

Cyclopidae: Cyclopoida

APOCYCLOPS LINDBERG 1942

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- REID & ESTEVES, 1984: 322
- YEATMAN 1983: 71.
- Herbst, 1984: 72
- KIEFER 1967c: 300-302, REVIEWS SPECIES.
- REID 1985b: 51, KEY TO SOUTH AMERICAN SPECIES.
- ROCHA & BJORNBERG 1987: 99, NOT A SUBGENUS OF  
METACYCLOPS S. LAT.
- REID 1987c: 129, NOT A SUBGENUS OF METACYCLOPS S. LAT.

## APOCYCLOPS

(2)

- SHEN & TAI 1964c: 373, TAB. 5
- FERRARI 1991: 117-, DEVELOPMENT
- REID 1994b: 342
- PLEŞA 1981: 28, PROPOSED APOCYCLOPS AS SUBGENUS OF METACYCLOPS S.L.
- ARNOFSKY 1996: 1-, GENUS DIAGNOSIS & WORLD KEY.

- Apocyclops borneensis LINDBERG, 1954  
— Lindberg, 1954a: 8-10, fig. 3a-c w/Key  
-- LINDBERG, 1954: 168-170; FIG. 3  
-- ACADEMIA SINICA, 1979: 394, 396-397; FIG. 237  
-- YEATMAN 1983: 58, possibly this sp.  
-- KIEFER 1967c: 300-302  
-- JAMES + AL-KHARS 1986: 333-338, MALAYSIA  
-- REID 1991d: 274, MALAYSIA  
-- ARNOFSKY 1996: 5, FIG. 11, TABS. 1, 6, 7, MALAYSIA

Apocyclops buxtoni (Gurney, 1921)

---, Kiefer 1967c:300-301, synonym of A. dengizicus

400

Cyclopidae - Cyclopoidea.

Cyclops dengizica Lepaschkin, ♀♂.

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— — Lepaschkin, 1900

— — Gurney, 1927f, p. 460.

— — cus; Kiefer, 1929, p. 73; fig. 27.

— — KINDBERG, 1942, p. 190, INDIA

Habitat. Brine Pools: Suez Canal.

—, SHEN & TAI, 1964c: 373

= APOCYCLOPS

DENGIZICUS

Cyclops diaphanus Fischer

var. dengizica Toepeschkin,

— — Toepeschkin, 1900, p. 6: pl. 3, f. 1, 17, 19, 21, 25

— Spandl, 1926: 122 ~~123~~ 124

Habitat. Russia.

Apocyclops dengizicus (V. Lepechkin) CARD 4

-- -- Lindberg, 1955, p. 486. - 487

-- -- Lindberg, 1950, p. 30, chart.

-- -- Lindberg, 1950f p. 105-107.

--, BAYLY, 1976: 66, 66f

-- DUSSART 1981c: 162

-- Dussart, 1982: 74, pl. #16A

-- Dussart & Fernando, 1985: 245, fig. 92-95

-- KIEFFER 1967c: 292, 300-302, FIGS. 21-25 ♀♂ AUSTRALIA;

SYNONYMS: A. BURTONI (GURNEY), A. DIMORPHUS (KIEFFER)

METACYCLOPS -, SHEN + TAI 1964c: 373

APO

(Apocyclops)

Cyclopidae - Cyclopoidea

Cyclops dengizicus

(Lepechkin) ♀

3

= Lepechkin

— Kiefer, 1928, p. 396:

— Lindberg, 1940c: 571-574, fig. 3a-c

C. dengizicus

— Lindberg, 1942d: 140-142, fig. 2-3

(Apocyclops)

Habitat Chilka Lake,

Apocyclops dengizicus (Lepeschkine)

card 5

Metacyclops -, Kiefer 1949:64-67, 73-76, figs. 7-13,  
Siwa Oasis, Libya; gives synonymy, INCLUDING CYCLOPS  
BUXTONI GURNEY, C. (META.) DIMORPHUS KIEFER 1934; 96-110

-- ALVAREZ VALDERHAUG & KEWALRAMANI 1979: 1-8, FIGS. 1-4,  
DEVELOPMENT; BOMBAY.

