

Metacyclops kiefer 1927

①

- Lindberg, 1961a: 142-145 Key.
- REID 1985b: 50, ~~51~~ KEY TO SOUTH AMERICAN SPECIES.
- ROCHA & BJORNBERG 1987: 99, APOCYCLOPS NOT A SUBSPECIES.
- REID 1987c: 129-131, KEY TO NEW WORLD SPECIES
- SHEN & TAI 1964c: 373-, MODIFIED DIAGNOSIS; 375
- ROCHA & BJORNBERG 1988: 448
- HERBST 1988: 149-152, WORLD KEY
- GAUTHIER 1951: 121, = MICROCYCLOPS

Metacyclops Kiefer, 1927

card 2

- Reid 1991c:639-, M. cushae n. sp., 1st NA representative

- DUSSART & SARNITA 1986:125, cf. MICROCYCLOPS  
(MEDIOCYCLOPS) N. SUBGEN.

- PLESA 1981:28, PROPOSED 3 SUBGENERA

Metacyclops aequatorialis Dussart 1978

-- Dussart, 1977<sup>9</sup>: 834-835 fig 5d-h

-- HERBST 1988: 149-151

-- DEFAYE 1993: 149-150

Metacyclops agnitus Herbst, 1988

-- Herbst 1988: 137-144, figs. 1-25, n. sp. ♀♂, Barbados

-- REID 1990g: 181

Metacyclops amoenus Mann, 1940

-- Herbst 1988: 149

Metacyclops arenicolpus Fryer, 1956

- Fryer, G. 1956, pp. 226-231, figs. 1-11, n. sp. MALAWI

- HERBST 1988: 151

- DEFAYE 1993: 149-150

Metacyclops arnaudi (G.O. Sars, 1908)

Cyclops Arnaudi, G.O. Sars 1908b:17-18, Pl. IV figs. 1-8,  
n. sp., St. Arnaud, southern Australia

C. a., Kiefer 1929:74

Metacyclops a., Lindberg 1953g:3-8

M. a., Kiefer 1967c:292, 296-298, Figs. 9-16, redescribed  
female and male, Australia

M. a., Herbst 1988:150

MICROCYCLOPS -, M.C. GEDDES 1976:1, VICTORIA, AUSTRALIA

M. a., PESCE, DE LAURENTIIS & HUMPHREYS 1996:67-

Metacyclops arnaudi platypus Kiefer, 1967

---, Kiefer 1967c:292, 298-300, Figs. 17-20, n. ssp.

♀♂, Australia

--- HERBST 1988:150

--- PESCE, DE LAURENTIS, + HUMPHREYS 1996:67-



Metacyclops (Metacyclops) botosaneanui

- Pesce, 1985: 302 - 304, fig 16-20

-- REID 1987c: 130

-- HERBST 1988: 150

-- REID 1990g: 181

Metacyclops brauni Herbst

-- -- Herbst, 1962. pp. 271-274, fig. 38-45

-- DUSSART 1984: 59, 65

-- REID 1985b: 52, FIGS. 255-258

-- REID 1987c: 130

-- HERBST 1988: 150

-- GONZALEZ DE INFANTE 1988: 108, FIG. 36 (12)

-- ROCHA 1994: 133-

-- PLESA 1981: 30

Metacyclops campestris Reid, 1987

-- Reid 1987c: 121-123, 127-129, 131, n. sp. ♀♂, central Brazil; figs. 17-33

-- HERBST 1988: 151

-- REID 1991d: 271

-- ROCHA 1994: 133, 136-137, 141, FIG. 5

-- REID 1993(1994)a: 60-, CENTRAL BRAZIL

-- HAMER ET AL. 1996: 132

Metacyclops chelazzii Dumont, 1971

- Dumont, 1981, new species, pp. 108-110 figs 19-30  
Somalia

-- HERBST 1988: 149-

-- DUMONT & MAAS 1987a: 88-90, SOMALIA

- CHELAZZI, DEFAYE 1993: 149-150

Metacyclops communis (Lindberg, 1938)

Cyclops (Metacyclops) communis, Lindberg 1938b:296-302,  
figs. 3(#13-18), n. sp., India

Cyclops (Metacyclops) minutus var. communis, Lindberg  
1940c: 582-583, fig. 7

Metacyclops communis, Herbst 1988: 150

MICROCYCLOPS MINUTUS F. COMMUNIS, GAUTHIER 1951: 128  
M.C., DEFAYE 1993: 148

Metacyclops concavus Kiefer

1937, page 478-479, Abb. 22-26

— Lindberg, 1950h: 53-54

-- HERBST 1988: 150

.. DEFAYE 1993: 149-150

Metaeuclops curtispinosus Dussart, 1984

--Dussart, 1984: 35, 41, 58, 65, fig. 21: n. sp. ♀ ONLY

VENEZUELA

-- REID 1985b: 51-52, FIGS. 249-251

-- REID 1987c: 130

-- HERBST 1988: 150

-- GALASSI & PESCE 1994: 284

Metacyclops cushae Reid, 1991

-- Reid 1991c: 639-646, figs. 1-4, n. sp. female + male,  
Louisiana, ditch, swale (ephemeral)

