The ETYFish Project
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Comments:

Subcohort OSTARIOPHYSI
ostar, small bone; physa, bladder, referring to Weberian apparatus, a complex of modified vertebrae and ligaments that connect the gas bladder to the inner ear (except for Section Anotophysi)

Section ANOTOPHYSA
an-, without; oto-, ear; physa, bladder, referring to lack of Weberian apparatus; instead, anotophysans possess a primitive homolog consisting of three modified anterior vertebrae associated with cephalic rib bones

Order GONORYNCHIFORMES
4 families - 7 genera - 37 species

Family CHANIDAE Milkfishes

Chanos Lacepède 1803
tautonymous with Mugil chanos (which Lacepède unnecessarily renamed as Chanos arabicus)

Chanos chanos (Forsskål 1775)
on-open-mouthed, from an ancient Greek name, possibly referring to how it sometimes feeds at surface with open mouth

Family GONORYNCHIDAE Beaked Sandfishes

Gonorynchus Scopoli 1777
tautonymous with Cyprinus gonorynchus

Gonorynchus abbreviatus Temminck & Schlegel 1846
shortened, presumably referring to shorter head compared to G. gonorynchus

Gonorynchus forsteri Ogilby 1911
patronym not identified, possibly in honor of Johann Reinhold Forster (1729-1798), naturalist aboard Captain Cook’s second voyage on HMS Resolution, which first documented the occurrence of Gonorynchus in New Zealand (where this species occurs) in 1769

Gonorynchus gonorynchus (Linnaeus 1766)
gonio-, angle; rhynchus, snout, referring to distinctive angular snout used to dig themselves into sand

Gonorynchus greyi (Richardson 1845)
 deltaTime: 0
in honor of Capt. George Grey (1812-1898), Lieutenant-Governor of West Australia, “whose exertions in the cause of Zoology have been productive of several important discoveries,” including this species

Gonorynchus moseleyi Jordan & Snyder 1923
in honor of Edwin Lincoln Moseley (1863-1948), professor of biology, State Normal School at Bowling Green, Ohio, USA, who collected type
Family KNERIIDAE Knerias
4 genera · 30 species

**Cromeria** Boulenger 1901
-ia, belonging to: Lord Cromer (Evelyn Baring, 1841-1917), British Consul-General of Egypt (1883-1907)
  - *Cromeria nilotica* Boulenger 1901
    - *Cromeria occidentalis* Daget 1954
      western, referring to distribution in West Africa, west of *C. nilotica*

**Grasseichthys** Géry 1964
*ichthys*, fish, named for entomologist Pierre-Paul Grassé (1895-1985), who led a wildlife inventory in the Ivindo basin (Gabon), during which type species was collected
  - *Grasseichthys gabonensis* Géry 1964
    - *ensis*, suffix denoting place: Gabon, where it is endemic

**Kneria** Steindachner 1866
-ia, belonging to: Austrian ichthyologist Rudolph Kner (1810-1869), Steindachner’s “revered teacher and friend” (translation)
  - *Kneria angolensis* Steindachner 1866
    - *ensis*, suffix denoting place: Angola, type locality
  - *Kneria ansorgii* (Boulenger 1910)
    in honor of explorer William John Ansorge (1850-1913), who collected type
  - *Kneria auriculata* (Pellegrin 1905)
    eared, referring to cup-shaped process on gill covers of males
  - *Kneria katangae* Poll 1976
    of Katanga, referring to type locality in Upemba National Park, Katanga Province, Democratic Republic of Congo
  - *Kneria maydelli* Ladiges & Voelker 1961
    in honor of Gustav Adolf von Maydell (1919-1959), Zoological Expedition of the University of Hamburg, who collected type
  - *Kneria paucisquamata* Poll & Stewart 1975
    *paucus*, few; *squama*, scale, referring to larger (and, therefore, fewer) scales along lateral line, in a genus in which “small scales are a rule” (translation)
  - *Kneria polli* Trewavas 1936
    in honor of Belgian ichthyologist Max Poll (1908-1991), who discovered that opercular contact organ was a character of mature males, thus subsuming *Xenopomatichthys* Pellegrin 1905 into the synonymy of *Kneria*
  - *Kneria ruaha* Seegers 1995
    named for Ruaha River drainage, Tanzania, type locality
  - *Kneria rukwaensis* Seegers 1995
    - *ensis*, suffix denoting place: Lake Rukwa drainage, Tanzania and Zambia, center of its distribution
  - *Kneria sjolandersi* Poll 1967
    in honor of David Sjolanders (1886-1954, also spelled Sjölander), Swedish adventurer, nature photographer and curator, who led the Angola Expedition (1948-1949) that collected type
  - *Kneria stappersii* Boulenger 1915
    in honor of physician-biologist Louis Stappers (1883-1916), head of the Belgian colony in the Congo, who led an expedition to central Africa in 1911-1913 and collected type

