

Cyclopidae - Cyclopoida.

Mesocyclops

G.O. Sars, 1914.

M. obsoletus.

Syn. Mesocyclops Sars, 1914, p. 57

Cyclops (pars) auctores.

Coker, 1943 (American sp.)

Méσos = half and Cyclops

Body slender, anterior division tumid, posterior very slender; caudal rami moderate. First antennae slender, 17-jointed; apical setae of posterior pair long and curved. Both rami of swimming legs 3-jointed, terminal joint of inner ramus prolonged. Last legs small, 2-jointed, setae subequal.

Mesocyclops

- , Kabata, 1970, p. 155 (Kasahara, 1962)
- Lindberg, 1956 b: 6-8 Key.
- Van de Velde, 1984: 3-12
- , SCHELL 1985: 131, AS INTERMEDIATE HOSTS
- ~~Masse~~ Mahoon & Zib, 1985: 265
- Damian-Georgescu, 1963: 185-186
- BORUTZKY, 1960: 73; 94-95, KEY TO SOME SPP.
(INCLUDING SOME THERMOCYCLOPS SPP.); 160
- REID 1985: 44-48, KEY TO SOUTH AMERICAN SPECIES.

- Pesce, 1985: 311-312

- WILLIAMSON 1986: 11-19

- SHEN & TAI 1964c: 373

- DUSSART & FERNANDO 1986b: 288-293

- GOPHEN 1986: 294

- WILLIAMSON 1986b: 638 (ABSTRACT).

Mesocyclops

card 3

- Jeje, 1988: 171- key to Nigerian species
- FIERST & VAN DE VELDE 1984: 182-, ANTENNA
- VAN DE VELDE 1984b: 404-419, DIAGNOSTIC CHARACTERS
- FERRARI 1991: 117-, DEVELOPMENT
- WILLIAMSON 1991: 808-
- PETKOVSKI 1986: 47-79, LIST & KEY TO NEOTROPICAL SPECIES
- REID 1993b: 185-187
- REID 1994b: 347

Cyclopidae - Cyclopoida

Mesocyclops ~~leuckarti~~ aequatorialis Kiefer

— — Kiefer, 1933, p. 574: figs. 132 - 136

— — Kiefer, 1929, p. 17: fig. 11

-- -- Kiefer, 1955 pp. 122. figs. 20 & 21.

-- -- Lindberg, 1938, pp. 25-100

~~---, Herbst, 1951, pp. 115~~

---, Kiefer, 1952, p. 99-101, figs. 151-154, 157, 159,
p. 10-17

Habitat, Java, Sumatra -

--, Kiefer, 1956, p. 242, 243-5, 254-5, ^{261-262,} figs. 26-28,

--, Kiefer, 1956, p. 264 " " " " " " " " " "
LAKE TANGAN YIKA

---, DUSSART 1974: 106-107.

---, Saunders & Infante, 1981, p. 116

— [= *M. aequatorialis*] Kiefer, 1981: 167-169,
fig. 7

— Van de Velde, 1984: 36-38, fig. 23-24, 27

-- DUSSART 1981b: 140, 158, FIG. 15 - NIGER BASIN

-- DUSSART 1981c: 162

— Dussart, 1982: 82, pl. 20B

-- DUSSART & FERNANDO 1986b: 291

-- DUMONT & VERHEYE 1984: 320

Mesocyclops aequatorialis Kiefer

card 2

-- Gauthier 1951:139--

-- REID & KAY 1992: 336

-- HOLYNSKI & FIERB 1994: 41-51, FIG. 4C, TABS. 2, 3

M. LEUCKARTIA, PETKOVSKI 1986: 57

M. LEUCKARTIA, EINSLE 1971: 56, 57

= M. AEGUATORIALIS

Mesocyclops leuckarti aequatorialis KIEFFER

(B)

--- Brehm & Kiefer 1958: 96, Sudan

--- Jeje, 1988: 176, 179

--- LÖFFLER 1961c: 392-, IRAN

--- VAN DE VELDE 1984b: 405-

--- L. KIEFFER 1955d: 120-, FIG. 20-23, TURKEY,

= MESO. VAR. FORTII + M. L. FORMA FORTII

--- ONABAMIRO 1957: 125

--- PLESA 1981: 26

Mesocyclops group aequatorialis (kiefer)

-- Yte et al. 1983: 5,7: Ivory Coast

Mesocyclops aequatorialis americanus Pesce - see

M. pescei

Mesocyclops aequatorialis micrura

KIRFER, 1929

--- Gauthier 1951:140-

Mesocyclops aequatorialis pescei Petkovski - see

M. pescei

Mesocyclops aeguatorialis similis Van de Velde

- Van de Velde, 1984: 38-41, fig. 25-26
- Jeje, 1988: 173, 174 fig 9-14, tab 1, in key, Nigeria
- BOXSHALL & BRAIDE 1991: 209, FIG. 61, 65, NIGERIA
- REID & KAY 1992: 336
- DEFAYE 1988: 105; ~~FIG.~~ TAB. 1, ETHIOPIA; FIGS. 131-138
- HOLYNSKI & FIERS 1994: 41-51, FIG. 4D, TABS. 2, 3
- DAHMUS & FERNANDO 1993: 589, 608
- DAHMUS 1992: 279, FIG. 5, NAUPLII

(2)

MESOCYCLOPS AQUATORIALIS SIMILIS VAN DER VELDE
-- . DEFAVE 1995: 11, 16-18, FIGS. 19-25, ISRAEL

MESOCYCLOPS AEQUATORIALIS SOKOTOENSIS

-- JEJE + FERNANDO 1992: 241-, NIGERIA

Mesocyclops affinis Van De Velde, 1987

n. sp. Van De Velde, 1987, p. 151-156, fig. 15-27
Papua New Guinea

- REID + KAY 1992: 336
- HOLYNSKI + FIEBS 1994: 42-50, FIG. 3D, TABS. 2, 3,
PAPUA NEW GUINEA

Cyclopidae - Cyclopoidea

Mesocyclops albicans (Smith) GW ♀

Cyclops Smith, 1909, p. 89; pl. 16; figs. 8 - 12; TASMANIA

M - Kiefer, 1929, p. 19:

M - TIMMS & MORTON 1988: 163, AUSTRALIA

Habitat North America TASMANIA

Mesocyclops americanus Dussart ①

— Dussart, 1985: 961-964, fig 11-18
(= M. leuckarti auctorum)

-- DUSSART + FERNANDO 1986b: 291, "MOST OF
NORTH AMERICA"

M. leuckarti, Smith & Fernando 1978b: 46-, figs. 174-179,
Ontario

-- REID 1990d: 229, 232

-- DUSSART + FERNANDO 1990: 2602-2603, ONTARIO; =

Mesocyclops americanus Dussart, 1985

card 2

-- Williamson 1991:810

-- REID 1992a: 230, 232, 241-245, FIGS. 6, 7,
FLORIDA EVERGLADES, INDIANA, NEW JERSEY,
CONNECTICUT, ? QUÉBEC; DESCRIBED MALE.

-- REID-1993b: 183

-- WYNGAARD, TAYLOR + MAHONEY 1991: 222-230, SOUTH
CAROLINA, USA

-- PETKOUSKI 1986: 49

-- DAHMS + FERNANDO 1993: 608

MESOCYCLOPS AMERICANUS DUSSART, 1985

(3)

-- REID 1996: 1, 5, DC, USA

-- REID + REED 1994: 83, 85

Cyclopidae - Cyclopoidea

Mesocyclops anna Kiefer ♀

— — Kiefer, 1930, p. 46 : figs. 7-8.

-- -- Lindberg, 1951, pp. 427-435.

-- -- Lindberg, 1951d pp. ~~187-191~~. 193

-- , Lindberg, 1951d pp. 188, 193

— , Kiefer, 1981: 176, fig 12.

Habitat. Madagascar.

— Dussart, 1982: 82-83, pl. 20 C

-- DUSSART + FERNANDO 1986b: 291, SRI LANKA

- Van De Velde, 1987: 150-151

Mesocyclops annulatus (Wierzejski, 1892)

①

Cyclops -, Wierzejski 1892b: 9-10^{186,} fig. 14-18, n. sp.
^

Argentina

Cyclops -, Daday 1905: 139-140, pl. 8 fig. 15,16, PARAGUAY

Cyclops -, Thiebaud 1912(1914): 165

Mesocyclops -, n. comb., Kiefer 1929: 81

M. -, Kiefer 1929: 19, figs. 21-23

M. -, Kiefer : 237, pl. 6, figs. 14-18

M. -, Lindberg 1954: 193-222

M. -, LINDBERG 1955: 16

Mesocyclops annulatus (Wierzejski, 1892)

card 2

- Harding 1955: 220, 255, Bolivia/Peru
- Thomasson 1956: 137
- Kiefer 1957: 140-142, figs. 32-39, LAKE TITICACA
- Lindberg 1957: 39-52
- Montu 1980b: 57-, Lagoa dos Patos, Brazil
- Dussart 1984a: 59, 65
- Dussart 1984d: 257-264
- s. str., Reid 1985b: 47, figs. 193-195
- Montu & Gloeden 1986: 112-, Fig. 34g-k, Lagoa dos Patos

Mesocyclops annulatus (Wierzejski, 1892)

card 3

Cyclops -, Forro 1986: 559

M. -, Dussart & Fernando 1986b: 290-291, distribution

M. -, Petkovski 1986: 48- ; ~~50, C. LEUCKARTI VINCENTIANA A SYN.~~

M. a. a., Del Rio & Valdivia 1989: 73-, Pl. 3(36-38)

M. -, DUSSART & FRUTOS 1985 (1986): 314

M. -, MENU-MARQUE 1994a: 107

~~M. A.~~ M. A., PETKOVSKI 1986; SYNS. C. LEUCKARTI
VINCENTIANA, C. SPINIFER.

CYCLOPS SPINIFER, DADAY 1905: 141-142, PL. 5. 8 (22-27),
9(1-2), PARAGUAY

MESOCYCLOPS ANNULATUS

4

CYCLOPS SPINIFER, FORRO' 1986: 560

-- PETKOVSKI 1986: 48, 49

-- KIEFFER 1927: 121, DADAY'S "CYCLOPS DVOROSKII" FROM
PARAGUAY MAY BE M.A.