-- ROCHA 1994: BRAZIL - p. 133 - AFTER REID RECORD -  
CEARA'

-- REID + MARTEN 1995: 39, TAB. 1, LOUISIANA, USA

-- GALASSI + PESCE 1994: 287



Metacyclops dengizicus (Lepeschkin) - see

Apocyclops dengizicus

METACYCLOPS DENTATUS PLESA, 1981

M. PALUDICOLA DENTATUS, N. SSP., PLESA 1981: 28-30,  
FIGS. 48-50, CUBA.

M. DENTATUS, NEW RANK, REID 1987: 129, 130

M. D., HERBST 1988: 151

M. P. D., DEFAYE + DUSSART 1988 (1989): 120

M. D., REID 1990: 181 (IN LIST)

M. D., GALASSI + PESCE 1994: 287

Metacyclops denticulatus Dussart & Frutos, 1986

- DUSSART & FRUTOS 1985(1986): 311, FIGS. 36-41,  
AOND, NORTHERN ARGENTINA; ♀ ONLY
- Reid 1987c: 130

-- HERBST 1988: 150

-- REID 1991c: 642, NEW CHARACTERS

-- ROCHA 1994: 141

-- REID & MARTEN 1995: 40, NOT IN LOUISIANA, USA

Metacyclops (Metacyclops) dianae      Pesce

— Pesce, 1985: 304., fig. 21-26

-- REID 1987c: 130

-- HERBST 1988: 151

-- REID 1990g: 181

Metacyclops dimorphus (Kiefer, 1934) -- see

Apocyclops dimorphus

Metacyclops distans Kiefer - see Apocyclops

<sup>ETA</sup>  
Microcyclops exsulis (Gauthier, 1951)

Cyclops (Microcyclops) exsulis, Gauthier 1951:115-123,

Pls. 31 figs. E,F, 32, 33 figs. A-C,G, n. sp. ♀♂,  
Senegal

-- DUSSART + DEFAYE 1985: 109, SYN. OF

METACYCLOPS GRACILIS

Metacyclops gasparoi Stoch, 1987

--Herbst 1988: 150

--BRANCELT 1987: 14

--HAMER ET AL. 1996: 92



METACYCLOPS GELTRUDEAE GALASSI & PESCE, 1994  
-- GALASSI & PESCE 1994: 284-287, FIGS. 1-7, N.SP.,  
VENEZUELA

(Metacyclops) Cyclopidae - Cyclopoida,

Cyclops gracilis Lilljeborg, ♀. ①

— — Lilljeborg, 1853, p. 208.

— — Herrick, 1895, p. 117: pl. 19, figs. 10-11.

— — Matscheck, 1910, p. 39: pl. 4, figs. 1-19.

a synonym of Mesocyclops gracilis.  
(Sars, 1914, p. 63)

— — Landé, 1890, p. 71: pl. 19, f. 99-106.

- diaphanus Schmeil (mit Fischer), 1890, p. 33
- gracilis Schmeil, 1892, p. 110: pl. 6, f. 14-16
- — Tilljeborg, 1901, p. 691 pl. 4: f. 20-22
- — Gurney, 1933, p. 272: figs. 1801-1817.
- — Kiefer, 1929, p. 72;
- —, Roen, 1957, p. 96
- (Mesocyclops-Metacyclops)-, Pesta, 1928, p. 118-9, fig. 100
- —, Sramek-Husek, 1941, p. 39
- —, SHEN, JAI, 1964c: 373
- —, Cederstrom 1893: 152.

Cyclops (Metacyclops) gracilis Lilljeborg

card 2

--- Heberer 1937b: 79, Fig. 6 - chromosomes

-- CLAUSS 1893c: 286, IN SUBGEN. MICROCYCLOPS

METACYCLOPS -, GAUTHIER 1951: 123

CYCLOPS -, BURRILL + ZWERNER 1972: 140, CHESAPEAKE BAY

M. -, PLESA 1981: 28

META -, WYNGAARD + CHINNAPPA 1982: 509, TAB. 5;

MICROCYCLOPS -, 490 -

META-

Microcyclops gracilis (Lillj.)

3

--, Proszynska, 1962, p. 29

-- MÄEMETS + VELDRE 1956a: 21

-- VELDRE + MÄEMETS 1956: 56, 59, PL. IX FIGS. 13-15,

ESTONIA

— Damian-Georgescu, 1963: 169-172, fig. 88-89

-- BORUTZKY, 1960: 94, FIG. 37(4); 213

MIKROCYCLOPS-, CLAUS 1893e: 305, PLATE III, FIG. 6

Metacyclops gracilis (Lilljeborg, 1853)

— Lindberg, 1951a: 235—

-- -- Lindberg, 1955, p. 107.

-- -- Lindberg, 1950, pp. 7-10, chart.

-- -- Lindberg, 1950, pp. 301-312.

--, Kiefer, 1958, p. 53

--, CHAMPEAU 1971: 158.

