | Nile, L. Chad, Senegal, Gambia, Niger. |
| 19. <i>Cytharidium</i> , Blgr. 1902. | Congo. |
| 1. <i>Ansorgii</i> , Blgr. 1902. | " |
| 20. <i>Cythrurus</i> , Cuv. 1817. | Nile, Senegal, Niger, Kingani (?). |
| 1. <i>citharus</i> , Geoffr. 1809. | Congo, Togo. |
| 2. <i>congruus</i> , Blgr. 1897. | |
| 3. <i>macrolepis</i> , Blgr. 1899. | |
| 4. <i>latus</i> , M. & T. 1845. | |
| 5. <i>gibbosus</i> , Blgr. 1899. | |

1. *Labeo*. Cuv. 1817.

1. *nitidus*, Forsk. 1775.
 2. *harte*, Heckl. 1846.
 3. *Steindachneri*, Pfeff. 1896.
 4. *altivexs*, Peters, 1852.
 5. *Rose*, Sidr. 1894.
 6. *mesops*, Gthr. 1898.
 7. *lineatus*, Blgr. 1898.
 8. *velifer*, Blgr. 1898.
 9. *longipinnis*, Blgr. 1898.
 10. *cozbiei*, Rupp. 1832.
 11. *congoro*, Peters, 1852.
 12. *Gregorii*, Gthr. 1894.
 13. *Neonanni*, Blgr. 1903.
 14. *Darlingi*, Blgr. 1902.
 15. *victorinus*, Blgr. 1901.
 16. *Fuellebornii*, Hflg. & Fappenh. 1903.
 17. *cyclorhynchus*, Blgr. 1899.
 18. *fadapinnis*, Blgr. 1903.
 19. *Kirihai*, Blgr. 1903.
 20. *Forskalti*, Rupp. 1835.
 21. *cylindricus*, Peters, 1852.

1. *Labes* (con.).
22. *nascosoma*, Blgr. 1898.
23. *nasus*, Blgr. 1899.
24. *Greenii*, Blgr. 1902.
25. *brachypoma*, Gthr. 1868.
26. *carnedens*, Blgr. 1903.
27. *chariensis*, Pellegr. 1904.
28. *Lakula*, Blgr. 1902.
29. *parvus*, Blgr. 1902.
30. *barbatus*, Blgr. 1898.
31. *capensis*, A. Smith, 1841.
32. *unbratus*, A. Smith, 1841.
2. *Discoagarathus*, Heck. 1843.
1. *dembensis*, Rüpp. 1897.
2. *Jobstoni*, Blgr. 1901.
3. *Vinciguerrae*, Blgr. 1901.
4. *Blanfordii*, Blgr. 1901.
5. *Hindii*, Blgr. 1905.
6. *malensis*, Blgr. 1903.
7. *quadriraculatus*, Rüpp. 1897.
3. *Varicorhinus*, Rüpp. 1897.
1. *beso*, Rüpp. 1897.
2. *tunginica*, Blgr. 1900.
3. *maroccanus*, Gthr.
4. *Barbus*, Cuv. 1817.
1. *callensis*, C. & V. 1842.
2. *nasus*, Gthr. 1868.
3. *sewa*, Peters. 1864.
4. *settimensis*, C. & V. 1842.
5. *Vinciguerrae*, Pfeff. 1896.
6. *Welschschii*, Gthr. 1868.
7. *Matlozi*, Guimar. 1884.
8. *argentatus*, Gthr. 1868.
9. *karamani*, Casteln. 1861.
10. *macropristis*, Blgr. 1904.
11. *tolensis*, Gthr. 1894.
12. *pulcherrimus*, Peters. 1862.
13. *longicauda*, Blgr. 1905.
14. *thikensis*, Blgr. 1905.
15. *Pfefferi*, Blgr. 1905.
16. *tetrastichus*, Pfeff. 1896.
17. *senzabaravica*, Peters. 1868.
18. *Neunagari*, Fisch. 1894.
19. *carpio*, Pfeff. 1894.
20. *Peracachi*, Blgr. 1903.
21. *hantiensis*, Blgr. 1903.
22. *laticeps*, Pfeff. 1893.
23. *Kerstneri*, Peters. 1868.
24. *sabino*, Pfeff. 1896.
25. *Kessleri*, Stdr. 1866.
26. *eutenia*, Blgr. 1904.
27. *holotenia*, Blgr. 1904.
28. *serriker*, Blgr. 1900.
29. *Asoroyi*, Blgr. 1904.
- Congo. " " Lagos, Gold Coast. Cameroon. L. Chad. Congo. " " Orange R., Limpopo R. Orange R. L. Tsana, Nairobi R. (Kilimandjaro) L. Victoria. Upp. Nile, White Nile. Eastern watershed of Abyssinia, Erythraea. Nyiro R. Maki R. (Lake Zwai). L. Tsana, Ilawash R. L. Tsana, Athara R., Hawash R. L. Tanganyika. Morocco. Morocco, Algeria, Tunisia. Oliphants R. Morocco, Algeria, Tunisia. Wembere R. (Usambara). L. Rukwa (?). Angola. " " Kuruman R. L. Victoria. Taita district, inland of Mombasa. Hawash to Zambesi, Durban. Mozambique. Thika (Tana System). Unyaueesi district and Kingini. Upp. Iauri (Congo System). Mombasa. Nguruman (Masai district). L. Albert. Nairobi (Rufu). Lumi (Rufu). Wami R. Between Mombasa and Kilimandjaro. Pangani. Angola. " Cameroon to Congo. L. Tanganyika. Angoka.

¹ *B. albus*, Pfeil. 1896, nec Gthr.

7. *Alburnus*, Hoek. 1843.
 1. *callensis*, Guich. 1850.
8. *Leptocyprie*, Blgr. 1900.
 1. *modestus*, Blgr. 1900.
9. *Barilius*, Ham. Buch. 1822.
 1. *niloticus*, Joann. 1835.
 2. *Weckeri*, Blgr. 1899.
 3. *longirostris*, Blgr. 1902.
 4. *microlepis*, Gthr. 1864.
 5. *tanganyika*, Blgr. 1900.
 6. *microcephalus*, Gthr. 1864.
 7. *Gruntheri*, Blgr. 1896.
 8. *senegalensis*, Sldr. 1870.
 9. *Leati*, Blgr. 1901.
 10. *Kingsleyae*, Blgr. 1899.
 11. *Buchholzi*, Peters. 1870.
 12. *Moorii*, Blgr. 1900.
 13. *ubungensis*, Pellegr. 1901.
 14. *Weynsii*, Blgr. 1899.
 15. *zambesensis*, Peters. 1868.
 16. *sardella*, Gthr. 1868.
10. *Chelethops*, Blgr. 1899.
 1. *bibae*, Joann. 1835.
 2. *elongatus*, Blgr. 1899.
11. *Nebola*, Vincig. 1895.
 1. *Bottegi*, Vincig. 1895.
 2. *argentea*, Pellegr. 1904.
12. *Nemachilus*, Hass. 1823.
 1. *abyssinicus*, Blgr. 1902.