CYCLOPS LEUCKARTI VINCENTIANA, BRIAN, 1926: 191-192,
N. VAR., BUENOS AIRES + ST. VINCENT, ARGENTINA

CYCLOPS VINCENTIANUS, BRIAN 1927: 126-127, FIGS. 1-7,
NEW RANK, ARGENTINA

Mesocyclops annulatus diversus Herbst

-- -- -- Herbst, 1962. pp. 276-278, fig. 53-58.

--- DUSSART 1984:65

--- DUSSART 1984d: 257-264

--- REID 1985b: 47, FIGS. 196-198

--- DUSSART & FRUTOS 1985(1986): 314

= M. ARAUCANUS

①

Mesocyclops longisetus subsp. araucanus Löffler

-- --, Löffler, 1962, pp. 175-177, f. 105-110

--, ^{Löffler} Kuhnelt, 1961, p. 1

-- DUSSART 1984: 65

-- DUSSART 1984d: 257

-- var. --, REID 1985b: 47, FIGS. 191, 192

-- DUSSART & FRUTOS 1985 (1986): 314

M. ARAUCANUS, MENU-MARQUE 1994: 106-108, RAISED TO
SPECIES LEVEL; LAGUNA ESQUEL, PATAGONIA, ARGENTINA;

SYNONYMY

Mesocyclops araucanus Löffler, 1962

(2)

-- Marinone 1994: 104-, Lake Colhue Huapi, Chubut,
Argentina

-- PIZZOLON ET AL. 1995: 69, 70, TAB. 5, ARGENTINA
(PATAGONIA)

N. LONGISETUS ARAUCANUS, PETKOVSKI 1986: 52

MESOCYCLOPS ARCANUS DEFAVE, 1995

-- DEFAVE 1995: 11-18, FIGS. 1-18, N. SP., ISRAEL

MESOCYCLOPS ASIATICUS KIEFER - SEE

THERMOCYCLOPS ASIATICUS

Cyclopidae - Cyclopoidea

Mesocyclops aspericornis (Daday) ♀ ①

- — ¹⁸⁴ Daday, 1906, p. 181, pl. 14 : figs. 1 - 6, SINGAPORE, SUMATRA, JAVA,
HAWAII (OAHU)
- — Kiefer, 1929, p. 19:
- — Kiefer, 1933, p. 600:
- — Dussart, 1982: 321, fig 6, GUADELOUPE, MARTINIQUE
- — Kiefer, 1981: 172 - 173, fig 10. (SUMATRA)

Habitat. Sumatra, East Africa

- Van de Velde, 1984: 42-45, fig 28-29, AFRICA-
NIGERIA, ETHIOPIA, GHANA, ZAMBIA, SUDAN, NIGER, SUMATRA

MESOCYCLOPS ASPERICORNIS (DADAY)

CARD 2

- PESCE + PACE 1984: 133, 137
- DUSSART 1984: 25, 38, 41, 59, 65, FIG. 24 - VENEZUELA
- SUAREZ ET AL 1984: 74-76, COLOMBIA
- DUSSART 1984d: 257-260, FIG. 5A
- DUSSART & FERNANDO 1985: 203, RANGOON
- DUSSART 1981b: 140, 156, FIG. 13 a-c, NIGER BASIN
- DUSSART & FERNANDO 1985: 245-248, fig. 105-108, SRI LANKA
- REID 1986a: 595
- REID + SAUNDERS 1986: 820-824, FIGS. 1, 2 - S.A. RECORDS;
M. LEUCKARTI OF SAUNDERS + INFANTE, 1981 A SYNONYM

MESOCYCLOPS ASPERICORNIS (DADAY) 1906 CARD 3

-- REID 1985b: 45, FIGS. 204-206

-- REID 1987b: 262, COLOMBIA

- West INDIES

-- Pesce, 1985: 312-315, fig. 50-59 ^

-- RIVIÈRE + THIREL 1982: 427-439, TAHITI (TITLE

SAYS M. LEUCKARTI PILOSA, CORRECTED TO M.

ASPERICORNIS IN FOOTNOTE)

-- RIVIÈRE ET AL. 1987: 425-430, TAHITI + FRENCH

POLYNESIA

-- REID ET AL. 1988: 527-, BRAZIL

Mesocyclops aspericornis (Daday, 1906)

card 4

- Dussart & Fernando 1986b: 291, new Asian records —
INDONESIA, BURMA, SRI LANKA
- C. —, FORRO' 1986: 559
- PETKOUSKI 1988: 40
- Van De Velde, 1987: 160 Papua New Guinea
- Jeje, 1988: 173-174, 183 fig. 2-8 tab. 1 Nigeria
- DUMONT & MAAS 1987a: 97, SOMALIA
- DUMONT ET AL. 1986: 13, 14, YEMEN
- MARTEN ET AL. 1989: 624 —, COLOMBIA
- DUMONT & VERHEEVE 1984: 320

Mesocyclops aspericornis (Daday, 1906)

card 5

-- Gauthier 1951:139-

-- RIVIÈRE, SÉCHAN + KAY 1987:150-154, FR. POLYNESIA

-- ANDREADIS 1989b: 618-

-- LIN ET AL. 1990: 259-263, FR. POLYNESIA

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

-- REID 1990g: 180

-- MARTEN 1989: 232

C. -, THIÉBAUD 1912(14):165

M. -, BOXSHALL + BRAIDE 1991: 187, 209, FIGS. 43, 59,
NIGERIA, GHANA

Mesocyclops aspericornis (Daday, 1906)

card 6

-- Mirabdullayev 1990: 60-61, Figs. a-e, new record,
Tashkent, Uzbekistan

-- REID & KAY 1992: 336 -

- PETKOVSKI 1986: 47; SAN ANDRÉS ISLAND,
COLOMBIA (CAVE)

-- COLLADO ET AL. 1984: 98

-- DUSSART & FRUTOS 1985 (1986): 314

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

-- DEFAYE 1988: 105-, TAB. I, ETHIOPIA; FIGS. 156-159

Mesocyclops aspericornis (Daday, 1906)

card 7

- Suarez, M.F. et al. 1992: 409-, PUERTO RICO
- HOLYNSKI & FIERS 1994: 42-50, FIG. 3C, TABS. 2, 3,
INDONESIA - BORNEO, CELEBES
- BROWN, KAY & HENDRIKZ 1991: 618-623, TABS. 1, 2, FRENCH
POLYNESIA, AUSTRALIA
- JEJE & FERNANDO 1992: 241-, NIGERIA
- PESCE, DE LAURENTIIS & HUMPHRYS 1996: 75
- PETKOVSKI 1986: 48-61, FIGS. 1-10, COLOMBIA
- KAY, CABRAL ET AL. 1992: 373-375, CEARÁ, BRAZIL

MESOCYCLOPS ASPERICORNIS (DADAY, 1906)

(8)

-- SANTOS + ANDRADE 1997:222

M. OBSOLETUS, BONNET + MUKAIDA 1957:600, HAWAII

= MESOCYCLOPS AUSTRALIENSIS

①

Mesocyclops thermocyclopoides australiensis (G.O.Sars)

Cyclops Leuckarti var. australiensis, G.O. Sars 1908b:

16, Pl. III figs. 19-24, n. var., St. Arnaud and Sydney
southern Australia

M. t. a., n. comb., Kiefer 1981:165, 166, 184-186,

Fig. 6(1-4), Fig. 15, redescription, Victoria and other
waters, southern Australia

M.T.A., REID & KAY 1992: 336

M.A., DUMONT & MAAS 1985: 121-

M.A., BROWN, KAY & HENDRIKZ 1991: 619-623, TABS. 1, 2,
AUSTRALIA (QUEENSLAND)

MESOCYCLOPS AUSTRALIENSIS (G.O. SARS, 1908)

(2)

-- PESCE, DE LAURENTIIS & HUMPHREYS 1996: 67 -

Mesocyclops bernardi Petkovski - see Diacyclops

MESOCYCLOPS

BODANICOLA - SEE M. LEUCKARTI

MESOCYCLOPS BORNEOENSIS DUSSARTY-FERNANDO,
1988

Cyclopiidae - Cyclopoida

Mesocyclops brasilianus (Kiefer) ♀

- -- Kiefer, 1953, p. 40: figs. 8-12, BRAZIL
-- --, Herbst, 1960. pp. 41-42, fig. 28-32 (NICARAGUA)
-- -- Linsberg, 1954, pp. 193-222.
-- --, Kiefer, 1956, p. 233, 249-251, figs. 42-48, tab. 3.
-- --, Löffler, 1963, pp. 217-218

Habitat Brazil

- -- Montiel & Zoppi, 1979: 114 passim
-- --, Kiefer, 1979, p. 224-232
-- --, Saunders & Infante, 1981, p. 115

- , Infante, 1978, passim
- , Cole, 1976, p. 13
- DUSSART 1984: 60, 65 (a SYN. OF M. MERIDIANUS)
- ZOPPI DE ROA 1972: 49-53, VENEZUELA.
- DUSSART 1984d: 257-264,
- REID 1985.6: 45, FIGS. 178-182; POSSIBLE SYNONYM OF
M. MERIDIANUS
- BRAZILIANUS, REDDELL 1981: 81
- WILLIAMSON 1986: 13, 17
- REID 1988b: 191, 193, COLOMBIA
- DUSSART & FERNANDO 1986b: 291

Mesocyclops brasilianus (Kiefer, 1933)

card 2

- Harding 1955:244, 245
- COLLADO 1984:115-, COSTA RICA
- EPP & LEWIS 1979: 123-138, LAKE VALENCIA, VENEZUELA
- REID 1990g:180
- WILLIAMSON 1991: 795-
- MATSUMURA-TUNDISI & TUNDISI 1986: 37-, TAB.1,
LAGOA AMARELA, MINAS GERAIS, BRAZIL
- COLLADO ET AL. 1984: 98
- DUSSART & FRUTOS 1985 (1986): 313, 314

Mesocyclops brasilianus (Kiefer, 1933)

card 3

-- Tundisi & Matsumura Tundisi 1981: 206-, Rio Doce
system, Minas Gerais, Brazil

- MATSUMURA - TUNDISI ET AL. 1990: 142-, BARRA
BONITA RESERVOIR, SP, BRAZIL

M. BRAZILIANUS, ONABAMIRO 1957: 127

-- PETKOUSKI 1986: 50, 51

-- CISNEROS + MANGAS 1991: 1167-1168, TAB. 1, LAKE
XOLOTLÁN, NICARAGUA

Mesocyclops brehmi Kiefer, 1929⁷ - see Thermocyclops

MESOCYCLOPS BREVIFURCATUS - SEE

THERMOCYCLOPS CRASSUS

MESOCYCLOPS BREVISETOSUS DUSSART & SARNITA, 1987

-- HOLYNSKI & FIEBS 1994: 42-50, TABS. 2, 3, PAPUA
NEW GUINEA

MESOCYCLOPS BROOKSI PESCE, DE LAURENTIIS + HUMPHREYS,
1996

-- PESCE ET AL. 1996: 67, 71-75, FIGS. 16-28, WELL,
WESTERN AUSTRALIA, N.SP.