— Lindberg, 1940c: 567-568

= Cyclops (Metacyclops) gracilis

var. margaretae  
(Lindberg).

Metacyclops gracilis (Lilljeborg) (Sars)?

card 5

--Dussart 1984: 65

--LINDBERG 1950c: 64, 69, 71

--RÖBEN 1970: 115-146 - GERMANY

— Kiefer, 1978: 215

C. —, SHEN + TAI 1964c: 373

C. —, FORRÓ 1986: 559

— Maier, 1989: 97-110 figs 2-5, 7 Tab 2-4 W. Germany

--HERBST 1988: 151

C. —, SCHAUS 1908: 167, GERMANY

Metacyclops gracilis (Lilljeborg)

card 6

Cyclops -, Brehm 1908a: 450-

C. -, VAN DOUWÉ 1909b: 37, FIGS. 141-143, GERMANY

META. -, LÖFFLER 1959c: 340-, AUSTRIA

M. -, MAIER 1990a: 492-, GERMANY

MESOCYCLOPS -, KRISHNASWAMY 1957d: 138

M. -, DAVIS<sup>J.</sup> 1979: 44-45, TEXAS CAVE

CYCLOPS (MICRO.) -, HARDING + SMITH 1974: 41-, BRITAIN

- - REID 1991c: 639-, DISCUSSES NA RECORDS

M. -, ALEKSEEV 1990b: 32-, DIAPAUSE



Metacyclops gracilis (Lilljeborg)

card 7

-- Reid 1991d: 272

-- ARNOFSKY 1996: 118, FIG. 32

CYCLOPS -, BREEMEN, VAN, 1907: 43-45, PL. I FIGS. 56, 57,

NETHERLANDS

M. -, DEFAYE, DUSSART, FERNANDO + SARNITA 1987: 3144

M. -, DEFAYE 1993: 149-150

= METACYCLOPS

Cyclopidae - Cyclopoida.

Mesocyclops gracilis (Lilljeborg), ♀.

Cyclops - Lilljeborg, 1853, p. 208 (Appendix).

— — Herrick, 1895, p. 117: pl. 19, figs. 10-11.

— — Matscheck, 1910, p. 39: pl. 4, figs. 1-19.

Mesocyclops - Sara, 1914, p. 63: pl. 39.

MES; KIEFFER 1927: 72-73, FIG. 12

Habitat, Sweden: Germany: Poland:  
Minnesota: Norway:

MES; KIEFFER 1927: 201, GERMANY

*Cyclops diaphanus* Schmeil, 1891,

--, Pesta, 1928, p. 118

Metacyclops gracilis var. margaretae (Lindberg)

--Lindberg 1940c: 567-568

Metacyclops grandis (KIEFFER, 1935)

- -- Lindberg, 1954, pp. 193-222.
- DUSSART 1984: 65
- REID 1985b: 51, FIGS. 246-248
- REID 1987c: 129
- HERBST 1988: 150

Metacyclops grandispinifer (Lindberg, 1940

Cyclops (Metacyclops) -, Lindberg 1940c: 569-571, fig.

2a-d, n. sp. Turkey, Iran

M. -, Lindberg 1950f: 105-107

M. -, Lindberg 1961a: 140-141, fig. 3a-e

M. -, Dussart 1981c: 162

M. -, Herbst 1988: 150

M. -, LÖFFLER 1961c: 393

METACYCLOPS HANNENSIS DEFAYE, 1993

-- DEFAYE 1993: 145-150, FIGS. 1-15, N.SP., SENEGAL

Metacyclops hartmanni Herbst

-- --, Herbst, 1960. pp. 39-41, fig. 23-27

-- DUSSART 1984: 65

-- REID 1987c: 130

-- HERBST 1988: 150

-- COLLADO ET AL. 1984: 115-

-- HERBST 1990: 75-

-- REID 1990g: 181



Metacyclops hirsutus Rocha, 1994

-- Rocha 1994: 133, 138-139, Figs. 6-10, n.sp. female +  
male, Brazil (Sao Paulo)

Metacyclops janstocki Herbst, 1990

-- Herbst 1990:75-81, figs. 1-23, n. sp., ♀♂, Antigua

-- REID 1991c: 639, 642

-- ROCHA 1994: 139 -

-- GALASSI + PESCE 1994: 287

Metacyclops laticornis (Lowndes, 1934)

card 1

Cryptocyclops -, Lowndes 1934: 127-, fig. 16a-f, n.sp.