Fam. 3. SILURIDÆ.

1. *Clarias*, Grob. 1781.
 1. *lazeri*, C. & V. 1840. Syria, Nile, L. Albert Edward, L. Victoria, Senegal, Niger, L. Chad, Congo, L. Ngami (?).
 2. *Moorii*, Blgr. 1901. L. Albert.
 3. *mosambicus*, Peters. 1852. Mozambique, L. Rakwa.
 4. *Robecchi*, Vincig. 1893. Abyssinia to Zanzibar, L. Tanganyika.
 5. *Pinciguerra*, Blgr. 1902. L. Tanganyika.
 6. *senegalensis*, C. & V. 1840. Hawaii.
 7. *Dudgetti*, Blgr. 1900. Senegal, Niger, Gambia.
 8. *angulatus*, L. 1766. Nile, White Nile.
 9. *capensis*, C. & V. 1840. Cape of Good Hope.
 10. *garipinus*, Burch. 1822. Zambesi and Katanga to Orange R. and Natal.
 11. *tseneris*, Blgr. 1902. L. Tsana.
 12. *locephalus*, Blgr. 1898. L. Tanganyika.
 13. *longiceps*, Blgr. 1899. Congo.
 14. *submarginatus*, Peters. 1882. Gaboon (?).
 15. *breviceps*, Blgr. 1900. Mayumba.
 16. *platycephalus*, Blgr. 1902. Congo.
 17. *angolensis*, Sldr. 1866. L. Niger to Angola.
 18. *liberensis*, Sldr. 1894. Liberia, Sierra Leone, Cameroon, Benito R.

1. *Clarias* (con.).
 19. *Walkerii*, Gthr. 1893. Cameroon, Gabcon, Ogowee.
 20. *bythipogon*, Sauv. 1878. Calabar to Congo.
 21. *macromystus*, Gthr. 1864. Gambia.
 22. *Duneri*, Sldr. 1866. Angola.
 23. *Carsonii*, Blgr. 1903. L. Victoria, N. Nyassaland.
 24. *keniceps*, Gill. 1862. Gold Coast.
 25. *pachymenia*, Blgr. 1903. Cameroon.
 26. *Buettikoferi*, Sldr. 1894. Liberia.
 27. *Salce*, Hubr. 1881. Natal.
 28. *Theodore*, M. Web. 1897. Congo.
 29. *amplexicauda*, Blgr. 1902. Congo.
 30. *Aladenichelys*, Blgr. 1902. Cameroon.
 1. *brevior*, Blgr. 1903. "
 2. *longicauda*, Blgr. 1902. Congo.
 3. *Clariellabes*, Blgr. 1900. Congo.
 4. *Gymnallabes*, Gthr. 1867. Low. Niger, Old Calabar.
 5. *Channalabes*, Gthr. 1873. Congo, Angola.
 6. *Heterobranchius*, Geoffr. 1809. Nile.
 2. *bicoloratus*, I. Geoffr. 1827. Nile, L. Chad, Senegal, Niger.
 3. *longifilis*, C. & V. 1840. Nile.
 4. *laticeps*, Peters. 1852. Congo, Mozambique.
 5. *isopterus*, Blgr. 1863. Gold Coast.
 7. *Phosus*, Lacép. 1803. Zanzibar, Madagascar *.
 8. *Eutropius*, M. & T. 1849. Congo.
 1. *congolensis*, Leach. 1818. C. Chad, Congo.
 2. *Grenfellii*, Blgr. 1900. Senegal, Cameroon.
 3. *Adamsii*, C. & V. 1839. Liberia, Gaboon, Ogowee.
 4. *liberensis*, Hubr. 1881. Liberia to Congo.
 5. *abysinnis*, Sldr. 1894. Nile, Niger, Old Calabar.
 6. *niloticus*, Rüpp. 1829. Kwana R. (Angola).
 7. *Bocagni*, Guimar. 1882. Congo.
 8. *Debanui*, Blgr. 1900. Gold Coast, Cameroon.
 9. *mentalis*, Blgr. 1901. Juba, Tana, Zambesi, Katanga, Lampopo.
 10. *depressirostris*, Peters. 1852. Liberia, Gold Coast.
 11. *monibularis*, Gthr. 1867. Kingani R.
 12. *Mabii*, Pfeff. 1896. Congo.
 13. *laticeps*, Blgr. 1899. "
 9. *Schilbe*, Cuv. 1817.
 1. *uranoscopus*, Rüpp. 1832. Nile.
 2. *Ehuni*, Pfeff. 1895. Uniamwesti Country.
 3. *mystus*, L. 1766. Nile, L. Chad, Niger to Congo, L. Mweru, L. Rakwa.
 4. *senegalensis*, C. & V. 1839. Senegal, Gambia, Niger, Upp. Zambesi.
 10. *Silurimodon*, Blgr. 1858.
 1. *auratus*, Geoffr. 1809. Low. Nile.
 11. *Physalia*, Blgr. 1901.
 1. *pellucida*, Blgr. 1901. Upp. Nile.
 2. *somulensis*, Vincig. 1897. Ghana (Upp. Juba).
 3. *occidentalis*, Pellegr. 1901. Ogowee.