MESOCYCLOPS CHACI FIERIS IN FIERIS ET AL., 1996

-- FIERIS IN FIERIS ET AL. 1996: 82, 88-98, FIGS.

16-21, TAB. 1, N. SP., YUCATÁN, MEXICO

Mesocyclops cokeri Nisa, Mahoon & Khan 1987

-- Nisa et al. 1987:131-, figs. 33-38, n. sp. Pakistan

Mesocyclops consimilis Kiefer - see Thermocyclops

MESOCYCLOPS CRASSUS (FISCHER) - SEE

THERMOCYCLOPS CRASSUS

MESOCYCLOPS CURVATUS - SEE M. SALINUS

MESOCYCLOPS CUTTACUTTAE DUMONT & MAAS, 1985

-- DUMONT & MAAS 1985: 115-121, FIGS. 1-6, TABS. 1, 2,
N.S.P., CUTTA CUTTA CAVE, N. AUSTRALIA

-- PESCE, DE LAURENTIIS & HUMPHREYS 1996: 67-

-- FIERIS ET AL. 1996: 99

Mesocyclops darwini DUSSART + FERNANDO, 1988

-- Lin et al. 1990:259-263, Australia

-- BROWN, KAY + HENDRIKZ 1991: 619-623, TABS. 1, 2,
AUSTRALIA (QUEENSLAND)

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

Mesocyclops decepiens Kiefer 1929 - see Thermocyclops

Mesocyclops dissimilis Defaye & Kawabata, 1993

-- DEFAYE & KAWABATA 1993: 121-126, FIGS. 1-24,
LAKE BIWA, JAPAN, N.SP.

-- Kawabata & Defaye 1994: 152-153

-- UEDA, ISHIDA & IMAI 1996: 45, JAPAN (KYUSHU)

Mesocyclops dussarti Van de Velde

- Van de Velde, 1984: 27-31, fig. 16-17
- DUSSART + FERNANDO 1986b: 291
 - JEJE, 1988; 173, 174, 176 figs. 15-20, tab 1, in key, Nigeria
 - BOXSHALL + BRAIDE 1991: 209
 - REID + KAY 1992: 336, 339-340
 - HOLYNSKI + FIERIS 1994: 41-51, FIG. 3B, TABS. 2, 3, 1 MALI
 - FIERIS ET AL. 1996: 99

MESOCYCLOPS DYBOWSKYI (LANDÉ) - SEE

THERMOCYCLOPS DYBOWSKYI

MESO -

Cyclops edax ^{P.A.} Cyclopidae - Cyclopoida,
Forbes, ♀, 1891.

— — ^{S.A.} Forbes, 1891, p. 709: pl. 3, f. 15; pl. 4, f. 16-19. ^{Lake Superior}

— — Pearse, 1905, p. 150. Nebraska + ~~Ill.~~ Ontario

— — Forbes, 1897, p. 33 var. N. Amer. sites

a synonym of Mesocyclops obsoletus.
(Herrick, 1895, p. 96).

a synonym of Cyclops tenuissimus (Herrick 1883) - Cole
1960, Jour. Ariz. Acad. Sci. 1 (3): 99-101.

= M. EDAX

Cyclopidae — Cyclopoida

Mesocyclops leuckarti edax (Forbes)

— — Kiefer, 1931, p. 594:

— — Kiefer, 1929, p. 22 i

— — Forbes, 1891, p. 709; pl. 3-4: figs. 1-20

— — Chappuis, 1931, p. 349.

Habitat North America, Mammoth Cave

M. EDAX

- , HARRIS, 1978: 27, 28, 32 N. Mississippi River
- , AMORES-SERRANO, 1978: 2, 3, 4, 5, 13-18, 27, 44, 53-60,
83-84; FIG. 2-9, 11-13, 78-145; TAB. 8-9 ARKANSAS
- , CARTER, 1969: 2549; FIG. 3 great lakes
- , CARTER, 1971: 224, 227; FIG. 4-8 Great Lakes
miller's lake Galt Ontario
- , BRANDL & FERNANDO, 1975: 471-489; FIG. 1-4; TAB. 1-5.
- , DAVIES & JENSEN, 1975: 2135-2136, 2140 Maryland
- , HALL & WATERMAN, 1968: 188; TAB. 1, 2 New York
- , COMITA, 1951: 370 -
- , PENNAK, 1963: 358; PL. 1 -

Mesocyclops edax (S.A. Forbes) 1890

-- --, C. Davis, 1959. pp. 15-29 Ohio

-- --, C. Davis, 1959. pp. 101-102 Lake Erie

-- --, Armitage, 1961. p. 31 Kansas

-- -- Lindberg, 1955, p. 461. ~~Michigan~~

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

--, Davies & Jensen, 1974, p. 17 North Carolina

^{NA} --, Kabata, 1970, p. 129-30, fig. 105 (Davis, 1959) ^{concordia} _{and}

^{NA CL} --, Brooks & Dodson, 1965, p. 28

^{NA CL} --, Elgmork, 1964, p. 33

--, Tash, Swanson & Siefert, 1966, p. 427, 431 S. Dakota

--, MAIN, 1962: 46 Tab. 12 Michigan?

MEGOCYCLOPS EDAX Forbes

- WATSON & LAWLER 1965: 1337-1343, CARD Hemming lake Manitoba ✓
- LINDBERG, 1955: 461, 462, 486-487 -
- COMITA & SCHINDLER 1963: 1, Tab. 1. -
- Lillielund, 1967, p. 29 -
- Robertson & Cannon, 1981, p. 386-387 Great Lakes
- ?-- Kiefer, 1979, p. 224-232
- Wyngaard, G. A., 1983, passim Florida
- Cole, 1976, p. 13 Nicaragua
- Fleeger, et al., 1983, passim Louisiana
- Smith & Fernando, 1978, passim Cuba

- ~~Hz~~ Granath & Esch, 1983: passim. N. Carolina
- Blancher, 1984: ~~255~~ passim, +bl. 2 & 5 Florida
- , PATALAS + SALKI, 1984: 616 TAB. 1, 625, 627 Canada (57°N 99°W)
- BLOUIN ET AL. 1984: 402 Nova Scotia, Canada
- RYAN 1984: 413, 414, 416-417 Newfoundland
- GANNON ET AL. 1984: 526-531 Wisconsin
- DUSSART 1984: 65 Venezuela
- DELISLE ET AL. 1985: 137, 138 Quebec?
- CHENGALATH ET AL. 1984: 425, 427 Newfoundland
- BLOUIN ET AL. 1984: 824, 828, 829, 837, 836 Nova Scotia
- EVANS 1984: 489 Lake Michigan
- ^{support}
_{city} GANNON ET AL. 1982: 1-23, 60, 61, 73

Mesocyclops edax (Forbes)

card 3

-- Bricker et al. 1976: 267. Great Lakes

-- ^{JE}GANNON 1972: 82. Great Lakes

-- ^{JE}GANNON 1974: 32-49. "

-- ^{JE}GANNON 1975: 84, 85, 86 "

-- ^{JE}GANNON 1976: 89-93. "

-- ^{JE}GANNON 1981a: 23-36. "

-- JE GANNON ET AL. 1978: 10, 11. "

-- JE GANNON & STOCKWELL 1978: 67. "

-- SMITH & FERNANDO 1980a: 11, 23, FIGS. 9E-I, CUBA

Mesocyclops edax (Forbes)

- Smith & Fernando 1980a: 14, figs. 77-81, Cuba
- BISHOP 1971: 13, WESTHAMPTON LAKE, RICHMOND,
VIRGINIA.
- SAGE ET AL 1976: 85, 86, TABS. 1, 2 - POTOMAC RIVER
- COLE 1955: 220-230, MINNESOTA LAKES
- COLE 1957: 93, ¹⁰⁰KENTUCKY LAKE.
- ELMORE 1983: 530, FLORIDA
- ELMORE ET AL 1984: 464-475, FLORIDA
- DORRIS 1958: 96, ILLINOIS

- Wyngaard, et al, 1985: 3149-3153 FL+Gr. Lakes
- ^{NA}- Wyngaard, 1986 a: 279-295
- ^{NA}- Wyngaard, 1986 b: 296-304
- Dussart, 1985: 961, fig 1-10-
- REID 1985b: 47, FIGS. 199, 200 -
- Simenstad & Cordell, 1985: 2176-2180 Pacific Coast
- COLE & KUBLY 1976: 80, TABLE 27- COLORADO RIVER
- RIGGS & ESCH 1987: 887-889, BELEWS LAKE, N.C.
- REID & BLAKE 1969: 279-280, CENTRAL FLORIDA
- REED 1964: 692-, ILE A LA CROSSE LAKE, CANADA

Mesocyclops edax (Forbes)

card 5

- Williamson 1986: 12-18 -
- REED 1959: 32, RECORDS - CANADA
- HARRIS, M. J. 1973: 13-, PL. 9 FIGS. 54-56, MISS.
- SUMMERS 1961: 28-, OKLAHOMA
- C. -, KIEFFER 1931: = M. LEUCKARTI -, 582, 594, 611,
MASSACHUSETTS
- BALGER ET AL. 1984: 98-, ^{101, 165,} PL. 35, GREAT LAKES;
GIVE SYNONYMY.
- DUSSART + FERNANDO 1986b: 289-292, FIGS. 3, 6