Brazil

Metacyclops -, Lindberg 1954: 193-222

M. -, Dussart 1984: 65

M. -, Reid 1985b: 52, figs. 259-261

M. -, Reid 1987c: 130

M. -, Herbst 1988: 150

M. -, Herbst 1990: 75-

M. -, ~~Herbst~~ Menu-Marque 1990: 107, Argentina

Metacyclops laticornis (Lowndes, 1934)

card 2

-- Reid 1991d: 272

-- Rocha 1994: 133-

-- Reid 1993(1994)a: 60-, central Brazil

-- LOPES ET AL. 1997:45, TAB. 1c, PARANÁ, BRAZIL

METACYCLOPS CFR. LATICORNIS DUSSART + FRUTOS 1988<sup>6</sup>  
- CF. -, DUSSART + FRUTOS 1985 (1986): 312, FIGS.  
42-45, NORTHERN ARGENTINA  
--- HERBST 1990: 81

META -

Cyclops leptopus Kiefer, ♀ ♂

C. -, KIEFER 1927: 116-117, FIGS. 6-10, N. SP., URUGUAY

— — Kiefer, 1928, p. 73:

--, Kiefer, 1957, p. 142 (syn. C. mendocinus Kiefer  
1926 - non C. mendocinus Wierzejski 1893)--, Kiefer, 1956, p. 253, see Metacyclops leptopus  
mucubajiensisHabitat Peru, Bolivia

Metacyclops leptopus (Kiefer, 1927)

(2)

- -- Lindberg, 1955, p. 13-16, fig. 7a-c.
- -- Lindberg, 1958, pp. 39-52.
- Löffler, 1963, p. 216-217.
- -- Lindberg, 1954, pp. 193-222.
- , Kiefer, 1957, pp. 142-44, figs. 40-47.
- , Brehm, 1951, p. 96-7
- Löffler, 1972: 405
- Löffler, 1958: 21
- DUSSART 1984: 65
- PETROUSKI 1988: 48-
- HERBST 1988: 151
- MICROCYCLOPS -, HARDING 1955: 220, 243, L. TITICACA

Metacyclops leptopus (Kiefer, 1927)

card 3

Microcyclops -, Pawley & Alfaro 1984: 1258

METACYCLOPS -, DEL RÍO M. 1989: 79, 80, 82, L. TITICACA

-- REID ET AL. 1990: 679, KEY TO SUBSPECIES



METACYCLOPS LEPTOPUS LEPTOPUS (KIEFER, 1927)

- , REID 1985b: 53, FIGS. 265-267
- , REID 1987c: 130
- , DEL RÍO + VALDIVIA 1989: 73-, PL. 3 (31-32),  
PERU
- ST., REID ET AL. 1990: 676-

Metacylops leptopus mucubajiensis Kiefer, 1956

n. subsp. Kiefer, 1956, p. 235, 253-4, figs. 55-60

-- DUSSART 1984: 38, 41, 58, 65, FIG. 208

-- REID 1985b: 53, FIGS. 268-270

-- REID 1987c: 130

-- PETKOUSKI 1988: 48-

--- HERBST 1988: 151

--- REID ET AL. 1990: 676-

--- GALASSI + PESCE 1994: 284

Metacyclops leptopus totaensis Reid, Molina<sup>AREVALO</sup> &  
Fukushima, 1990

--- Reid et al. 1990: 674-680, figs. 1-22, n. ssp. ♀♂,  
Lago de Tota, Colombia

--- REID 1991c: 639, 642

--- REID 1991d: 272

--- ROCHA 1994: 139 -

--- GAVIRIA 1993: 906, PÁRAMO LAKES, COLOMBIA

--- GALASSI + PESCE 1994: 287

Metacyclops leptopus venezolanus Kiefer, 1956

n. subsp., Kiefer, 1956, p. 233, 235, 255-256,  
figs. 61-67

-- DUSSART 1984: 58, 65

-- REID 1985b: 53, FIGS. 271-273

-- REID 1987c: 130

-- PETROUSKI 1988: 48 -

M. MENDOCINUS VENEZOLANUS, HERBST 1988: 151

--- REID ET AL. 1990: 676 -

M. MENDOCINUS VENEZOLANUS, ROCHA 1994: 133

A.L.V., GALASSI + PESCE 1994: 284

Metacyclops lusitanus sp. n. Lindberg, 1961

-- -- Lindberg, 1962, p. 35.

-- -- Lindberg, 1961, <sup>ov</sup>p. 138. - 140, fig. 1a-d.

-- HERBST 1988: 150

METACYCLOPS

Cyclopidae - Cyclopoida:

Cyclops malayicus (Kiefer) ♀

CYCLOPS (METACYCLOPS) MALAYICUS

— — Kiefer, 1933, p. 572 : figs. 120 - 123.

M. —, HERBST 1988: 150

Habitat. Sumatra

Metacyclops margaretae (Lindberg, 1938)

Cyclops (Metacyclops) -, Lindberg 1938b:291-296, fig. 2  
(7-12), n. sp., India

Microcyclops -, Gauthier 1951:122-

CYCLOPS (METACYCLOPS) GRACILIS VAR. MARGARETAE,  
LINDBERG 1940: 567-568, FIG. 1a-e

Metacyclops mendocinus (Wierzejski) 1893

-- --, Herbst, 1960. pp. 35-39, fig. 14-17

-- --, Petkovski, 1963. pp. 13-18, fig. 1-10

-- -- Lindberg, 1954, pp. 193-222.

-- --, Loffler, 1962, <sup>1?</sup> p. 174, f. 101-104

-- Loffler 1963, p. 216-217.