12. *Parailia*, Blgr. 1899.
1. *congrua*, Blgr. 1899.
2. *longifolia*, Blgr. 1902.
13. *Bagrus*, Cuv. 1817.
1. *bayal*, Forsk. 1775.
2. *tristigma*, Vincip. 1895.
3. *orientalis*, Blgr. 1902.
4. *docuac*, Forsk. 1775.
5. *ubangensis*, Blgr. 1902.
6. *meridionalis*, Gthr. 1894.
14. *Clavates*, Blgr. 1858.
1. *laticeps*, Rüpp. 1829.
15. *Chrysichthys*, Blgr. 1858.
1. *foveatus*, Gthr. 1864.
2. *slaripi*, Blgr. 1901.
3. *Cranchii*, Leach. 1818.
4. *ornatus*, Blgr. 1902.
5. *myriodon*, Blgr. 1900.
6. *brachymenia*, Blgr. 1900.
7. *punctatus*, Blgr. 1899.
8. *Delhezi*, Blgr. 1899.
9. *Waganaui*, Blgr. 1899.
10. *auratus*, I. Geoffr. 1829.
11. *cameronensis*, Gthr. 1899.
12. *Buchilgeri*, Stdr. 1894.
13. *Walkeri*, Gthr. 1899.
14. *coriscanus*, Gthr. 1899.
15. *Kingsleyae*, Gthr. 1899.
16. *nigrodigitatus*, Lacep. 1803.
17. *nigrita*, Lacep. 1803.
18. *acutirostris*, Gthr. 1864.
19. *brevibarbis*, Blgr. 1899.
20. *longibarbis*, Blgr. 1899.
16. *Gephyroglanis*, Blgr. 1899.
1. *congruus*, Blgr. 1899.
2. *Slateri*, Blgr. 1901.
3. *cyaneus*, Pellegr. 1900.
4. *longipinnis*, Blgr. 1899.
17. *Lamunema*, Sauv. 1884.
1. *horbatica*, Sauv. 1884.
18. *Anphilius*, Gthr. 1864.
1. *uranoscopus*, Pfeff. 1880.
2. *grandis*, Blgr. 1905.
3. *platychir*, Gthr. 1864.
4. *longirostris*, Blgr. 1901.
5. *atesuensis*, Blgr. 1904.
6. *brevis*, Blgr. 1902.
7. *angustifrons*, Blgr. 1902.
19. *Leptoglanis*, Blgr. 1902.
1. *zeugomphus*, Blgr. 1902.
20. *Auchenoglanis*, Gthr. 1865.
1. *biscutatus*, I. Geoffr. 1829.
2. *occidentalis*, C. & V. 1840.
- Low. Niger, Congo.
Nile, L. Chad, Senegal, Niger.
Ghana (Upp. Juba).
Pangani.
Nile.
Congo.
Upp. Shiré.
Upp. Nile, White Nile, Bahr el Jebel,
L. Chad, Juba, Tana, Niger.
Senegal to Congo.
Congo, L. Tanganyika.
Congo.
L. Tanganyika.
" Congo.
" "
Nile, L. Chad, Niger, Gold Coast.
Gambia, Cameroon.
Liberia, Gold Coast, Niger.
Gold Coast.
Corisco Island.
Ogowe.
Senegal, Gambia, Niger.
Senegal.
Angola.
Congo.
" "
Congo.
Vaal R.
Ogowe.
Cameroon to Congo.
Madagascar, Mauritius.
Upper ranges of Wani R.
Head-waters of Tana System.
Head-waters of Rufta R., between
L. Tanganyika and L. Nyassa,
Sierra Leone (?).
S. Cameroon.
Gold Coast.
S. Cameroon, Congo.
Congo.
Nile, L. Chad, Senegal.
Nile, Senegal to Congo, L. Rudolf,
L. Tanganyika.
20. *Auchenoglanis* (con.).
3. *punctatus*, Blgr. 1902.
4. *ubangensis*, Blgr. 1902.
5. *badayi*, Sauv. 1878.
6. *guttatus*, Lonn. 1896.
91. *Notoglanidium*, Gthr. 1902.
1. *Walkeri*, Gthr. 1902.
92. *Ancharius*, Stdr. 1880.
1. *fasciatus*, Stdr. 1880.
93. *Arilus*, C. & V. 1840.
1. *biscutatus*, Gthr. 1864.
2. *Heudeotii*, C. & V. 1840.
3. *Parkeri*, Gthr. 1864.
4. *Kirkii*, Gthr. 1864.
5. *fulcarius*, Richards. 1845.
94. *Galeichthys*, C. & V. 1840.
1. *feliceps*, C. & V. 1840.
95. *Synodontis*, Cuv. 1817.
1. *caudatus*, Blgr. 1899.
2. *Depaui*, Blgr. 1899.
3. *Tholoni*, Blgr. 1901.
4. *multimaculatus*, Blgr. 1902.
5. *grandiosus*, Blgr. 1900.
6. *schall*, Bl. Schn. 1801.
7. *polyodon*, Vail. 1896.
8. *ontas*, Gthr. 1864.
9. *acanthonotus*, Blgr. 1899.
10. *riplius*, Gthr. 1864.
11. *humeratus*, C. & V. 1840.
12. *angelicus*, Schilth. 1891.
13. *frontosus*, Vail. 1896.
14. *caudovittatus*, Blgr. 1901.
15. *nigrita*, C. & V. 1840.
16. *ocelifer*, Blgr. 1900.
17. *zambosensis*, Peters. 1864.
- Congo.
" Congo.
Congo.
L. Tanganyika.
Ogowe.
Niger.
Congo.
Upp. Nile.
Congo.
White Nile, Ono R.
White Nile.
White Nile, Senegal, Gambia.
Gambia.
Webi Shebelli to Zambesi, L. Ruikwa,
L. Nyassa.
L. Tanganyika.
Gambia, Niger.
Zambesi.
Congo.
Old Calabar, Cameroon, Gaboon.
Congo.
White Nile.
L. Victoria.
Congo.
Nile.
Webi Shebelli.
White Nile.
Niger.
Congo.
" "
Lagos, Niger, Gaboon.
Gold Coast, Niger, Calabar.
Congo.
" "
Congo, Angola.
L. Ruikwa.
Low. Niger.

25. *Synodontis* (con.).

39. *notatus*, Vail. 1893.
 40. *nummifer*, Blgr. 1899.
 41. *sorex*, Gthr. 1864.
 42. *pleurops*, Blgr. 1897.
 43. *clarus*, L. 1766.
 44. *decorus*, Blgr. 1899.
 45. *resignatus*, Blgr. 1904.
 46. *batensoda*, Rüpp. 1832.
 47. *membranaceus*, Geoffr. 1809.
 26. *Microsynodontis*, Blgr. 1903.
 27. *Chiroglanis*, Peters, 1868.
 1. *Batesii*, Blgr. 1903.
 1. *Deckenii*, Peters, 1868.
 2. *modjensis*, Blgr. 1903.
 3. *cameroonensis*, Blgr. 1904.
 4. *niloticus*, Blgr. 1900.
 5. *brevibarbis*, Blgr. 1902.
 6. *Batesii*, Blgr. 1904.
 28. *Euchilichthys*, Blgr. 1900.
 1. *Guendleri*, Schiith. 1891.
 2. *Royanai*, Blgr. 1902.
 3. *Dybowskii*, Vail. 1892.
 29. *Atopochilichthys*, Sauv. 1878.
 30. *Mochocus*, Joann. 1895.
 1. *Savoygnani*, Sauv. 1878.
 31. *Doumea*, Sauv. 1878.
 1. *typica*, Sauv. 1878.
 32. *Phractura*, Blgr. 1900.
 1. *Bova*, Perugia, 1892.
 2. *Ansoygi*, Blgr. 1901.
 3. *indica*, Blgr. 1902.
 4. *longicauda*, Blgr. 1903.
 5. *scaphi/hynchura*, Vail. 1886.
 33. *Paraphractura*, Blgr. 1902.
 1. *tenuicauda*, Blgr. 1902.
 34. *Trachyglanis*, Blgr. 1902.
 1. *minutus*, Blgr. 1902.
 35. *Belonoglanis*, Blgr. 1902.
 1. *tenus*, Blgr. 1902.
 36. *Andersonia*, Blgr. 1900.
 1. *leptura*, Blgr. 1900.
 37. *Malopterurus*, Lacép. 1803.
 1. *electricus*, Gm. 1789. Nile and Senegal to Congo and Zambesi.