Mesocyclops edax (Forbes, 1890)

card 6

- Brandl & Fernando 1986: 254-258, Ontario
- BRADLEY 1986: 251
- PATALAS 1986: 400 - 407, DISTRIBUTION - CANADA;
GIVES SYNONYMY.
- THRELKELD & DIRNBERGER 1986: 481-485, TEXAS,
MICHIGAN, TENNESSEE
- CHINNAPPA 1986: 530 - 532 -
- OSORIO TAFALL 1944: 207, L. PATZCUARO, MEXICO
- TEPPER & BRADLEY 1989: 38 -

Mesocyclops edax (Forbes)

card 7

- M. E. Pereira 1988: 2-, Cochran Lake, Michigan
- LAWLER + WATSON 1958: 210-, MANITOBA
- MALLEY ET AL. 1988: 4-, ONTARIO
- MALLEY ET AL. 1989: 3-, ONTARIO, MANITOBA
- WYNGAARD 1988: 367-, MICHIGAN, FLORIDA
- RAWSON 1960b: 204, LAKES, SASKATCHEWAN
- WATSON 1963: 282-, MANITOBA
- SMITH + FERNANDO 1978b: 46-, FIGS. 168-179, ONTARIO
- SOLLBERGER + MEADOR 1990: 201-, TEXAS STREAM

Mesocyclops edax (Forbes)

card 8

- Zuñiga 1988:8 ~~Lakes North of Patagonia~~ Chile?
- HERZIG 1983:71- ~~Austria~~
- REID 1990d: 228, 229
- ANSTENSRUD 1990a: 153-
- CARTER, J. 1974: 421-434, ONTARIO, CANADA
- MAIER 1990b: 200
- BURRELL + ZWERNER 1972: 140, CHESAPEAKE BAY
- BUNTING 1973: 140, TENNESSEE
- Woodmansee & Grantham, 1961: 619, 621-623
Mississippi

Mesocyclops edax (Forbes)

card 9

- Collado et al. 1984:115-, Cuba
- MALLEY ET AL. 1988: 2240-, ONTARIO
- KOCHSIEK ET AL. 1971: 1123-, OKLAHOMA
- MADDUX ET AL. 1987: 167, COLORADO RIVER, ARIZONA
- TAYLOR + MAHONEY 1988: 1538-, SOUTH CAROLINA
- ANSTENSRUD 1990 c: 255
- KAWABATA 1991: 32 -
- HAURY 1981: 7-, COLORADO RIVER, ARIZONA
- STANFORD + WARD 1991: 75, LAKE POWELL ARIZONA
- STRAYER 1988(89) b: 198-, SE NEW YORK, USA

Mesocyclops edax (Forbes)

card 10

- Torke 1976: 7-, Fig. 2g, Wisconsin
- DUSSART + FERNANDO 1990: 2602, 2603, ONTARIO
- REID 1990g: 180, SYN. M. NICARAGUENSIS
- NISA ET AL. 1987: 132 -
- KRIEGER + KLARER 1991: 260-, LAKE ERIE MARSH
- OHMAN 1990: 275 -
- BUR + KLARER 1991: 87-, LAKE ERIE
- COWELL ET AL. 1975: 320-, FLORIDA
- NORDLIE 1976: 73-, FLORIDA

Mesocyclops edax (Forbes)

card 11

- Dawes et al. 1987:188-, Florida
- WILLIAMSON 1991: 793-, FIG. 21.7c, k
- MARTEN 1989: 233, NEW ORLEANS, LOUISIANA
- SCHINDLER + NOVÉN 1971: 250-, ONTARIO, CANADA
- REID 1992a: 244, 251
- DUCHOVNAY ET AL. 1992: 415-419, FIG. 1a-f, LAKE
CHAMPLAIN, VERMONT
- ADRIAN 1991: 2852-
- WYNGAARD 1991: 2839, FLORIDA

Mesocyclops edax (Forbes)

card 12

- Botts & Cowell 1993: 31, Lake Padgett, Florida, USA
- CZAICA 1978: 19-, LAKE ERIE, USA/CANADA
- TAYLOR ET AL. 1993: 136-, L LAKE, S. CAROLINA, USA
- CZAICA 1982: 441-, FIGS. \ - , DEVELOPMENT;
NEW YORK, MICHIGAN 8, 9C, 19C, 20C, TABS 1, 3, 6
- MATSUMURA-TUNDISI, RIETZLER ET AL. 1990: 146-
- STRAYER 1985: 357-, MIRROR LAKE, NH, USA
- CZAICA 1974b: 8-, TAB. 1, LAKE ONTARIO
- REID & MARTEN 1995: 41-, TAB. 1, LA/MI, USA

MESOCYCLOPS EDAX (S.A. FORBES, 1890) 13

- BRINSON & NORDLIE 1975: 1477, TAB. 4, GUATEMALA
- WYNGAARD & CHINNAPPA 1982: 485-523, FIGS. 1, 2, 4, 6-28, GENETICS
- FEIFAREK, WYNGAARD & ALLAN 1983: 166-168, FLORIDA, USA
- DOBRZYKOWSKI & WYNGAARD 1993: 167-170, VIRGINIA, USA
- MALLEY & CHANG 1995: 276-285, ONTARIO, CANADA
- WYNGAARD, McLAREN ET AL. 1995: 98-103, VIRGINIA, USA, + NOVA SCOTIA, CANADA
- LEECH & WYNGAARD 1996: 496-499, VIRGINIA, USA

MESOCYCLOPS EDAX (S.A. FORBES, 1890)

14

- PETKOUSKI 1986: 51
- PROPHET ET AL. 1959: 189, KANSAS, USA
- K. B. ANDERSON ET AL. 1975: 52, VIRGINIA, USA
- BINFORD 1978: 2527-2528, TABS. 4, 5, LOUISIANA, USA
- CISNEROS + MANGAS 1991: 1167
- DAHMS + FERNANDO 1993: 590, 607
- FIERS ET AL. 1996: 99
- REID 1996: 1, 5-6, DC, USA

MESOCYCLOPS EDAX (S. A. FORBES, 1890)

(15)

-- REID + REED 1994: 83, 85

-- CARTER, J. ET AL. 1980: 1366, 1380, FIG. 15, TABS. 1, 2,
NE USA, SE CANADA

-- DODSON + SILVA-BRIANO 1996: 168, TAB. 3, MEXICO

-- MARTINEZ-ARBIZU 1997: 93

Mesocyclops ellipticus Kiefer, ♂♀

①

— — Kiefer, 1936, p. 34: text-figs. 9-14.

-- --, Herbst, 1962. pp. 274-276, fig. 46-52

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

-- --, Kiefer, 1956, p. 233, 235, 251-252, figs. 49-53

VENEZUELA

-- --, Saunders & Infante, 1981, p. 115

Habitat. Brook, Brazil; Venezuela.

-- --, Smith & Fernando, 1978, passim

— Montiel & Zoppi 1979: 114

-- DÜSSART 1984: 60, 65, 27, 34, 36, 37, 41, 59, FIG. 25, VENEZUELA

Mesocyclops ellipticus Kiefer

card 2

- Smith & Fernando 1980a: 11, 18, figs. 9A-D, Cuba
- SMITH & FERNANDO 1980b: 14, FIGS. 73-76, CUBA
- YEATMAN 1977: 5-7, FIGS. 1-16 - CAVE, MEXICO.
- DUSSART 1984d: 257-264, FIG. 4
- REID 1985b: 47-48, FIGS. 201-203
- Pesce, 1985: 317-318, fig. 63-65 (WEST INDIES)
- REDDALL 1981: 81
- DUSSART & FERNANDO 1986b: 289, 291, FIG. 5, DIST.
- COLLADO ET AL. 1984: 115-, CUBA

REID
F

Mesocyclops ellipticus Kiefer

card 3

- Paiva 1990:109, Para, Brazil
- REID 1990g:181, = M. REIDAE AUCTORUM (PARTIAL SYNONYM)
- PETKOVSKI 1986:47, SOME RECORDS = M. REIDAE; 51
- COLLADO ET AL. 1984:98
- DUSSART & FAUTOS 1985 (1986):314
- REID 1993b:176
- FIERIS ET AL. 1996:96-98

Mesocyclops emini (Mrazek) - see Thermocyclops

Mesocyclops forbesi Nisa, Mahoon & Khan 1987

-- Nisa et al. 1987:132-, figs. 39-43, n. sp. Pakistan

MESOCYCLOPS FURCATUS

-- KOGA 1984b: 206, FIG. 61 (24) - NAUPLIUS

MESOCYCLOPS GRACILIS - SEE METACYCLOPS

Mesocyclops granulatus Dussart & Fernando, 1988

-- Reid & Kay 1992: 336

Mesocyclops Guangxiensis Reid & Kay, 1992

- Reid & Kay 1992:331-338, ^{341,} Figs. 1-3, n. sp. female only, Nanning, Province of Guangxi, China; also Laos and Viet Nam; syn. (Gui), Lin et al. 1990:262
- (Gui), Lin et al. 1990:262, China

Mesocyclops hyalinus (Rehberg) - see Thermocyclops
crassus

MESOLYCLOPS IAATHINUS - SEE THERMOCYCLOPS

Mesocyclops incisus Kiefer - see Thermocyclops

MESOCYCLOPS

INFREQUENS - SEE THERMOCYCLOPS

Mesocyclops inopinus Kiefer - see Thermocyclops

Mesocyclops insulensis Dussart, 1982

- Vande Velde, 1984: 26, fig 15
- Dussart, 1982: 83, pl. 21A, MADAGASCAR
- REID & KAY 1992: 336
- HAMER ET AL. 1996: 92