Kneria uluguru Seegers 1995
named for Uluguru Mountains, Tanzania, where it appears to be endemic

Kneria wittei Poll 1944
in honor of herpetologist Gaston François De Witte (1897-1980), whose collections in the Congolese state of Katanga helped Poll distinguish between Kneria and Xenopomatichthys (males of Kneria)

Parakneria Poll 1965
para-, near, referring to similarity to Kneria, in which several species had originally been placed

Parakneria abbreviata (Pellegrin 1931)
shortened, described as a variety of P. cameronensis, probably referring to its more compact form (height 5-6 times in length vs. 7-9)

Parakneria cameronensis (Boulenger 1909)
-ensis, suffix denoting place: southern Cameroon, type locality

Parakneria damasi Poll 1965
in honor of Hubert Damas (1910-1964), professor, University of Liège (Belgium), who collected type during one of his expeditions in central Africa

Parakneria fortuita Penrith 1973
reflecting the “fortuitous circumstances” (on a Friday the 13th) that were involved in collecting this species: pitching camp on the wrong river and forced to collect there because a burned-down bridge and a washed-out road prevented access to correct river

Parakneria kissi Poll 1969
in honor of hydrobiologist R. Kiss, who collected type

Parakneria ladigesi Poll 1967
in honor of aquarist and ichthyologist Werner Ladiges (1910-1984), director, Zoologisches Staats Instituut and Zoologisches Museum de Hamburg

Parakneria lufirae Poll 1965
of Lufira River, Upemba National Park, Zaire, type locality

Parakneria malaissei Poll 1969
in honor of botanist-ecologist François Malaisse (b. 1934), University of Lubumbashi (Democratic Republic of the Congo), who collected type

Parakneria marmorata (Norman 1923)
marbled, referring to yellow-brown coloration on upper half of body, marbled with dark brown

Parakneria mossambica Jubb & Bell-Cross 1974
-ica, belonging to: Republic of Mozambique, where it is endemic

Parakneria spekii (Günther 1868)
in honor of soldier and explorer John Hanning Speke (1827-1864), who presented type to the British Museum (Natural History)

Parakneria tanzaniae Poll 1984
of Tanzania, where it is endemic

Parakneria thysi Poll 1965
in honor of Poll’s Musée de l’Afrique Centrale colleague, Dirk Thys van den Audenaerde (b. 1934), who collected in Katanga in “difficult and even dangerous” conditions (translation)

Parakneria vilhenae Poll 1965
in honor of Ernesto de Vilhena (1876-1967), managing director of Angolan Diamond Company, for his support of the study of Angolan zoology

Family PHRACTOLAEMIDAE Snake Mudhead

Phractolaemus Boulenger 1901
phraktos, fenced in; laimos, throat, referring to a pair of large bones covering the throat, the right overlapping the left

Phractolaemus ansorgii Boulenger 1901
in honor of explorer William John Ansorge (1850-1913), who collected type