Subord. III. APODES.

Fam. ANGUILLIDÆ.

1. *Anguilla*, Cuv. 1817.
 1. *vulgaris*, Turt. 1807.
 2. *bengalensis*, Ham. Buch. 1822.
 3. *vissonis*, Peters, 1852.
 4. *Delalandii*, Kamp, 1856.
 5. *ambodon*, Gthr. & Playf. 1866.
 6. *Heidebrandti*, Sauv. 1891.

N. Africa *
 E. Africa, Natal *
 E. Africa *
 Madagascar, S. Africa *
 Seychelles *
 Madagascar *

Congo.

White Nile.

Nile, L. Chad, Senegal, Gambia,
 Congo.

Upp. Niger:
 White Nile, L. Chad, Senegal,
 Gambia, Niger.

White Nile, Senegal, Niger.

Cameroon.

Rufu R. (Pangani).

Modjo R. (Webi Shebelle).

S. Cameroon.

Upp. Nile.

Mathoiya R. (Tana).

S. Cameroon.

Congo.

"

Ogowe.

S. Cameroon, Ogowe.

Congo.

Low. Niger.

S. Cameroon, Congo.

Congo.

Upp. Nile.

Nile and Senegal to Congo and Zambesi.

Subord. IV. HAFLONI.

Fam. I. GALAXIIDÆ.

1. *Galaxias*, Cuv. 1817.
 1. *zebratus*, Casteln. 1861.
 2. *punctifer*, Casteln. 1861.

Cape of Good Hope.
 "

Fam. 2. KNERIIDÆ.

1. *Kneria*, Sth. 1866.
 1. *angolensis*, Sth. 1866.
 2. *Spekii*, Gthr. 1868.

Angola.
 Coast of Zanzibar.

Fam. 3. CYPRINODONTIDÆ.

1. *Cyprinodon*, Lacép. 1803.
 1. *caluritanus*, Bonelli, 1829.

Algeria (N. and S. of Sahara),
 Low. Egypt, Somaliland.

Syria and borders of the Red Sea.

Atlas of Algeria.

Cameroon.

S. Cameroon.

Gaboon.

False Bay.

Mozambique.

Zanzibar coast and island.

Zanzibar coast, Seychelles.

L. Victoria.

S. Nigeria.

Cameroon.

Somaliland.

Senegal to Congo.

Congo.

Angola.

Gold Coast.

Low. Egypt.

Senegal.

White Nile.

Upp. Nile, White Nile.

E. Africa (?).

L. Nyassa.

Congo.

Gold Coast.

Congo.

S. Nigeria to Congo.

Sierra Leone.

Madagascar.

S. Cameroon, R. Benue.

L. Arsade (Shoa).

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4. *Haplocheilichthys* (con.).
22. *Platyfariis*, Gthr. 1866.
23. *tanganicanus*, Blgr. 1898.
5. *Procatopterus*, Blgr. 1904.
1. *notolentia*, Blgr. 1904.

Seychelles
L. Tanganyika
S. Cameroon

Subord. V. CATOSTOMI.

Fam. 1. GASTROSTOMIDÆ.

1. *Gastrosteus*, L. 1766.
1. *aculeatus*, L. 1766.

Algeria

Fam. 2. SYNGNATHIDÆ.

1. *Syngnathus*, L. 1766.
1. *algeriensis*, Playf. 1871.
2. *zambesensis*, Peters, 1855.
2. *Codonotus*, Peters, 1855.
1. *argulus*, Peters, 1855.

Algeria.
Zambesi
Johanna (Comoro Is.)

Subord. VI. PERCIFORMES.

Fam. 1. SCOMBRESOMIDÆ.

1. *Hemirhamphus*, Cuv. 1817.
1. *Commerstonii*, Cuv. 1817.

Licure R. (Mozambique)*

Fam. 2. Atherinidæ.

1. *Atherina*, Art. 1738.
1. *mado*, C. & V. 1836.
2. *gabonensis*, H. W. Fowler, 1904.
2. *Bedotia*, Regan, 1903.
1. *madagascariensis*, Regan, 1903.

Algeria, Low. Egypt*
Gaboon*
Madagascar

Fam. 3. Mugilidæ.

1. *Mugil*, Art. 1738.
1. *cephalus*, L. 1766.
2. *grandisquamis*, C. & V. 1836.
3. *Constantia*, C. & V. 1836.
4. *robustus*, Gthr. 1861.
5. *capito*, Cuv. 1829.
6. *acutus*, Risso, 1810.
7. *multilineatus*, A. Smith, 1840.
8. *Smithii*, Gthr. 1861.
9. *hypselopterus*, Gthr. 1861.
10. *cephalotus*, C. & V. 1836.
11. *fulcipinnis*, C. & V. 1836.
2. *Agonostomus*, Benn. 1830.
1. *Telfairi*, Benn. 1830.
2. *dobuloides*, C. & V. 1836.

N. and W. Africa*
Senegal, Gambia*
S. Africa*
Madagascar*
N.W. and S. Africa*
S. Africa, Madagascar*
Niger, Gaboon*
Madagascar*
Senegal to Congo*

Fam. 4. POLYEMIDÆ.

1. *Pentacampus*, Art. 1758.
1. *quinquarius*, L. 1766.

W. Africa*

2. *Polymenus*, L. 1796.
1. *quadripilis*, C. & V. 1830.
3. *Gaboules*, Gthr. 1860.
1. *decadactylus*, Bl. 1793.

W. Africa*
W. Africa*

Fam. 5. SPHYRZENIDÆ.

1. *Sphyrna*, Art. 1738.
1. *guachancho*, C. & V. 1829.

W. Africa*

Fam. 6. OPHIOCEPHALIDÆ.

1. *Ophiocephalus*, Bl. 1793.
1. *obscurus*, Gthr. 1861.
2. *insignis*, Sauv. 1884.
3. *africanus*, Sidr. 1879.

White Nile, Bahr el Jebel, L. Chad,
Gambia to Congo.
Ogowe, Congo.
Lagos, Niger, Old Calabar.

Fam. 7. ANABANTIDÆ.

1. *Anabias*, Cuv. 1817.

Cape of Good Hope.