Mesocyclops intermedius Pesce

— Pesce, 1985: 315-317, fig. 60-62

— REID 1990g: 180

— FIERIS ET AL. 1996: 96-98

MESOCYCLOPS IN VERSUS - SEE THERMOCYCLOPS

Mesocyclops iranicus Lindberg, ♀

— — Lindberg, 1936, p. 253: ⁻²⁵⁹ figs. 1-4

— Lindberg, 1936a: 12-16, fig. 17-21

-- PETKOVSKI 1986: 57, POSSIBLE SYNONYM OF

M. ASPERICORNIS

Habitat Taristan, acts as intermediate host of
the Guinea Worm

Mesocyclops isabellae Dussart & Fernando, 1988

-- Reid & Kay 1992: 336

Mesocyclops isabellae var. nepalensis Dussart &

Fernando, 1988

-- Reid & Kay 1992: 336

①

Mesocyclops kieferi Van de Velde, 1984

MAURITANIA, NIGER, SOUTH YEMEN, SUDAN, ETHIOPIA

— Van de Velde, 1984: 18-21, fig. 9-10, 1

-- DUSSART + FERNANDO 1986 b: 291

-- DUMONT ET AL. 1986: 14, 15, S. YEMEN

-- DEFAYE 1988: 105-, TAB. 1, ETHIOPIA; FIGS. 151-155

-- MATSUMURA-TUNDISI ET AL. 1990: 141-, BARRA

BONITA RESERVOIR, SP, BRAZIL

-- HOLYNSKI + FIERIS 1994: 41-49, FIG. 3E, TABS. 2, 3, YEMEN,

MAURITANIA

MESOCYCLOPS KIEFFERI VAN DE VELDE, 1984

(2)

-- JEJE + FERNANDO 1992: 241-, NIGERIA

-- FIERS ET AL. 1996: 99

-- REIDT PINTO-CORLHO 1994: 103

-- DEFAYE 1995: 11, 16, 18, ISRAEL

- , BAYLY, 1965: 342; FIG. 16
- , DAVIS, 1954: TAB. 3
- , ELGMORK, 1962: 309
- , ELGMORK, 1958: 781
- , ITO, 1955: 55, 58, 60, 63; FIG. 18-23; TAB. 3/4
- , COMITA, 1951: 370, 374, 377; TAB. 1
- , COMITA & Mc NETT, 1976: 123
- , JOLLY, 1966: 731; TAB. 4
- , LINDBERG, 1955: 461, 462, 486-487
- , BALDI 1951: Fig. 1, Tab. 1.
- , BALDI ET AL. 1953: p. 63, tabs 4-7.
- , ELGMORK 1973: 1474-1475; FIG. 17.

MESOCYCLOPS LEUCKARTI

CARD 5

- , AMORES-SERRANO, 1978: 3
- , CARTER, 1971: 224, 227; FIG. 4-8
- , BRANDL & FERNANDO, 1975: TAB. 5
- , SHEN & TAI, 1962b: 407
- , SHEN & TAI, 1964b: 455, 458, 460, 461; TAB. 1
- , SHEN & TAI, 1964d: TAB. 1, 2
- , ACADEMIA SINICA, 1979: 406, 407-408; FIG. 245, 246

SEE p. 407 FOR SYNONYMS

- , CHISLENKO, 1977: TAB. 2

Cyclopidae — Cyclopoida
Cyclops leuckarti Claus, ♀

- — Claus, 1857, p. 35 ^{pl. 1, fig. 4} _{pl. 2, figs. 13 & 14;}
— — Cunningham, 1915, p. 83.
— — Marsh, 1893, p. 209: pl. 4, f. 17: pl. 5, f. 2-6.

A synonym of Mesocyclops obsoletus.
(Sars, 1914, p. 58)

- — Pearse, 1905, p. 150.
— — Scourfield, 1903, p. 534. (over)
— — Schmeil, 1898, p. 153.

- — Herrick, 1884, p. 146.
— — Marsh, 1918, p. 777: text-fig. 1221.
— — Fowler, 1912, p. 483; Scourfield, 1898, p. 324.
— — Birge, 1897, p. 326; Meissner, 1905, p. 176.
— — Brady, 1910, p. 242.
— — Brewer, 1898, p. 131.
— — Honigmann, 1910, p. 23.
— — Juday, 1902, p. 62. (Lake Max.).
— — Marsh, 1913, p. 12: pl. 3, f. 6, 14.
— — Schmeil, 1892, p. 57: pl. 3, f. 1-8.
— — De Guerne & Richardson, 1891, p. 230: pl. 6, f. 20.
— — Meissner, 1904, p. 56: pl. unkn., f. 13-15.
— — BREHM 1909c: 222.

C. leuckartii Claus, 1863, p. 101.

— — Sars, 1863, p. 239; Richard, 1891, p. 230: pl. 6, f. 20

— — Daday, 1885, p. 218.

— — Schmeil, 1891, p. 25: 1892, p. 57: pl. 3, f. 1-8.

— — Claus, 1893, p. 347.

— simplex, Poggendorff, 1874, p. 70: pl. 15, f. 1-3.

— — Vosseler, 1886, p. 193: pl. 4, f. 15-17.

— — Lande, 1890, p. 55: pl. 16, f. 42-45: pl. 17.

— scourfieldi, Brady, 1891, p. 10. f. 46-60

— leuckartii, Tillieb  org, 1901, p. 35: pl. 2, f. 28-29.

— — Burckhardt, 1913, p. 445.

Mesocyclops leuckarti

- Hardy, 1980: 594-595, fig. 12
- , Kiefer 1938c: 150-153; Figs. 1-6.
- , Gophen, M. and A. Scharf, 1982, p3
- , Gophen, M., 1980. p47
- , Gophen, M., 1978, p17
- , Gophen, M., 1981, p15
- , Gophen, M., 1977, p 513
- , Gophen, M., 1981, p 416
- , Gophen, M., 1979, p 199

Roen, 1954 : 13, 16

Tonolli, 1961 : 921, fig. 1

- , Eddy, 1934, p. 31-34, 57
- Fruchtl, 1924, p. 87
- , Wilson, 1960, p. 163
- , *ANDREAE*, 1955: 283-297; FIG. 1.
- , Cederström 1893: 148.
- (Microcyclops) -, Fryer & Smyly 1954: 65-70.

Cyclops leuckarti

card 4

- , Pesta, 1927, p. 77
- , Pesta, 1928, p. 95-6, fig. 77 (Mesocyclops)
- , Stock & Vos, 1960, p. 206 "
- , Shen, 1956, p. 9, ~~Cyclops~~ C. l. Gurney, 1933
a syn. of Mesocyclops l.
- , Litynski, 1922, p. 13
- , Kiefer, 1952, p. 61
- , Kiefer, 1956, p. 254, see Mesocyclops leuckarti aequatorialis
- , Baldi, 1932, p. 10-12, figs. 12, 13 (Macro^{es}cyclops)
- , Coker, 1926, p. 233-, 247-8, pl. 40, figs. 5-7 = edax
- , AMORES-SERRANO, 1978: 5
- , DODDS 1926: 25.

- edax Forbes, 1897, p. 33: pl. 9, f. 1-3.
- leuckarti Scott, 1897, p. 322: pl. 9, f. 23-25
- — Steyer, 1897, p. 32: Sars, 1903, p. 218.
- — Burckhardt, 1900, p. 640.
- — Willjeborg, 1901, p. 35: pl. 2, f. 28-29.
- — Graeter, 1903, p. 509: pl. 15, f. 26, 30.
- — Van Douwe, 1905, p. 681.
- — Marsh, 1910, p. 1081: pl. 74, f. 4-11: pl. 75, f. 1-3.
- — Lepeschkin, 1900, p. 7.
- — Brian, 1925, p. 191: text figs. 19-21.
- — Sars, 1909, p. 50: pl. 14, figs. 105-107.

- - Matile, 1897, p. 126: pl. 2, figs. 11-12.
- - Camera, 1892, p. 6.
- - Ewers, 1930, p. 25 (naupliar stages).
- - Gurney, 1933, p. 287: figs. 1853-1879.
- - Pesta, 1924, p. 549.
- - Stenroos, 1898, p. 231.
- - Jaschnov, 1927, p. 25, Mouth of Ob.
- - Lowndes, 1936, p. 15:
- - J. E. Moore, 1952, p. 422. S. Saskatchewan.
- - Forbes, 1897, p. 31
- -, Kiefer & Muckle, 1959, p. 28, ~~xxM~~ (Hofer, 1896,
Lauterborn, 1916 & Auerbach, 1924, 1926=
Mesocyclops bodanicus (Hofer))
- - Zykoff, 1906: 165

Mesocyclops leuckarti

card 7

--, Gophen, M. 1979, p41, fig. 1

--, Grimaldi, E., 1964, p. 211

--, Ravera, 1955, p. 436

--, Olszewski, 1977, p. 32-33

--, Olszewski, 1976, p. 430

--, Kiefer, 1963, p. 31, 33, 37

--, Lillelund, 1967, p. 30

--, Kiefer, 1973, p. 47, 49, 55, 57, 58

--, Miegel, 1960, p. 16 (tbls. 7, 8)

Mesocyclops leuckarti

card 8

- , Monchenko, 1967, p. 103
- , Michajlow & Monchenko, 1967, p. 106, tbl. 1
- , Särkkä, 1975, p. 10
- , Kiefer, 1979, p. 224-232
- , Burgis, 1970, p. 745-747
- , Burgis, 1969, p. 298,
- , Saunders & Intante, 1981, passim
- , Mashiko, 1951a, p. 18-19
- , Mashiko, 1951b, p. 153, figs. 7g-h
- , Kiefer, 1978, passim

Mesocyclops leuckarti

card 9

- , Elgmork and Nilssen, 1978, passim
- , Elgmork, 1981, p. 280
- , Aparecida Juliano de Carvalho, 1971, p. 371.
- , Smith & Fernando, 1978, passim
- , Lindberg, 1951, p. 188, 193.
- , Chia-jui & Ai-yung, 1962, pp. 225, 242-243, figs. —
- , Sarvala, 1979: passim
- , Burgis & Walker, 1972: passim
- , Dussart, 1977: 836-837, fig. 6a-d.
- , Gophen, 1976: 271-275

- Fernando, 1980: tbl. 1 #2
- Fernando, 1980a: passim, fig. 8
- Hu, 1943: 123-125: fig. C=1-6
- Herbst, 1952: 16
- Herbst, 1961: 59
- Hutchinson, et al, 1932: 28, passim
- Kiefer, 1981: 148-160, fig 1-
- Straskraba, 1969: 8. Cuba.
- de Lepiney, 1962a: 216
- Patalas, 1965: passim
- ~~Mesocyclops~~
- Van de Velde, 1984: 13-18, fig. 5-8

MESOCYCLOPS LEUCKARTI

- , PRETS + PAPINSKA, 1983: 484-6
- PESCE + PACE 1984: 137
- DUSSART 1984: 65 - f. LEUCKARTI
- VIJVERBERG + VAN DENSEN 1984: 893
- RANGA REDDY 1980: 165.
- LINDBERG 1950: 64-68
- K.S. BRICKER ET AL. 1978: 4, 13.
- LINDBERG 1943c: 19-26, 29.
- JE GANNON + STEMBERGER 1981: 205, 213.