-- SHEN & TAI 1964c: 373

C. DIAPHANUS, V. DENGIZICA, SARS 1903: 251,  
RECORDS - CENTRAL ASIA

A. -, LÖFFLER 1961c: 392-, IRAN

Apocyclops dengizicus (Lepeschkine)

card 6

Microcyclops -, Wells 1973:134

Microcyclops -, Borutzky 1960:93, fig. 37(2)

Microcyclops -, Wells & McKenzie 1973:134

Microcyclops -, Williams et al. 1984:1210, tbl. 2

Microcyclops -, Collado et al. 1984:115-

A. -, REID 1990g: 179; PROBABLE SYN. A. DINORPAUS

A. -, REID 1991d: 274

A. -, DEXTER 1993: 203-209, SALTON SEA, CALIFORNIA

A. -, W.D. WILLIAMS 1985: 89-, FIG. 4, AUSTRALIA; ALSO AS

MICROCYCLOPS -, TAB. 1

APOCYCLOPS DENGIZICUS (LEPECHKINE, 1900) 7

-- PEJCE, DE LAURENTIIS + HUMPHREYS 1996: 67, 75,

AUSTRALIA

-- PLEŞA 1981: 28

MICROCYCLOPS -, BAYLY + MORTON 1978: 2538, TAB. 1,

AUSTRALIA

A. -, ARNOFSKY 1996: 5-, FIGS. 14, 15, TABS. 1, 6, 7,

UZBEKISTAN

= APOCYCLOPS DENGIZICUS Cyclopidae - Cyclopoida

Cyclops buxtoni Gurney, ♀♂.

— — Gurney, 1921, p. 840: pl. 1.

— — Sewell, 1924, p. 798.

-- GATBHIRE ET AL 1984: 77-79, INDIA

-- KIEFFER 1949: 73, 75 - SYN. OF METACYCLOPS (= APOCYCLOPS)

DENGIZICUS

Habitat. Tigris River; Chilka Lake.

.. ARNOFSKY 1996: 108

Apocyclops dengizicus elamicus (Lindberg, 1940)

Cyclops (Metacyclops) dengizicus var. elamicus lindberg  
1940c:574-575, fig. 4a-f

A.d-, Kiefer 1967c:300-301

Apocyclops dimorphus (Kiefer, 1934)

CARD 2

Cyclops (Metacyclops) -, Kiefer 1949:73, syn. of Meta.

(=Apocyclops) dengizicus

--, Kiefer 1967c:300-301, synonym of A. dengizicus

CYCLOPS -, IZAWA 1987:154-

A. -, REID 1990g:179, PROBABLE SYN. OF A. DENGIZICUS

A. -, REID 1991d:274, SALTON SEA, CALIFORNIA

METACYCLOPS -, N.COMB., PLEŠA 1981:28

CYCLOPS -, HEDGPETH 1959:128, SALTON SEA, CA, USA

A. -, ARNOFSKY 1996:5-, FIG. 13, TABS. 1, 6, 7, SALTON SEA, CA

Apo

Cyclopidae - Cyclopoidea

Cyclops (Metacyclops) dimorphus Kiefer ♂♀. ①

— — Kiefer, 1934, p. 271: figs. 5, 6.

--, PENNAK, 1963: 357

— — Kiefer 1931

— — Yeatman 1963, pp 206-208, figs. 47-51.

— — Johnson 1953, passim.

Habitat, Salton Sea, California.

Apocyclops distans (Kiefer, 1956)

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METACYCLOPS -, KIEFER 1956: 233, 235, 256-258, FIGS.

68-78, n. sp., LAKE MARACAIBO, VENEZUELA

A. -, Kiefer 1967c: 300-302

A. - REID 1985b: 51, FIGS. 237-239

A. - PETKOVSKI 1988: 55

M. - DUSSART 1982: 320, FIG. 4A

M. -, DUSSART 1984: 65

A. -, SKET 1988: 79-, SAN ANDRES IS., COLOMBIA

A. -, REID 1990g: 179

Apocyclops distans (Kiefer, 1956)

card 2

-- Reid 1991d: 274

- - ARNOFSKY 1986: 40, FIG. 10, TABS. 6, 7

APOCYLONS ERUBERI ARNOFSKY

-- ARNOFSKY 1996: 21-37, FIGS. 3-8, TABS. 6, 7,  
SAN FRANCISCO BAY, CALIFORNIA, USA; UNPUBLISHED  
THESIS

Apocyclops japonensis Ito, 1958 7

Ito, Takashi--1957, pp. 463-469, 22 text-figs.

--Kiefer 1967c:300-302 - as A. japonicus

-- REID 1991d: 274

-- ARNOFSKY 1996: 40 -, FIG. 12, TABS. 6, 7;

"JAPONICUS" - p. 113

APOCYCLOPS JAPONICUS - SEE A. JAPONENSIS

~~Metacyclops~~ Apocyclops Cyclopidae — Cyclopoidea.  
Cyclops panamensis (Marsh, ♀)

— — Marsh, 1913, p. 16: pl. 4, fig. 1-4.

— — Kiefer, 1929, p. 74:

-- --, Yeatman, 1963. pp. 205-208, fig. 36-46

--, Yeatman, 1966, p. 308

--, Schmitt, 1954, p. 440.