1. *capensis*, C. & V. 1831.
2. *Bunsi*, Casteln. 1861.
3. *multispinis*, Peters, 1846.
4. *nigropannosus*, Leichen. 1875.
5. *Pellegrini*, Blgr. 1902.
6. *conicus*, Blgr. 1887.
7. *maculatus*, Thomin. 1886.
8. *multifasciatus*, Thomin. 1886.
9. *fasciatus*, Blgr. 1890.
10. *Petherici*, Gthr. 1864.
11. *Knysleye*, Gthr. 1896.
12. *Pekesi*, Blgr. 1896.
13. *ocellatus*, Pellegr. 1890.
14. *caprhynchus*, Blgr. 1902.

"Mozambique.
Gaboon to Congo.
"S. Cameroon, Gaboon.
S. Cameroon to Congo.
Bahr el Jebel.
Senegal to Congo.
L. Chad, Congo.
" "

Subord. VII. ACANTHOPTERYGII.

Fam. 1. CENTRARCHIDÆ.

1. *Kuhlia*, Gill, 1861.

Zanzibar, Madagascar*
E. Africa, Natal,
Seychelles*
Madagascar*.

1. *rupestris*, Lacep. 1802.
2. *tenitura*, C. & V. 1829.
3. *caudentilata*, Lacep. 1802.

Fam. 2. NANDIDÆ.

1. *Polycentropomus*, Blgr. 1901.
1. *abbreviata*, Blgr. 1901.

Low. Niger.

Fam. 3. SERIANTIDÆ.

1. *Morone*, Mitchell, 1814.
1. *punctata*, Bl. 1792.
2. *Plesiops*, Cuv. 1817.
1. *nigricans*, Rüpp. 1828.

Low. Nile, Senegal*.
Johanna (Comoro Is.)*.

3. *Lates*, C. & V. 1828.
 1. *nitidus*, Hasselq. 1757. Nile, L. Chad, Senegal, Niger, Congo.
 2. *macrolepis*, Blgr. 1893. L. Tanganyika.
4. *Ambassis*, O. & V. 1828.
 1. *Commerstoni*, O. & V. 1828. Pangaui R., Madagascar *.
 2. *undulata*, Blgr. 1852. Seychelles *.
5. *Apogon*, Lacép. 1802.
 1. *hyalodon*, Blgr. 1851. Seychelles *.
6. *Therapon*, Cuv. 1817.
 1. *serius*, Bl. 1790. Mozambique *.

Fam. 4. SOLÉNIDÆ.

1. *Oblithus*, Cuv. 1829.
 1. *senegalensis*, C. & V. 1833. Senegal to Congo *.

Fam. 5. PRISTIPOMATIDÆ.

1. *Pristipoma*, Cuv. 1829.
 1. *Jubelini*, C. & V. 1830. Senegal to Congo *.
2. *Diagamma*, Cuv. 1829.
 1. *macrolepis*, Blgr. 1899. Senegal to Congo *.

Fam. 6. SPARIDÆ.

1. *Chrysophrys*, Cuv. 1817.
 1. *vagus*, Peters, 1852. Mozambique *.

Fam. 7. SCORPIDIDÆ.

1. *Pectus*, C. & V. 1831.
 1. *sebe*, C. & V. 1831. Senegal to Congo *.
 2. *argenteus*, L. 1706. S. Africa *.
 3. *fulciformis*, Lacép. 1802. "

Fam. 8. OSPHROMENIDÆ.

1. *Microcanthus*, Sauv. 1878.
 1. *Marchii*, Sauv. 1878. Ogowa.

Fam. 9. CICHLIDÆ.

1. *Hemichromis*, Peters, 1857.
 1. *fasciatus*, Peters, 1857. Senegal to Congo, L. Chad, Transvaal (?).
 2. *biaculatus*, Gill, 1862. Sahara, Nile, L. Chad, Senegal to Congo.
 3. *angolensis*, Sldr. 1865. Angola.
 4. *Frederici*, Casteln. 1861. L. Ngami.
2. *Paratilapia*, Blgr. 1868.
 1. *Poleni*, Blgr. 1868. Madagascar.
 2. *Pfefferi*, Blgr. 1898. L. Tanganyika.
 3. *Moffati*, Casteln. 1861. Transvaal.
 4. *dorsalis*, Pelleg. 1902. Congo.
 5. *cerasogaster*, Blgr. 1899.
 6. *multicolor*, Schoell. 1868.
 7. *longirostris*, Hilg. 1888. Lower Egypt.
 8. *Inneberti*, Hilg. 1902. L. Victoria.
 9. *Danicusi*, Blgr. 1899. S.W. Africa.
 Congo.

2. *Paratilapia* (con.)

11. *afra*, Gthr. 1893. L. Mweru.
 12. *ettala*, Blgr. 1901. L. Nyassa.
 13. *Carlotia*, Blgr. 1905. Zambesi.
 14. *nadesta*, Gthr. 1893. L. Nyassa and Shiré.
 15. *nototenia*, Blgr. 1902. L. Nyassa.
 16. *dimidiata*, Gthr. 1864. L. Nyassa and Shiré.
 17. *seranus*, Pfeff. 1893. L. Victoria.
 18. *victoriae*, Pelleg. 1904. " "
 19. *robusta*, Gthr. 1864. L. Nyassa, Katanga, Zambesi.
 20. *macrocephala*, Blgr. 1899. L. Mweru.
 21. *cavifrons*, Hilg. 1888. L. Victoria.
 22. *retrodens*, Hilg. 1888. " "
 23. *Thunbergi*, Casteln. 1861. L. Ngami.
 24. *Schubbschi*, Sauv. 1884. Ogowa.
 25. *callinara*, Blgr. 1901. L. Tanganyika.
 26. *intermedia*, Gthr. 1864. " "
 27. *longiceps*, Gthr. 1864. " "
 28. *ventralis*, Blgr. 1898. " "
 29. *Dewindti*, Blgr. 1899. " "
 30. *leptosoma*, Blgr. 1898. " "
 31. *nigripinnis*, Blgr. 1901. " "
 32. *stenosoma*, Blgr. 1901. " "
 33. *fuweter*, Blgr. 1898. " "
 3. *Nemochromis*, Pelleg. 1904. Congo.
 1. *nudiceps*, Blgr. 1899. " "
 2. *dimidiatus*, Pelleg. 1900. Congo.
 4. *Pelmatochromis*, Sldr. 1894. Liberia, Gambia.
 1. *lateralis*, Blgr. 1898. L. Tanganyika.
 2. *Jentinki*, Sldr. 1894. Gaboon, Ogowa.
 3. *pulepis*, Blgr. 1900. Gold Coast.
 4. *Kingsleyae*, Blgr. 1898. " "
 5. *Guentheri*, Sauv. 1882. Angola.
 6. *Welwitschi*, Blgr. 1898. Low. Niger.
 7. *Pelagrusi*, Blgr. 1902. Cameroon to Congo.
 8. *nigrofasciatus*, Pelleg. 1900. Cameroon.
 9. *longirostris*, Blgr. 1903. Gaboon.
 10. *Boulengeri*, Loub. 1903. " "
 11. *subocellatus*, Gthr. 1871. Low. Niger.
 12. *Ansorgii*, Blgr. 1901. " "
 13. *puleher*, Blgr. 1901. L. Tanganyika.
 14. *tenatus*, Blgr. 1901. " "
 15. *macrops*, Blgr. 1898. Congo.
 16. *auratus*, Blgr. 1901. Liberia, Congo.
 17. *multidens*, Pelleg. 1900. Congo.
 18. *Baettchhoferi*, Sldr. 1894. " "
 19. *congius*, Blgr. 1897. L. Nyassa.
 5. *Cyrtocara*, Blgr. 1902. L. Tanganyika.
 1. *Moorei*, Blgr. 1892. " "
 6. *Lamprologus*, Schilth. 1891. " "
 1. *tetracanthus*, Blgr. 1899. Congo.
 2. *tretoccephalus*, Blgr. 1899. " "
 3. *modestus*, Blgr. 1898. " "
 4. *tumbanus*, Blgr. 1899. Congo.
 5. *Mocquardii*, Pelleg. 1903. " "
 6. *congiensis*, Schilth. 1891. " "