Mesocyclops leuckarti (Claus)

card 11

-- Lindberg 1946c: 320-322, 328.

-- YEATMAN 1983: 57, 65-67, Figs. 5a-g, 6a-f

-- PECORINI 1959: 219-238.

- LEUCKARTII, HARPER 1984: 1195.

-- SHEN & LEE 1966: 220.

-- LEWKOWICZ 1984: 1695, 1696 - POLAND

-- RÖBEN 1970: 115-146 - GERMANY

-- SMITH & FERNANDO 1980a: 11, 23, FIGS. 10F-J, CUBA

-- SMITH & FERNANDO 1980b: 15, FIGS. 87-91, CUBA

Mesocyclops leuckarti (Claus)

card 12

-- Yeatman 1977: 7

-- BALOGH & SALANKI 1984: 59-66, L. BALATON, HUNGARY

-- MÄEMETS & VELDRE 1956a: 15, 21 - ESTONIA

-- VELDRE & MÄEMETS 1956: 61-62, PL. X FIGS. 1-5,
ESTONIA

-- DUSSART 1981b: M. L. OF DUSSART & GRAS 1966
= M. THERMOCYCLOPOIDES.

-- Dussart, 1982: 79-80, pl. 20A

-- Bayly, 1980: 9

- Ito, 1953a: 32, fig. 54-59
- Mace, 1979: 171-173
- Pesce, et al, 1982: 62
- Patalas & Patalas, 1966: 210, 211, fig. 6.
- Damian-Georgescu, 1963: 186-190, fig. 99

- *tenuicornis* Ulianin, 1875, p. 30: pl. 9, f. 12-13.
- *leeuwenhoekii* Hoek, 1876b, p. 19: pl. 3, f. 1-12
- " " " " , 1878, p. 132: pl. 7, f. 1-12
- *simplex*, Reiberg, 1880, p. 542.
- *simplex*, Herrick, 1884, p. 150.
- *oithonoides* Herrick, 1884, p. 150: pl. 5, f. 2-6.
- *simplex* Daday, 1885, p. 236.
- *pectinatus* Daday, 1885, p. 223: pl. 1, f. 7-13.
- *simplex* Herrick, 1887, p. 17: pl. 7, f. 1, a-j.
- *simplex* Thallwitz, 1890, p. 79.
- *edax* Forbes, 1891, p. 709: pl. 3, f. 15: pl. 4, f. 1-20.
- *leuckarti* Herrick, 1895, p. 96: pl. 16, f. 1-11: pl. 18
- *leuckarti* Marsh, 1895, p. 15: pl. 7, f. 15.
- *leuckarti* Forbes, 1897, p. 31: pl. 8, f. 1-3.

- , Shen & Lee, 1963, p. 589
- , Wierzbicka, 1953, p. 532
- , Ueno, 1938, p. 164 (=M. thermocyclopoidea)
- , Herbst, 1953, p. 150
- , Kiefer, 1952, p. 61
- , Kiefer, 1956, p. 254
- , Kiefer, 1958, p. 52
- , Baldi, 1949, p. 62
- , Colebrook, 1960, p. 223-
- , Elgmork, 1964, p. 24-8, ...
- , Flossner, 1967, p. 227
- , Aguesse and Dussart, 1957, p. 48
- , MAGADZA, 1977: 2
- , HARRIS, 1978: 27
- , HALVORSEN & ELEMORK, 1976: TAB. III

Mesocyclops leuckarti

card 4

--, Reed & McQuaid, 1966, p. 156

--, Roen, 1957, p. 24, 96

--, Szlauer, 1963, pp. 385-93.

--, Rybak, 1962, p. 73

--, **Alfred, et al.**, 1973, p. 145, 150, fig. 2

--, Sramek-Husek, 1941, p. 41

--, Shen, 1956, p. 9, 2, 16, pl. III (26-29), syn.:

Cyclops l.

--, *Mastrantuono & Stella, 1974, p. 212.*

-- --, Dussart & Gras, 1966, p. 81, f. 4

-- --, Ponyi, 1960, pp. 85-92

-- --, Ponyi, 1962, p. 139

-- --, Ponyi, 1965, p. 143

-- --, Ponyi, 1968, pp. 169-182

-- --, Ito, 1964, p. 131

-- --, Dussart, 1968: 130 fig 1 e

--, Kiefer, 1958, p. 160

--, Kiefer, 1960, p. 438

--, Herbst, 1955, p. 264, 240-1, 243, 246-8, 288

--, Por, 1967, p. 1

--, PENNAK, 1963: 358, PL. 1

--, Lindberg, 1953h: 170-173.

Mesocyclops leuckarti (3)

- -- Lindberg, 1940, pp. 173-195.
- -- Lindberg, 1950, pp. 145-148.
- -- Lindberg, 1939, pp. 816-819.
- -- Lindberg, 1949 ~~pp. 38-46~~.
- -- Lindberg, 1953, ^gpp. 378.
- -- Lindberg, 1951 ^app. 233-242.
- -- Lindberg, 1954, pp. 193-222.
- -- Lindberg, 1950, pp. 301-312.
- --, Einsle, 1969, pg. 62-65 tabl. 1, figs. 5,6
- Lindberg, 1951 ^g: 65, fig. 15

-- -- Lindberg, 1950^f pp. 105-107.

— Lindberg, 1948: 76-77

-- -- Lindberg, 1950, p. 9, cahrt.

-- -- Lindberg, 1951^f p. 12.

-- -- Lindberg, 1951, p. 13.

— Lindberg, 1952^e: 65

-- -- Lindberg, 1953, pp. 11-17.

-- -- Lindberg, 1954⁹, p. 8.

-- -- Lindberg, 1953⁹; pp. ~~98~~ 98.

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

-- -- Lindberg, 1951, pp. 427-435.

-- -- Lindberg, 1951^d pp. ~~187-191~~ 193

-- -- Lindberg, 1938^c, ~~pp.~~ p. 75-100, fig. 1-5.

Mesocyclops leuckarti (2)

- Lindberg, 1936a: 12
-- -- Lindberg, 1960, pp. 1-16.
-- -- Lindberg, 1957, p. 79.
-- -- Lindberg, 1962, p. 271-274.
-- -- Lindberg, 1957, p. 138.
-- -- Lindberg, 1956, p. 3.
-- -- Lindberg, 1956, p. 114.
-- -- Lindberg, 1955, p. 461.
-- -- Lindberg, 1955, p. 107.
-- -- Lindberg, 1946b: 316-317
-- -- Lindberg, 1949b: 9.
-- -- Lindberg, 1950, p. 30, chart.
— Lindberg, 1942c: 343

- — Kiefer, 1932, p. 251:
— — Kiefer, 1933, p. 574: figs. 132 - 136.
— — Kiefer, 1934, p. 164.
— — Wilson, p. 193, 1942
— — Ueno 1935, p. 89, Japan
— — Harding 1942, p. 190, Lake Rukwa, Africa
— — , Ravera, 1953, pl. 4, 12. Developmental stages Italy,
— — , Ito, 1954, pp. 403-405, Figs. 163-168 Japan Wells
— — , HINDBERG, 1942, p. 142, INDIA, fig. 4,
— — , Ito, 1957, pl. 29, fig. 30-34. Eel culture ponds, w. coast
Ise Bay, Japan.
— — , Herbst, 1957, p. 224
— — Einsle, 1962, p. 307
— — Einsle, 1968, p. 132

Cyclopidae - Cyclopoidea

Mesocyclops leuckarti Claus ♀ ♂

Cyclops - Claus 1857 ^{Arch. Naturg. v. 23(1)} p. 35, pl. 1, fig 4, pl. 2, fig 13, 14

— — Kiefer, 1929, p. 79: fig. 31.

— — Kiefer, 1931, p. 594:

— — Kiefer, 1928, p. 557:

— — Kiefer, 1928, p. 397:

— — Kiefer, 1929 (Zeitschr. Wiss. Zool., 133) p. 4 et seq. — 4 subsp.

Habitat Europe, America, Asia, Africa, Australia

— — Herbst, 1954-55 p. 115

-- -- Lindberg, 1959, p. 11.

-- -- Lindberg, 1958, bp. 115.

Cyclops leuckarti CLAUS

card 5

--, Sarkka, 1975, p. 9

--, Daday, 1905: 141

—, Chappuis, 1922: 171

— Pearse, 1911: 108

— Reuter-Schiltz & Hoffmann, 1970: 236-239

fig. 37-41

— Ruhe, 1914: 35

-- OLIVE 1955: 433.

-- J E MOORE 1952: 422-445.