--, LINDBERG, 1955: 486 - 487

--, Dussart, 1979, p. 10, fig. 5

--, Petkovski, 1963, p. 13-17, figs. 1-10

--, Ringuelet, 1959, p. 317

--, Sendacz & Kubo, 1982, p. 51, 76, 80, 82, figs. 57-63

--, Cicchino, 1974: *passim*, fig. 29-34



METACYCLOPS MENDOCINUS (WIERZETSKI)

CARD 2

-- DUSSART 1984: 58, 65

-- MARGALEF 1961: 79, 96-98, FIG. A.

-- SENDACZ ET AL. 1984: 1628, 1629.

-- ZUÑIGA & DOMÍNGUEZ 1977: 112, Chile

-- BOLTOVSKOY ET AL 1984: 140-154, ARGENTINA

-- REID 1985b: 52, FIGS. 262-264

— Resce, 1985: 305, fig. 32-34

— Steinitz-Kannan, et al, 1983: 84, 87, 89

-- REID 1987c: 130

Metacyclops mendocinus (Wierzejski)

card 3

-- Reid et al. 1988: 527-, Minas Gerais, Brazil

-- *Montú 1980b: 57; LAGOA DOS PATOS, BRAZIL*

Microcyclops -, Lindberg 1955: 486

Micro-, Smith & Fernando 1978: passim

Micro- mednocinus, Smith & Fernando 1978a: 11, 18, figs.

8d-g, Cuba

Micro. mednocinus, Smith & Fernando 1978b: 12, figs. 63-

66, Cuba

Micro-, Montú & Gloeden 1986: 115-, fig. 35j-m, Brazil

Metacyclops mendocinus (Wierzejski, 1892)

card 4

-- Zuñiga & Araya 1982(85): 48-, Chilean reservoir

-- PETKOVSKI 1988: 48-51, Figs. 13-17, 18-20, COLOMBIA  
(GIVES SYNONYMY)

-- HERBST 1988: 151

MICROCYCLOPS-, HARDING 1955: 220, 243, BOLIVIA

-- REID + MORENO 1990: 721-, PANTANAL, BRAZIL

-- DEL RÍO M. 1989: 79-82, Figs. 1-4, PERU; GIVES  
SYNONYMY.

-- DEL RÍO + VALDIVIA 1989: 73-, Pl. 3 (29-30), PERU

Metacyclops mendocinus (Wierzejski, 1892)

card 5

-- Reid et al. 1990:679-680

MICROCYCLOPS -, COLLA DO ET AL. 1984:115-, CUBA

META. -, REID 1990g:181

- PAGGI + PAGGI 1990:690-, RIO PARANA' MÈDIO, ARGENTINA

CYCLOPS -, THIÉBAUD 1912(14):161, 166-167, COLOMBIA,  
ARGENTINA.

META. -, REID 1991d:268-

META. -, ROCHA 1994:133-, BRAZIL (<sup>CEARA'</sup>~~PERNAMBUCO~~)

META. -, REID 1993(1994)a:60, CENTRAL BRAZIL

Metacyclops mendocinus (Wierzejski, 1892)

card 6

-- Matsumura-Tundisi et al. 1990: 142-, Barra Bonita  
Reservoir, SP, Brazil

C. -, KIEFFER 1927: 117, URUGUAY

-- REID + PINTO - COELHO 1994: 105

-- GALASSI + PESCE 1994: 284

-- SANTOS + ANDRADE 1997: 221-225, SÃO PAULO, BRAZIL

METACYCLOPS MICROPUS KIEFFER, 1932

CYCLOPS (METACYCLOPS) -, KIEFFER 1932: 526-

IVORY COAST, FRENCH WEST AFRICA.

C. -,

C. -, KIEFFER 1933: 133-, FIGS. 32-36

METACYCLOPS -, DUSSART 1981: 162

M. -, HERBST 1988: 151

M. -, DEFAYE 1993: 149-150

~~Metacyclops~~

Cyclopidae — Cyclopoida.

Cyclops minutus Claus, ♀. ①

— Claus, 1863, p. 102: pl. 10, fig. 6-8.

— Heller, 1871, p. 72.

a synonym of Cyclops diaphanus.  
(Sars, 1913, p. 52).

— Kiefer, 1929, p. 74: fig. 28.

— Kiefer, 1928, p. 395.

Metacyclops minutus (Claus). — Kiefer, 1952 (Algerian cop.), p. 92-94, fig. 10-14

—, Cederström 1893: 152.

— — Gurney, 1933, p. 266 : figs. 1785-1800  
— —, LINDBERG, K, 1942, P. 139. INDIA

- (Metacyclops)-, Herbst, 1953, p. 150

--, REED, 1968: 251

- (Microcyclops)-, Fryer & Smyly 1954: 70.

- Chappuis, 1927: 44

— Lindberg, 1940c : 578-582, fig. 6a-e.

— Lindberg, 1942d : 139, fig. 1.