6. *Lamplogobius* (con.)
 7. *Lemurini*, Blgr. 1899.
 8. *Moorei*, Blgr. 1898.
 9. *Hecqui*, Blgr. 1899.
 10. *fasciatus*, Blgr. 1898.
 11. *brevis*, Blgr. 1899.
 12. *compressiceps*, Blgr. 1898.
 13. *fucofer*, Blgr. 1898.
 14. *elongatus*, Blgr. 1898.
 7. *Julidochromis*, Blgr. 1898.
 1. *ornatus*, Blgr. 1898.
 8. *Tetodonochromis*, Blgr. 1898.
 2. *vitatus*, Blgr. 1898.
 9. *Tilapia*, A. Smith, 1840.
 1. *Moorei*, Blgr. 1901.
 2. *Linnellii*, Lönb. 1903.
 3. *Desfontainesi*, Lacép. 1802.
 4. *Boyeri*, Sauv. 1883.
 5. *Wingati*, Blgr. 1902.
 6. *Guerzi*, Pelleg. 1904.
 7. *Livingstoni*, Gthr. 1893.
 8. *Johnstoni*, Gthr. 1893.
 9. *microlepis*, Blgr. 1899.
 10. *Huileri*, Gthr. 1899.
 11. *nigra*, Gthr. 1894.
 12. *shirana*, Blgr. 1896.
 13. *mossambica*, Piss. 1852.
 14. *nitida*, L. 1766.
 15. *natalensis*, M. Web. 1897.
 16. *tanganicae*, Gthr. 1893.
 17. *galilee*, Art. 1762.
 18. *flavovariata*, Blgr. 1899.
 19. *Hendeloti*, A. Dum. 1859.
 20. *nigripinnis*, A. Dum. 1859.
 21. *macrocephala*, Blgr. 1862.
 22. *Dimeriti*, Stdr. 1864.
 23. *leptura*, Blgr. 1899.
 24. *Boulengeri*, Pelleg. 1903.
 25. *squamipinnis*, Gthr. 1864.
 26. *Sparmanni*, A. Smith, 1840.
 27. *ocalis*, Stdr. 1866.
 28. *Burtoni*, Gthr. 1893.
 29. *humilis*, Stdr. 1866.
 30. *vorax*, Pfeff. 1898.
 31. *Buetikoferi*, Hubr. 1881.
 32. *Mariae*, Blgr. 1899.
 33. *dhbia*, Lönb. 1904.
 34. *Cabrae*, Blgr. 1899.
 35. *Tholloni*, Sauv. 1884.
 36. *crassa*, Pelleg. 1903.
 37. *bitincata*, Pelleg. 1900.
 38. *polyacanthus*, Blgr. 1869.
- L. Tanganyika
 " "
 " "
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 " "
 " "
 " "
 L. Tanganyika
 L. Tanganyika
 " "
 L. Tanganyika
 Cameroon.
 Algeria, Tunis.
 Wami and Kingani R., L. Kivu.
 Bah el Jebel
 L. Victoria.
 L. Nyassa and Shiré.
 " "
 L. Tanganyika.
 Crater lake of Kilimandjaro.
 Kibwesi.
 Upp. Shiré.
 Coast of Zanzibar to Zambesi.
 L. Victoria, L. Albert, L. Tsana, L.
 Abela, L. Kivu, E. Africa to Pangaui R.,
 Senegal to Niger, L. Chad.
 Coast of Zanzibar, L. Mweru, Congo,
 Katanga, Zambesi, Natal
 L. Tanganyika.
 Nile, Senegal, Gambia, Niger.
 Senegal to Congo, L. Chad.
 Gaboon.
 Gold Coast.
 W. Africa (?).
 Congo, Angola.
 Congo.
 L. Nyassa, Shiré.
 Angola, Katanga, Zambesi to
 Orange R.
 Angola, Katanga, Bechuanaland.
 L. Kivu, L. Tanganyika.
 Zambesi.
 Angola.
 Zambesi.
 Liberia.
 Low. Niger.
 Cameroon (Crater Lake).
 Chiloango.
 Ogowe.
 Congo.
 " "
 L. Mweru.
9. *Tilapia* (con.)
 39. *Zillii*, Geuv. 1848. N. Africa to Niger, L. Chad, White Nile,
 L. Rudolf.
 Cameroon (Crater Lake).
 L. Tanganyika.
 Zambesi.
 Senegal to Congo, L. Chad,
 Zambesi.
 Gold Coast.
 Gaboon, Congo.
 Ashantee.
 L. Tanganyika.
 " "
 L. Nyassa.
 L. Nyassa, Shiré.
 White Nile, Wami.
 L. Nyassa.
 Rufu.
 L. Victoria.
 Congo.
 " "
 Transvaal, Natal.
 Angola, Zambesi.
 L. Rukwa.
 Zambesi.
 " "
 L. Ngami.
 " "
 L. Tanganyika.
 L. Nyassa.
 " "
 L. Tanganyika.
 L. Nyassa.
 Madagascar.
 L. Nyassa.
 L. Tanganyika.
 L. Victoria.
 L. Tanganyika.
 " "
 L. Tanganyika.
 Shiré.
 Shiré.
 Congo.
 L. Tanganyika.
 L. Albert.
 L. Tanganyika.
 L. Nyassa.
 " "
40. *Kotla*, Lönb. 1904.
 41. *Hori*, Gthr. 1893.
 42. *Jalle*, Blgr. 1896.
 43. *melanopleura*, A. Dum. 1850.
 44. *basimana*, Gthr. 1902.
 45. *Doloi*, Blgr. 1899.
 46. *guineensis*, Blgr. 1862.
 47. *pleurokenta*, Blgr. 1901.
 48. *inematoccephala*, Blgr. 1901.
 49. *Williami*, Gthr. 1893.
 50. *caliptera*, Gthr. 1893.
 51. *Kiraii*, Gthr. 1893.
 52. *strigigena*, Pfeff. 1893.
 53. *ledrinus*, Gthr. 1893.
 54. *pectoralis*, Pfeff. 1893.
 55. *nuchisquamulata*, Hilg. 1888.
 56. *fasciata*, Perugia, 1892.
 57. *Storosi*, Blgr. 1902.
 58. *philander*, M. Web. 1897.
 59. *acuticeps*, Stdr. 1866.
 60. *Ruelleborni*, Hilg. & Pappenh. 1903.
 61. *Livingstoni*, Gthr. 1899.
 62. *Giardi*, Pelleg. 1903.
 63. *Levallanti*, Casteln. 1861.
 64. *Andersoni*, Casteln. 1861.
 65. *Dardennii*, Blgr. 1899.
 66. *zebra*, Blgr. 1899.
 67. *aurata*, Blgr. 1897.
 68. *labiata*, Blgr. 1898.
 69. *rostrata*, Blgr. 1899.
 70. *boops*, Blgr. 1901.
 71. *grandoculis*, Blgr. 1899.
 72. *obliquacanthus*, Blgr. 1868.
 10. *Hemiliapia*, Blgr. 1902.
 1. *oxyrhynchus*, Blgr. 1899.
 11. *Sinacromis*, Blgr. 1898.
 1. *diagramma*, Gthr. 1893.
 12. *Asiatoreochromis*, Pelleg. 1904.
 1. *Alluadi*, Pelleg. 1904.
 13. *Tropheus*, Blgr. 1898.
 1. *Moorei*, Blgr. 1898.
 2. *annectens*, Blgr. 1900.
 14. *Docimodus*, Blgr. 1896.
 1. *Johnstoni*, Blgr. 1896.
 15. *Cerenatodus*, Blgr. 1896.
 1. *shirani*, Blgr. 1896.
 16. *Sectocromis*, Blgr. 1899.
 1. *orbiceps*, Blgr. 1899.
 17. *Petrochromis*, Blgr. 1898.
 1. *tanganicae*, Gthr. 1893.
 2. *Andersoni*, Blgr. 1901.
 3. *polyodon*, Blgr. 1898.
 4. *nyassae*, Blgr. 1902.