--, COZON DU REST, 1963: 139, 153, LOUISIANA

Habitat. Panama -

--, PENNAK, 1963: 357

--, COMITA, 1951: 374; PL. I

--, DODDS 1926: 25.

Pesce, 1985: 307  
JAMAICA (Cuba)  
DONAIRE (as Metacyclops)  
CAYMAN'S

-Pesce, 1985: 307, fig. 27-31 -AS METACYCLOPS

Apocyclops panamensis (MARS, 1913)

CARD 2

-- -- Lindberg, 1955, p. 460, 461, 462, 483, 486-87

-- KIEFFER 1967c: 300-302; SYNONYME - A. VIDUUS  
(KIEFFER, 1933).

-- REID 1985b: 51, FIGS. 234-236; SYNONYM

A. PANAMENSIS VAR. TANNICA DAVIS

-- -- Straskraba & Legner, 1969: 24 Cuba

-- REID 1988b: 192, 193, COLOMBIA

-- PETROUSKI 1988: 51-55, FIGS. 21-27, COLOMBIA;  
GIVES SYNONYMY.

-- DUMONT & MAAS 1988b: 4-5, FIGS., IVORY COAST

Apocyclops panamensis (Marsh, 1913)

card 3

-- Marten et al. 1989: 626, Colombia

Microcyclops -, Smith & Fernando 1978, passim, Cuba

Microcyclops -, Comita 1951:370, 371-372, 374, Tab. 1

Microcyclops -, Smith & Fernando 1980a:11, 18, figs. 8A\_C,

Cuba

Microcyclops -, Smith & Fernando 1980b:12, figs. 60-62, Cuba

MICROCYCLOPS -, COLLADO ET AL. 1984:115-, CUBA

A. -, DEFAYE & DUSSART 1988(89): 110, 112, 119, FIG. 88-93,

FRENCH GUIANA

APOCYCLOPS PROCERUS (HERBST, 1955)

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RIO DE JANEIRO

- CYCLOPS (METACYCLOPS) -, HERBST 1955: 227-228, pl. 35 e-j -  
-- , REID + ESTEVES, 1984, 310, 312, 315, 319, 322 - RJ  
-- PUSSART 1984: 65  
-- KIEFFER 1967c: 300-302  
-- REID 1985b: 51, FIGS. 240-242  
-- PETKOUSKI 1988: 54  
-- DEL RIO + VALDIVIA 1989: 73, PL. 3 (33-35), PERU  
-- REID 1990g: 179  
-- REID 1991d: 274

-- Lansac Toha & Lima 1993: 91-, Tab. 1, S. Paulo, Brazil

METACYCLOPS -, PEESSA 1981: 28, n. comb.

A. -, ARNOFSKY 1996: 5, 45-, FIG. 9, TABS. 1, 6, 7,  
RIO DE JANEIRO, BRAZIL

A. -, DOMINGOS ET AL. 1998: 1438, RIO DE JANEIRO, BRAZIL

A. -, ATTAYDE & BOZELLI 1998: 1399, FIG. 2, " " "

Apocyclops royi (Lindberg, 1940)

Cyclops (Metacyclops) royi Lindberg, 1940c: 575-578,

Apocyclops royi Lindberg, 1954 FIG. 5a-5 n.sp.

--, Academia Sinica, 1979: 394-395; FIG. 235, 236

-- KIEFFER 1967c: 300-302

-- REID 1991d: 274

-- ARNOFSKY 1996: 5-, FIG. 16, TABS. 1, 6, 7, TAIWAN

Apocyclops spartinus (Ruber, 1968)

Cyclops (Apocyclops) -, Ruber 1968:368-375, figs. 1-21,  
n. sp. - New Jersey salt marsh

Apocyclops -, Bircher & Ruber 1988:520-523, Massachusetts

A. -, REID 1991d: 274

A. -, ARNOFSKY 1996: 5-, FIG. 17, TABS. 1, 6, 7, MAINE,  
MASSACHUSETTS, VIRGINIA, USA

~~META~~ - APO -

Cyclopidae - Cyclopoida

Cyclops viduus (Kiefer) ♂ 1

— — Kiefer, 1933, p. 411: Figs. 7-11

METACYCLOPS -, LINDBERG 1955: 488

METACYCLOPS -, COLLADO ET AL. 1984: 115-

Habitat Bonaire, Curacao, Aruba

Apocyclops viduus (Kiefer, 1933)

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-- Kiefer 1967c:300-302, synonym of A. panamensis

C.M.)-, REID 1990g: 179, POSSIBLE SYN. OF A.P.

APOCYCLOPS sp.

- REID + ESTEVES, 1984: 312