-- CLAUS 1893e: 341-342

MEGACYCLOPS -, STELLA + MARGARITORA 1975/76:

4-, SARDINIA



=MÄTA-

Microcyclops minutus (Claus)

②

- --, Ponyi, 1967, p. 178
- --, Ponyi, 1967, p. 180-181
- , CHAMPEAU 1971: 152.
- , Gophen, M., 1980. p 47
- MARCUS, 1976: 214, tab. 1.
- MÄEMETS + VELDRE 1956a: 21, ESTONIA
- VELDRE + MÄEMETS 1956: 56, 59-60, PL. IX FIGS.  
16-19, ESTONIA
- Damian-Georgescu, 1963: 172 - 174, fig. 90-91
- BORUTZKY, 1960: 93, FIG. 37(3); 213

= META-

MICROCYCLOPS MINUTUS (CLAUS)

CARD 3

-- CLAUS 1893c: PLATE I, FIGS. 14, 15

— Sterba, 1968: 222

-- GAUTHIER 1951: 121-

CYCLOPS -, RICHARD 1887a: 161, FRANCE

META. -, LÖFFLER 1961c: 392-, IRAN

META. -, KIEFFER 1938: 124, 125, MOROCCO

META. -, JEJE + FERNANDO 1992: 245-, NIGERIA

= ~~ME~~ <sup>ETA</sup> CYCLOPS  
Metacyclops minutus (CLAUS, 1863)

43 ⊗

- Lindberg, 1948 b: 76-
- -- Lindberg, 1959, p. 11.
- -- Lindberg, 1962, p. 35.
- -- Lindberg, 1962, p. 274 ~~276~~. 274
- -- Lindberg, 1962, app. 5-19. 15
- -- Lindberg, 1956, p. 114.
- -- Lindberg, 1955, p. 107.
- -- Lindberg, 1950 b: ~~32~~ 32
- -- Lindberg, 1950 f pp. 105-107.
- -- Lindberg, 1950, p. 9, chart.
- -- Lindberg, 1949, p. 8.
- —, Dassart 1967: 103 fig 6

-- -- Lindberg, 1952, pp, 193-196.

~~← -- Lindberg, 1952, pp.~~

-- -- Lindberg, 1953, pp. 19-39.

— Lindberg, 1951a: 239 - 242.

-- -- Lindberg, 1950, pp. 301-312.

--, SHEN & TAI, 1964c: 373, 375, 391; TAB. 6

--, ACADEMIA SINICA, 1979: 398-400; FIG. 238-239; SEE P.  
398-399 FOR SYNONYMS

--, BELKN & COLE, 1975: 212

--, DUMONT & DECRAEMER, 1977: 258

--, COLE 1968: 468-469.

--, Fernando, 1980: 461. }

= ~~META~~ CYCLOPS

Metacyclops minutus (Claus, 1863)

5  
card 24

-- Dussart 1981c: 162

- Dussart & Fernando, 1985: 245, fig. 90-91

- Alonso & Comelles, 1984: 174

- Kiefer, 1978: 215

- BONACINA ET AL. 1988: 538-, L. ORTA, ITALY

- SHEN & TAI 1964c: 373

-- HERBST 1988: 144-

META. -, LÖFFLER 1959c: 340-, AUSTRIA

META. -, FIERS & VAN DE VELDE 1984: 183-, FIG. 9 F,

RIO DE ORO

= META-

Microcyclops minutus (Claus, 1863)

card 6

Cyclops (M.) -, Harding & Smith 1974:30-, Fig. 13a, 15d,  
Britain

METACYCLOPS -, MAIER 1991: 49-54, SOUTH GERMANY

MICRO. -, REID 1992a: 248

META. -, ALEKSEEV 1992a: 18 -

META. -, BOXSALL & BRAIDE 1991: 187, FIG. 35,  
SOUTH WEST NIGERIA

META. -, W.D. WILLIAMS 1985: 97 -

C. -, KIEFFER 1927: 203, GERMANY

C. -, SCHACHTER 1958: TAB. 3, FRANCE

METACYCLOPS MINUTUS (CLAUS)

7

-- LESCHER - MOUTOUF' 1996: 907 -

-- DEPAYE 1993: 149-150

CYCLOPS -, BREEMEN, VAN, 1907: 44-45

= META -

Microcyclops minutus bernieri

--- Gauthier 1951:128--



Metacyclops minutus var. communis - see M. communis

Metacyclops minutus f. prolata (Kiefer) - see

Metacyclops prolatus

= META -

Microcyclops minutus senegalensis (Gauthier, 1951)

Cyclops (Microcyclops) minutus senegalensis, Gauthier  
1951:123-128, Pl. 33 figs. D\_F,H,I, 34,n. ssp. ♀♂,  
Senegal

META - M.S., DEFAYE 1993:149-150

Metacyclops monacanthus (Kiefer, 1928)

-- Herbst 1988: 150

MICROCYCLOPS (META-) MONOCANTHUS, LEWIS, M. H.