18. *Chilochromis*, Blgr. 1902.
1. *Imponiti*, Blgr. 1902.
19. *Asprotilapia*, Blgr. 1901.
1. *leptura*, Blgr. 1901.
20. *Paratropheus*, Blgr. 1893.
1. *Dumi*, Blgr. 1898.
2. *polyactis*, Blgr. 1870.
21. *Eretmodus*, Blgr. 1898.
1. *cyanostictus*, Blgr. 1898.
22. *Spathodus*, Blgr. 1900.
1. *erythrodon*, Blgr. 1900.
23. *Perissodus*, Blgr. 1898.
1. *microlepis*, Blgr. 1898.
24. *Plecodus*, Blgr. 1898.
1. *paradosus*, Blgr. 1898.
25. *Xenochromis*, Blgr. 1899.
1. *Heugui*, Blgr. 1899.
26. *Isalubates*, Blgr. 1898.
1. *ferox*, Blgr. 1898.
2. *fasciatus*, Blgr. 1901.
27. *Trematocara*, Blgr. 1899.
1. *marginatum*, Blgr. 1899.
2. *unimaculatum*, Blgr. 1901.
28. *Gyranototria*, Blgr. 1899.
1. *Lenacuri*, Blgr. 1899.
29. *Edodus*, Blgr. 1898.
1. *Decampsii*, Blgr. 1898.
2. *melanogenys*, Blgr. 1898.
3. *longianalis*, Blgr. 1899.
30. *Xenotilapia*, Blgr. 1899.
1. *sini*, Blgr. 1899.
2. *ornatipinnis*, Blgr. 1899.

Fam. 10. PLEURONECTIDÆ.

1. *Citharichthys*, Blgr. 1862.
1. *spilopterus*, Gthr. 1862.
2. *Cynoglossus*, Ham. Buch. 1822.
1. *sengulensis*, Kaup. 1853.

Fam. 11. Gobiidæ.

1. *Eleotris*, Gron. 1763.
1. *optioccephalus*, C. & V. 1837.
2. *sengulensis*, Stdr. 1870.
3. *Lebetoni*, Stdr. 1870.
4. *dayanensis*, Stdr. 1870.
5. *Forasini*, Blanc. 1850.
6. *madagascariensis*, C. & V. 1837.
7. *fusca*, Bl. Schn. 1801.
8. *bubis*, Ham. Buch. 1822.
9. *pectoratus*, Regan, 1903.
10. *Pisonis*, Gmel. 1789.
11. *Buettikoferi*, Stdr. 1894.
12. *Monteni*, O'Sh. 1875.

Madagascar, Comoro, Seychelles *
Senegal to Ogowe.
Senegal, Angola.
Mozambique
Madagascar *
Panganui, Madagascar, Comoro,
Seychelles *
Johanna (Comoro).
Madagascar.
Liberia *
Gaboon, Gaboon.

Freshwater Fishes of Africa.

1. *Eleotris* (con).
13. *affricinus*, Stdr. 1880.
14. *nanus*, Blgr. 1901.
2. *Gobius*, Art. 1738.
1. *rhodopterus*, C. & V. 1837.
2. *giriis*, Ham. Buch. 1822.
3. *spectabilis*, Gthr. 1861.
4. *gynacanthus*, M. Web. 1897.
5. *Devacalii*, Blgr. 1898.
6. *Gichristi*, Blgr. 1898.
7. *paganeltus*, L. 1760.
8. *Schlegelii*, Gthr. 1861.
9. *eneofuscus*, Peters, 1852.
10. *guineensis*, Peters, 1876.
11. *macrorhynchus*, Blgr. 1875.
12. *madagascariensis*, Blgr. 1875.
13. *sombriunensis*, Blgr. 1875.
14. *hypoleosoma*, Blgr. 1875.
15. *polyzona*, Blgr. 1875.
16. *macrorhynchus*, Blgr. 1875.
17. *ocellaris*, C. & V. 1837.

Fam. 12. BLENNIIDÆ.

1. *Blennius*, Art. 1738.
1. *vulgaris*, Pollini, 1816.
2. *Alticus*, Blgr. 1875.
1. *monochrous*, Blgr. 1875.
3. *Cristiceps*, C. & V. 1836.
1. *argenteus*, Risso, 1810.