Cyclops leuckarti Claus

card 6

- Bařkov 1929: 361, Canadian lakes
- CHANDLER, D. 1939: 27, 33, 36 - HURON RIVER
- LEUCHARTI, CHANDLER, D. 1940: 325, L. ERIE
- Kiefer, 1925: 339 - 344, fig. 3
- CLAUD 1893e: 293, 305, 345 (syn. C. SIMPLEX POGGENWAL)
- Willey, 1923: 310-311
- EDDY & SIMER 1928: 61-, MISSISSIPPI,

MESOCYCLOPS LEUCKARTI (CLAUS)

CARD 13

- BORUTZKY, 1960: 95, FIG. 38(1); FIG. 159(7); 213-215
- Rearse & Wilson, 1938: 153
- Gophen, 1980: passim 67-75.
- SOOKSRI 1967: 5, 8, 22-26, FIGS. 6, 7-text,

Gnathostoma spinigerum

- REID + SAUNDERS 1986: 820, M. LEUCKARTI OF
SAUNDERS + INPANTE, 1981 = M. ASPERICORNIS DADAY
- Kiefer, 1978: 215
- Straskraba & Legner, 1969: 25 Cuba

— Tonolli & Bonomi, 1965: 99 -

-- REDDELL 1981: 81

- LEUKARTI, CARLI + CRISAFI 1983: 75, PL. 14 FIG 1-
COASTAL LAGOONS, ITALY; SYN. M. OBSOLETUS

--, FLÖSSNER 1985: 516, GERMANY

-- REED 1964: 699, POLAND

CYCLOPS-, IZAWA 1987: 154-

-- WILLIAMSON 1986: 12-18

-- RIVIERE + THIREL 1981: 428

-- SMITH + FERNANDO 1977: 1874, 1883, FIGS. 47-49,
ONTARIO

Mesocyclops leuckarti (Claus)

card 14

- leuckartii, Rossaro 1988: 99, Po River, Italy

-- RIVIÈRE ET AL. 1987: 429

- LEUKARTI, HARRIS, M. J. 1973: 34

-- ANTONIETTI ET AL. 1988: 547-, LAGO SCURO
PARMENSE, ITALY

-- KAWABATA 1987 b: 180, LAKE BIWA, JAPAN

-- KIEFFER 1931: 582-, NEW JERSEY

-- DUSSART & FERNANDO 1986 b: 288-292, FIG. 4,

DISTRIBUTION

Mesocyclops leuckarti (Claus, 1857)

card 15

- Brandl & Fernando 1986: 257
- JAMES + AL-KHARS 1986: 338
- BJORNBERG, M. + POR 1986: 230
- GOPHEN 1986: 296, 297
- PATALAS 1986: 400, ? CANADA ?
- WATSON 1986: 509, 511
- C.-, FORRO' 1986: 559
- ZHADIN + GERD 1961: 71, USSR; 72, 306, 322, 364,
388, 399, 415

Mesocyclops leuckarti (Claus, 1857)

card 16

-- Hutchinson 1953: 572-

C. -, S. WRIGHT 1928: 583, LUZON, PHILIPPINES

C. -, RAYMOND 1937: 422, BASS LAKE, MICHIGAN

-- Green, et al: 1978: p. 24 tab IV, p. 33 tab VI Bali

-- LAWLER & WATSON 1958: 210-, MANITOBA

— Winkler & Moreno, 1984: 24

— Wilson, J. N.: 1958: 426

Mesocyclops leuckarti (Claus, 1857)

card 17

-- Rylov 1932: 262, E. Siberia

-- Jeje, 1988: 171, 173

-- WATKINS & BELK 1975: 302-303, GUAM

-- GROBE 1958: 7-, SEMPACHERSEE, GERMANY

-- EINSLE 1975: 77 -

-- DURANT & MAAS 1988b: 6

-- VAN DE VELDE & DURANT 1982: 124, 132, NOT IN
SENEGAL

-- DURANT & VERHEYE 1984: 320

Mesocyclops leuckarti (Claus, 1857)

card 18

C. -, Sars 1903: 235-, records, central Asia

M. -, SCHAUSS 1908: 167-, GERMANY

M. -, GAUTHIER 1951: 3, 139-142, Pl. 38, SENEGAL

-- PIROCCHI 1947c: 61-, LAGO MAGGIORE, ITALY

C. -, BREHM 1908a: 449-

C. -, WECKER 1914: 198

C. -, TIMM 1903: 292, 293, 294, ELBE RIVER

C. -, VAN DOUWÉ 1909b: 27-28, FIGS. 86-90, GERMANY

M. -, GONZALEZ DE INFANTE 1988: 67

Mesocyclops leuckarti (Claus, 1857)

card 19

- Stella 1988: 385, central Italy
- PAPIŃSKA 1984: 493-531, POLAND
- RAWSON & MOORE 1944: 175, LAKES, SASKATCHEWAN
- AKATOVA 1949: 359, KOLYMA RIVER BASIN
- C. -, RUTTNER-K. & RUTTNER 1956: 8, AUSTRIA
(NEUSIEDLERSEE)
- M. -, LÖFFLER 1959c: 340-, AUSTRIA
- M. -, LÖFFLER 1961c: 392-, IRAN
- C. -, LINDQUIST 1959b: 68-, GULF OF BOTHNIA

Mesocyclops leuckarti (Claus, 1857)

card 20

--Smith & Fernando 1978b:46-, figs. 174-179, Ontario
(=M. americanus Dussart)

--ISHIDA, T. 1990:39-, SW JAPAN

--HERZIG 1983:65-, AUSTRIA

--S. LAT., KIEFFER 1938j:60-65, FIGS. 24-26, FORMOSA

--BRANDL 1973:84-, CULTURE

--MAIER 1990a:490-, GERMANY

--MAIER 1990b:185-, POPULATION DYNAMICS, GERMANY

--BURRELL + ZWERNER 1972:140, CHESAPEAKE BAY

Mesocyclops leuckarti (Claus, 1857)

card 21

- Bunting 1973:140, Tennessee (from Yeatman record)
- BRANCELT 1990: 21, YUGOSLAVIA
- COLLADO ~~ET AL.~~ 1984: 115-, CENTRAL AMERICA & ANTILLES (THESE RECORDS DISCLAIMED)
- VAN DE VELDE 1984b: 405-, FIG. 5A, GERMANY, BELGIUM
- Wilson, 1958, p. 15
- GROUP, TAYLOR & MAHONEY 1990: 612, RAINBOW BAY, SOUTH CAROLINA
- KAWABATA 1991: 32

Mesocyclops leuckarti (Claus, 1857)

card 22

-- HEMSEN 1952:587, 626-627, IRAN

-- RYKOV 1923: 76, MANCHURIA

-- RAJENDRAN 1973: 145-, FIG. 2, INDIA

CYCLOPS -, SMYLY 1968: 330-, ENGLISH LAKE DISTRICT

-- WHITEHOUSE & LEWIS 1973: 233-

-- TORKE 1976: 7-

C. (M.) -, HARDING & SMITH 1974: 26-, FIG. 11g, h, 16d,

BRITAIN

M. -, BREHM 1959d: 2, NEW GUINEA

Mesocyclops leuckarti (Claus, 1857)

card 23

- Dussart & Fernando 1990:2602, 2603, not in North America; NA RECORDS = M. AMERICANUS
- REID 1990g: 181
- ALEXEEV & POPOV 1986: 114
- NISA ET AL. 1987: 121-
- JAMIESON & BURNS 1988: 252-
- WILLIAMSON 1991: 792-, FIG. 21.7i
- CYCLOPS -, MCKEE & COKER 1940: 179, NORTH CAROLINA
- CYCLOPS (M.) -, COKER 1938: 85, NORTH CAROLINA

Mesocyclops leuckarti (Claus, 1857)

card 24

Cyclops -, Robert 1921:46-, Lake Neuchatel, France

M.-, MAIER 1990c: 11-, SOUTH GERMANY

M.-, ELGMORK ET AL. 1990:187-, SOUTH-CENTRAL NORWAY

M.-, REID 1992a: 241, 245; KIEFER (1931) REPORT FROM
NEW JERSEY = M. AMERICANUS

M.-, MONCHENKO 1980: 16

M.-, MAZEPOVA 1978: 12, 86, LAKE BAIKAL

M.-, ALEKSEEV 1992a: 9-

M.-, ADRIAN 1991: 2852 -

Mesocyclops leuckarti (Claus, 1857)

card 25

M. leuckarti, Ramalingam & Raghunathan 1982: 188-190,
Kovur, Madras, India, pH tolerance

-- BOXSHALL & BRAIDE 1991: 185-, 210, NOT IN
SUBSAHARAN AFRICA

-- ALEKSEEV 1996: 8-, DIAPAUSE

-- PETITOUSKI 1986: 48-, NOT IN NEOTROPICS/AMERICAS

CYCLOPS -, SARS 1898: 350, JANA TERR, RUSSIA

M. -, COLLADO ET AL. 1984: 98

M. l. l., ALEKSEEV 1993: 55-58, CF. M. l. ARAKHLENSIS

Mesocyclops leuckarti leuckarti (Claus, 1857)

--- Dussart 1981c: 162

-- S. STR., REID 1985b: 44-45, FIGS. 173-177

--- RIVIERE & THIREL 1981: 437

— Wurtsbaugh & Li, 1985: 570 (food for fish)

CYCLOPS L., TH. LEVAND 1912(14): 161, 165, COLOMBIA

CYCLOPS LEUCKARTII, SOWINSKY 1888: 233, UKRAINE

M.L., CZAIRA 1982: 467

M.L., SHEN & SUNG 1965b: 390, NW CHINA

Mesocyclops leuckarti (Claus, 1857)

card 28

- Reid 1993b: 176-
- BONOU ET AL. 1991: 300
- KAWABATA + DEFAYE 1994: 152
- ONABAMIRO 1957: 123 -
- FINSLE 1989: 82; FIGS. 2, 5-7, LAKE KONSTANZ, GERMANY
(INCLUDING "BODANICOLA-TYPE")
- HOLYNSKI + FIERIS 1994: 42, FIG. 6 C, TABS. 2, 3
- BAYLY + MORTON 1978: 2537, 2538, TAB. 1, AUSTRALIA
- WYNGAARD + CHINNAPPA 1982: 486 -

MESOCYCLOPS LEUCKARTI (CLAUS, 1857)

(28)

- DEFAYE + KAWABATA 1993: 121, 126, RECORDS FROM JAPAN MAY = M. DISSIMILIS, N.S.P. OR OTHERS
- HARKNESS + PIERCE 1941: 114, FLORIDA, USA (PROBABLY = EDAX)
- S.L., PLESA 1981: 26, FIGS. 30-31, 36, CUBA
- YOO + LIM 1989: 133-134, PL. 8 FIGS. 1-6, KOREA
- UEDA, ISHIDA + IMAI 1996: 45
- G., STEUER 1897: 523-524, AUSTRIA - HUNGARY.
- C. LEUCKARTI EDAX, PETROVSKI 1986: 50