1975: 275

METACYCLOPS MORTONI PESCE, DE LAURENTIIS +  
HUMPHREYS, 1996

-- PESCE ET AL. 1996: 67, 68-71, FIGS. 1-15, N. SP.,  
WELLS, W. AUSTRALIA

Metacyclops mutatus Herbst, 1988

-- Herbst 1988: 137, 144-149, figs. 31-48, n. sp. ♀♂,

Aruba

-- REID 1990g: 181

METACYCLOPS

Cyclopidae - Cyclopoida

Cyclops necessarius

Kiefer, ♂, ♀

C. — Kiefer, 1929, p. 72 :

C. — Kiefer, 1926, p. 268: fig. 5a - b;

C. — Kiefer, 1934, p. 164: figs. 110 - 117.

METACYCLOPS -, HERBST 1988: 151

M. -, DEFAYE 1993: 149 - 150

Habitat South Africa

Metacyclops oraemaris Rocha, 1994

-- Rocha 1994: 133-136, figs. 1-4, n.sp. female + male,  
Brazil (Sao Paulo, Rio de Janeiro)



Metacyclops paludicola (Herbst, 1959)

Microcyclops -, Dussart 1984: 65

Microcyclops -, Reid 1985b: 54, figs. 278-281

-- Reid 1987c: 124, 130 - transferred to Metacyclops

METACYCLOPS -, HERBST 1988: 152

-- ROCHA 1994: 133-

-- PLESA 1981: 28

METACYCLOPS PALUDICOLA DENTATUS - SEE

METACYCLOPS DENTATUS

Metacyclops panamensis - see Apocyclops

METACYCLOPS PECTINIATUS SHEN & TAI, 1964

-- SHEN & TAI, 1964c: 367, 374-375, 391-392; FIG. 19-29;

TAB. 6

--, ACADEMIA SINICA, 400-402; FIG. 240-241

-- HERBST 1988: 150

METACYCLOPS

Cyclopidae - Cyclopoidea

Cyclops planus Gurney ♂, ♀

①

Kiefer, 1929, p. 75:

Gurney, 1909, p. 293: pl. 12, figs. 24-27.

—, Lindberg, K. 1942: 139.

—, Gauthier, 1934: 65

—, Chappuis, 1927: 44 (syn. C. halepensis)

Habitat Tunis, Egypt; Syria

— Lindberg, 1940c: 585-588, fig. 9a-f.

— Lindber.

Metacyclops planus (Gurney)

- -- Lindberg, 1962, p. 35.
- -- Lindberg, 1956, p. 114.
- -- Lindberg, 1950, p. 30, chart.
- -- Lindberg, 1950f pp. 105-107.
- -- Lindberg, 1952, pp. 193-196.
- \*\* -- Lindberg, 1953, pp. 19-39.

- - DUSSART 1981c: 162
- MONOHEENKO 1986: 337
- Kiefer, 1978: 215
- HERBST 1988: 149

Metacyclops planus (Gurney)

card 3

-- Löffler 1959b: 11-, Austria (Seewinkel)

-- LÖFFLER 1959c: 340-, " "

-- LÖFFLER 1961c: 393

MICROCYCLOPS -, GAUTHIER 1951: 121-

MICROCYCLOPS -, BORUTZKY 1960: 92, FIG. 37(1)

MICROCYCLOPS -, DAMIAN-GEORGESCU 1963: 174-176,

FIGS. 92-93, ROMANIA

MICROCYCLOPS -, MARCUS & IONESCU 1974: 124, ROMANIA

MICROCYCLOPS -, MARCUS 1976: 214, TAB. 1

Metacyclops planus (Gurney)

card 4

- Pesce & Galassi 1987d: 204-, Italy
- PANDOURSKI 1994: 5, 11-, FIGS. 4 F, G, 6 b, c,  
BULGARIA
- ARNOFSKY 1996: 118
- DEFAYE 1993: 149



Metacyclops postojnae Brancelj 1987

-- Brancelj 1987:1,3,4,11-15, figs. 4,5, n. sp. ♀ only,  
cave, Yugoslavia

-- REID 1991c: 639, 642

-- HAMER ET AL. 1996: 92

-- GALASSI & PESCE 1994: 287

Metacyclops problematicus Dumont, 1973

- Dumont, 19
- Kiefer, 1978: 215
- HERBST 1988: 151

Metacyclops procerus (Herbst) - see Apocyclops

Metacyclops prolatus (Kiefer, 1935)

Cyclops (Metacyclops) minutus f. prolata Kiefer 1935:

---, Kiefer 1939:

Metacyclops f. -, Lindberg 1951e:431

--f. Kiefer 1958: 160

--f.-, Dussart 1982: 64, pl. 15A

Metacyclops prolatus, Herbst 1988:150

-- GAUTHIER 1951: 122, 128

N. MINUTUS PROLATUS, DEPAYE 1993: 149-150

Metacyclops pseudo-anceps (Green, 1962)

MICROCYCLOPS PSEUDO-ANCEPS, GREEN 1962:

Metacyclops -, comb. nov., Dussart & Defaye 1985:

Metacyclops -, Reid 1991c: 639, 642

Metacyclops pseudoanceps, Boxshall & Braide 1991:187, Fig.