Algeria *
Madagascar *
Algeria (?) *

Subord. VIII. OPISTHOMI.

Fam. MASTACEMBELIDÆ.

1. *Mastacembelus*, Gron. 1781.
1. *paucispinis*, Blgr. 1899.
2. *fienatus*, Blgr. 1901.
3. *Moorti*, Blgr. 1898.
4. *Marchii*, Sauv. 1879.
5. *Scidari*, Blgr. 1903.
6. *cryptacanthus*, Gthr. 1867.
7. *congius*, Blgr. 1896.
8. *iberiensis*, Blgr. 1898.
9. *Loembeyi*, Blgr. 1898.
10. *Ansonii*, Blgr. 1905.
11. *marmoratus*, Perugia, 1892.
12. *goro*, Blgr. 1902.
13. *elipsifer*, Blgr. 1899.
14. *tanganica*, Gthr. 1898.
15. *shranus*, Gthr. 1896.
16. *victoria*, Blgr. 1904.
17. *tenatus*, Blgr. 1901.
18. *brachyrhinus*, Blgr. 1899.
19. *Greshoffi*, Blgr. 1901.
20. *niger*, Sauv. 1879.

Congo.
L. Tanganyika.
"Ogowe.
S. Cameroon.
Cameroon.
Congo.
Liberia.
Niger, Cameroon, L. Chad.
Angola.
Congo.
"L. Tanganyika.
"L. Nyasse, Shiré.
L. Victoria.
L. Tanganyika.
Congo.
"Ogowe.

1. *Mastacembelus* (con.).

21. *Mastomarginatus*, Blgr. 1898.
 22. *nigromarginatus*, Blgr. 1898.
 23. *ophidium*, Gthr. 1893.

Cameroon, Gaboon, Ogowe,

Ashantea,

L. Tanganyika.

Subord. IX. PLECTOGNATHI.

Fam. TETRODONTIDÆ.

1. *Tetrodon*, L. 1766.

1. *Fuhaka*, Hasselq. 1757.
 2. *nubi*, Blgr. 1899.
 3. *rustulatus*, Murr. 1857.
 4. *mutus*, Blgr. 1902.

Nile, L. Chad, Senegal, Niger,

Congo,

Old Calabar, Gaboon,

Congo.

VII.—A Revision of the Fishes of the American Cichlid Genus
Cichlosoma and of the Allied Genera. By C. TATE REGAN,
 B.A.

I GRATEFULLY acknowledge the kind assistance given to me in the preparation of this paper by Dr. Steindachner, to whom I am indebted for information as to the number of gill-rakers in the typical examples of *Cichlosoma bifasciatum*, *C. lentiginosum*, *C. altifrons*, and *C. Sieboldii*, and by Dr. Th. Gill, through whose intervention the British Museum has acquired typical specimens of *Cichlosoma centrarchus*, *C. balteatum*, *C. rostratum*, and *C. basilare*. Dr. S. Garman has very kindly given me information as to the number of gill-rakers and the length of the dorsal spines in *C. pavonaceum*.

In the descriptions of the species the number of scales in a longitudinal series is counted from above the origin of the lateral line to the base of the caudal fin, in a transverse series from the base of the first dorsal spine to the lateral line and thence to the middle of the abdomen. The number of scales in a transverse series between the lateral line and the base of the soft dorsal fin does not include the scales forming the sheath which is usually present at the base of the fin. The length of the last dorsal spine is measured from its tip to its actual base, not to the free edge of the scaly sheath at its base. The caudal peduncle is measured from the level of the base of the last anal ray to the actual base of the middle caudal rays, a point which is easily ascertained by bending the fin laterally. I have given a list of the specimens in the British Museum collection on which my descriptions are founded, with the total length in millimetres of each.

The relations of the genera here dealt with are shown in the following synopsis:—

Dorsal fin without notch between spinous and soft portions; anal fin with more than 8 spines; gill-rakers short or of moderate length, in small or moderate number.

I. Dorsal with XIII-XX 10-16 rays, anal with IV-XII 7-16.

A. Teeth all conical or cylindrical, not compressed.

Posterior (ascending) processes of premaxillaries shorter than the head.....

Cichlosoma.

Posterior processes of premaxillaries as long as the head. *Petenia*.

B. Teeth mostly conical, but the median teeth of the outer series compressed, pointed in the young, truncate in the adult.

Herichthys.

C. Teeth all rather broad and strongly compressed; scales large, those of the lateral line of the same size as the others.

Teeth entire, with pointed or rounded apices.....

Parametropilus.

Teeth entire, truncate, incisor-like.....

Neotrophus.

Teeth tricuspid, except the median ones of the outer series, which are entire, truncate, incisor-like....

Herichthys.

D. Teeth slender, compressed, pointed in the young, rounded in the adult; scales rather small, those of the lateral line larger than the others.....

Uaru.

II. Dorsal with VIII-XIII 24-31 rays, anal with V-IX 24-32; teeth conical.

Teeth confined to the anterior part of each jaw.....

Symphysodon.

Teeth extending on to the sides of the jaws.....

Pterophyllum.

CICHLISOMA.

Cichlosoma, Swains. Nat. Hist. Fish. ii. p. 280 (1839); Eigenm. & Bray, Ann. Ac. N. York, vii. 1894, p. 615; Jord. & Everm. Proc. U.S. Nat. Mus. xlvii. 1896, p. 1514; Pellegr. Mém. Soc. Zool. France, xvi. 1903, p. 202 (1904); Meek, Zool. Pub. Columbian Mus. v. 1904, p. 204.

Acara (part.), Heck. Ann. Mus. Wien, ii. 1840, p. 398; Günth. Cat. Fish. iv. p. 276 (1859); Steind. Sitzb. Ak. Wien, lxxi. 1875, p. 63.

Heros, Heck. t. c. p. 362; Günth. t. c. p. 285; Jord. & Everm. t. c. p. 1526; Pellegr. t. c. p. 226.

Hoplarodus, Kaup, Arch. f. Nat. 1860, p. 128.

Theraps, Günth. t. c. p. 234.

Meenidia, Günth. t. c. p. 300.

Archocentrus, Gill, Proc. Ac. Philad. 1877, p. 186.

Petenia (part.), Eigenm. & Bray, t. c. p. 614; Pellegr. t. c. p. 243.

Astronotus (part.), Eigenm. & Bray, t. c. p. 615.

Aslatheos, Pellegr. t. c. p. 203.

Thorichthys, Meek, t. c. p. 222.

Body deep or elongate, compressed; scales large or moderate, usually ctenoid. Two lateral lines. Jaws with bands of small conical teeth, the outer series more or less enlarged and sometimes forming canines. Mouth small or moderate.