33-34, Sokoto River, Nigeria; redescription

MICRO. -, REID 1991d: 271

MRTA. -, GALASSI & PESCE 1994: 287

Metacyclops royi (Lindberg ) - see Apocyclops

Metacyclops rudis Pleşa, 1981

-- PLESA 1981:30, FIGS. 51-55, N. SP., CUBA

-- Reid 1987c: 130

-- HERBST 1988:151

-- REID 1990g: 181

- CF.-, ROCHA 1994:133, BRAZIL (CEARÁ, FROM REID  
RECORD)

METACYCLOPS RYUKYUENSIS ISHIDA, 1995

-- ISHIDA 1995: 33-37, FIGS. 1-3, N. SP., ISHIGAKI IS.,  
RYUKYUS; SYN. METACYCLOPS SP. OF ISHIDA, 1990

METACYCLOPS SP., ISHIDA 1990: 39-, SW JAPAN



Metacyclops somalicus Dumont, 1981

-- DUMONT 1981: 107-108, FIGS. 11-18, N.SP., SOMALIA

-- Herbst 1988: 151

-- DUMONT & MAAS 1987a: 89-90, SOMALIA

-- DEFAYE 1993: 149-150

Metacyclops stammeri Kiefer

Kiefer, 1938, page 7-9, Abb. 11-17

- Kiefer, 1978: 215

-- HERBST 1988: 150

Metacyclops stocki Pesce - see Hesperocyclops

Metacyclops subaequalis Dussart, 1984

--Dussart, 1984: 36, 41, 58-59, 65, fig. 22A: n. sp.

♀ ONLY, VENEZUELA

-- REID 1985b: 52, FIGS. 252-254

-- REID 1987c: 130

-- HERBST 1988: 152

~~MICROCYCLOPS~~

M. SUBAEQUALIS, GALASSI & PESCE 1994: 284

Metacyclops subdolus Kiefer

①

1938, page 9-11, Abb. 18-24

-- Lindberg, 1956<sup>c</sup>, p. 72., 74 - 75

— Pesce, 1978: 179-183, fig 1-2.

-- DUSSART 1984: 58

-- PESCE + MAGGI 1983a: 274-276

— Kiefer, 1978: 215

-- PESCE + GALASSI 1987: 108-, ITALY

-- HERBST 1988: 149

-- JAUME 1990b: 45-46, FIG. 3, SA DRAGONERA IS., MALLORCA

METACYCLOPS SUBDOLUS KIEFFER, 1938

2

-- JAUME + BOXSHALL 1995: 104

-- JAUME + BOXSHALL 1996: 1584, SARDINIA

= METACYCLOPS

Cyclopidae - Cyclopoidea

Cryptocyclops Tredecimus Lowndes, ♀ ①

C. — Lowndes, 1934, p. 123: fig. 14, a-f (♀ ONLY)

C. — Lindberg, 1954, pp. 193-222.

M. - DUSSART 1984: 26, 41, 58, 65, FIG. 20A - DESCRIBED ♂ -  
AS METACYCLOPS TREDECIMUS

Habitat. Brazil: Paraguay.

METACYCLOPS TREDECIMUS (LOWNDES, 1934)

(2)

SEE ALSO CRYPTOCYCLOPS TREDECIMUS

- DUSSART 1984: 26, 41, 58, 65, FIG. 20A; DESCRIBED ♂
- REID 1985b: 51, FIGS. 243-245
- REID 1987c: 129
- HERBST 1988: 150
- GALASSI & PESCE 1994: 284



Metacyclops trisetosus Herbst, 1957

- Kiefer, 1978: 216
- HERBST, 1987: 68
- HERBST, 1988: 149-

Metacyclops trispinosus Dumont, 1981

- DUMONT 1981b: 99, 105-106, FIG. 7, N.S.P. 9, W. AFRICA
- Herbst 1988: 151, 152
- PESCE, DE LAURENTIIS + HUMPHREYS 1996: 71
- DEPAYE 1993: 149

METACYCLOPS

Cyclopiidae — Cyclopoidea

Cyclops tropicus

Kiefer ♀

C. — Kiefer, 1932, p. 526; N.S.P., IVORY COAST

C. — Kiefer, 1933, p. 132; figs. 27 - 31.

METACYCLOPS — DUSSART 1981b: 162

M. —, DUMONT 1981: 108

M. —, HERBST 1988: 151

Habitat. Bächlein bei Danané

M. —, DEFAYE 1953: 149-150

Metacyclops unacanthus Lindberg

— Lindberg, 1936a: 9-12, fig. 13-16.

Metacyclops viduus - see Apocyclops

METACYCLOPS sp.

- ISAIDA, T. 1990: 39-, SW JAPAN
- a, REID 1993 (1994) a: 60-, CENTRAL BRAZIL
- LANSAC TÔHA & LIMA 1993: 92-, TAB. 1, S. PAULO, BRAZIL
- VILLAGRA DE GAMUNDI 1994: 118, TUCUMÁN, ARGENTINA
- EINSLE 1971: 54, CONGO | ZAIRE
- LOPES, R. ET AL. 1997: 45, TAB. 1C, PARANÁ, BRAZIL

METACYCLOPS SP. NOV.

--- TIMMS & MORTON 1988:163, AUSTRALIA