MESOCYCLOPS LEUCKARTI (CLAUS, 1857)

- - PETKOVSKI 1986: 48-57
- - PROPHET ET AL. 1959: 189, KANSAS, USA
- - DAHMS + FERNANDO 1993: 589-608, FIGS. 1-13,
HUNGARY; REDESCRIPTION; NAUPLII
- - EINSLE 1971: 55-57, FIG. 20, TAB. 6, CONGO/ZAIRE
- - FIERS ET AL. 1996: 81, 82, NOT IN YUCATAN, MEXICO
- - FLÖSSNER 1986: 6, 32-33, FIG. 17A-C, MONGOLIA; "CF."
- REID + REED 1994: 80, 82, 85
- - ISHIDA 1989: 1, HONSHU, JAPAN

MESOCYCLOPS LEUCKARTI (CLAUS, 1857)

(30)

-- SCHACHTER 1958: TAB. 3, FRANCE

-- UEDA, OHTSUKA & KURAMOTO 1996: 305

-- KIEFFER 1927: 72-73, FIG. 10

-- KIEFFER 1927: 201, GERMANY

-- KIEFFER 1973: 264, 266, FIG. 15, TABS. I, II, GERMANY

CYCLOPS -, BREKVEN, VAN 1907: 30-31, pl. I FIGS. 19-21,
NETHERLANDS

-- DEPAYE, DUSSART, ET AL. 1987: 3144

-- HIZUNO & MORI 1970: 94, TAB. 11A, CAMBODIA

MESOCYCLOPS LEUCKARTI (CLAUS, 1857)

(31)

-- LACROIX + LESCHER - MOUTOUÉ 1991: 1531-1534, FRANCE

-- DRFAYE 1995: 11

-- UEDA + ISHIDA 1997: 41, 52

Mesocyclops leuckarti f. typica

- Harada, 1931: 161

MESOCYCLOPS LEUCKARTI AEGUATORIALIS - SEB

M. AEGUATORIALIS

Mesocyclops leuckarti aequatorialis forma micrura

----, Kiefer, 1952, p. 101, fig. 151, ^{Kiefer, 1929} p. 10, 17

--, DOSSART, 1972: 869, 872

---- PLESA 1981: 26

Mesocyclops leuckarti arakhensis Alekseev, 1993

--- Alekseev 1993: 55-58, Figs. 1-16, n. ssp. female + male, Russia, Chita Province, Arakhley Lake (East' Siberia)

= LEUCKARTI BODANICOLA
Mesocyclops bodanicola Kiefer

-- Kiefer, 1955. pp. 123, fig. 24-25.

- - Einsle, 1967, p. 306

- - Einsle, 1968, p. 133

--, Kiefer & Muehle, 1959, p. 28 (syn. Cyclops
leuckarti of several authors, Mesocyclops
leuckarti bodanicola Kiefer), pp. 33-5.

--, Herbst, 1953, p. 150

--, Kiefer, 1952, p. 61

--, Kiefer, 1958, p. 52

--, KIEFER 1938: 150-153; Figs. 1-6.

--, DUSSART 1966: 289; Fig. 1.

- LEUCKARTI BO DANICOLA

Mesocyclops bodanicola Kiefer

card 2

--, Kiefer, 1963, p. 37

-- GAUTHIER 1951: 142

-- KIEFER 1955a: 123, FIG. 24, 25, TURKEY

-- FINSLE 1989: 82-, GERMANY (TYPE OF LEUCKARTI)

M.B., KIEFER 1973: 264, 266, FIG. 14, TABS. I, II, GERMANY

Mesocyclops leuckarti f. bodanicola (Kiefer) 1929 Ⓝ

-- -- Lindberg, 1962, pp. 271-274.

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

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

--, Kiefer & Muckle, 1959, p. 28, = Mesocyclops bodanicola

--, LESCHER-MOUTOUÉ, 1976b. : 97

— Kiefer, 1978: 215

--- RIVIERE + THIREL 1981: 437

--- VAN DE VELDE 1984: 416-

CYCLOPS L. BODANICOLA, FRYER + SMYLY 1954: 68.

Mesocyclops leuckarti bodanicola (Kiefer)

card 4

--- Alekseev 1993: 58, cf. M. l. arakhlensis

--- PLESA 1981: 26

Mesocyclops leuckarti deccanensis

- -- Lindberg, 1935, pp. ~~419-405-419~~.
408-412, fig. 3-5
- -- Lindberg, 1938, pp. 75-100

MESOCYCLOPS LEUCKARTI EDAX - SEE M. EDAX

Mesocyclops (Mesocyclops) Leuckarti forma Fortii

Mann, 1949

----- Kiefer 1955d: 122-123, invalid name, = M.

Leuckarti aequatorialis

MESOCYCHOMS LEUCKARTI MONGOLIENSIS - SEE

M. MONGOLIENSIS

MESOCYCLOPS LEUCKARTI VAR. PILOSUS KIEFER -

SEE M. PILOSUS

MESOCYCLOPS LEUCKARTI SETOSUS - SEE M. LONGISETUS STR.

CYCLOPS LEUCKARTI VINCENTIANA - SEE

MESOCYCLOPS ANNULATUS

Mesocyclops longisetus (Thiébaud) ♀, ♂ ①

CYCLOPS LEUCKARTI VAR. LONGISETA THIÉBAUD 1912(14):
161, 165-166, FIGS. 6-8, N. VAR., COLOMBIA, ARGENTINA.

— Kiefer, 1929, p. 81: fig. 32

— ta, Thiébaud, 1912, p. 165: figs. 6-8

— ta, Kiefer, 1929, p. 22:

— us Lowndes, 1934, p. 105: fig. 6, a-g, PARAGUAY

--, LINDBERG, 1955: 486-487

Habitat. South America; Colombia; Argentina;
Paraguay; Brazil.

--, Saunders & Infante, 1981, p. 116

--, Aparecida Juliano de Carvalho, 1971, p. 344

— — Kiefer, 1929, p. 18. figs. 13-18.

-- --, Herbst, 1959. pp. 71-72, fig. 43-45

-- -- Lindberg, 195~~4~~⁴/₂ pp. ~~193-222~~ 207-208, fig 7a-e

---, Reddell, 1965, p. 157

— Löffler, 1958:20

SOUTH AMERICA;
CHILE

Mesocyclops longisetus (Thiebaud, 1897)

- Smith & Fernando, 1978, *passim*, CUBA
- Sendacz & Kubo, 1982, p. 51, 80-81, 83
- Dussart, 1982: 323, fig. 7
- Brandorff et al 1982: 76
- Dominguez & Zuniga, 1979: 54-55
- Zuniga & Dominguez, 1978: 91-95
- Campos, et al. 1974: 55
- Thomasson, 1957: 62, fig. 4 #2a-d.
- Torres, et al, 1980: 208

MESOCYCLOPS LONGISETUS (THIÉBAUD, 1914) CARD 3

- DUSSART 1984: 26, 41, 65
- CAMPOS 1984: 1325 - CHILE
- SMITH & FERNANDO 1980a: 11, 23, FIGS. 10A-E, CUBA
- SMITH & FERNANDO 1980b: 14, FIG. 80 - CUBA
- YEATMAN 1977: 7.
- ZUÑIGA & DOMÍNGUEZ 1977: 109-120, Chilean lakes
- DUSSART 1984d: 257-264, FIG. 5B
- ^{FALLAVIGNA} ~~Bello~~ F, 1985: 6-7, fig. 14-15
- REID 1985b: 46, FIGS. 187-190

Mesocyclops longisetus (Thiébaud, 1914)

card 4

- Carvalho, M. L. 1981: 37-, Lago Grande, Amazonas
- S-STR., REID 1988b: 191-193, COLOMBIA, GUATEMALA
- REID ET AL. 1988: 527, BRAZIL
- MONTÚ & GLOEDEN 1986: 118-, FIG. 36 a-e, LAGOA DOS PATOS, BRAZIL
- ZUÑIGA & ARAYA 1982(85): 48-, CHILE
- DUSSART & FERNANDO 1986b: 291, FLORIDA
- MARTEN ET AL. 1989: 624-, COLOMBIA
- CABIANCA & SENDACZ 1985: 91, BORBA RESERVOIR, SP, BRAZIL

Mesocyclops longisetus (Thiebaud, 1914)

card 5

- Harding 1955:220, 244, fig. 70, Bolivia
- REID + MORENO 1990: 726, PANTANAL, BRAZIL
- ZUÑIGA 1988: 7, CHILE-NORTHERN PATAGONIA
- ROLLA ET AL. 1990: 240, VOLTA GRANDE RES, BRAZIL
- COLLADO ET AL. 1984: 115, CUBA, EL SALVADOR
- DEFAYE + DUSSART 1988(89): 123
- REID 1990g: 181
- PAGGI + PAGGI 1990: 690, RIO PARANA' MÉDIO, ARGENTINA
- MARTEN 1989: 233, NEW ORLEANS, LOUISIANA

Mesocyclops longisetus (Thiébaud, 1914)

card 6

- Reid 1992a: 244

- MATSUMURA-TUNDISI & TUNDISI 1986: 37, TAB. 1,
LAGO DOM HELVÉCIO, MINAS GERAIS, BRAZIL

- O. ROCHA ET AL. 1990: 94, BRAZIL

- COLLADO ET AL. 1984: 98

- DUSSART & FRUTOS 1985(1986): 314

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

- REID 1993b: 173-174, LOUISIANA (USA) & PANAMA

- TUNDISI & MATSUMURA TUNDISI 1981: 206, RIO
DOCE SYSTEM, MINAS GERAIS, BRAZIL

Mesocyclops longisetus (Thiébaud, 1914)

card 7

- Lansac Toha & Lima 1993: 91-, Tab. 1, S. Paulo, Brazil
- MATSUMURA-TUNDISI ET AL. 1990: 141-, BARRA BONITA RESERVOIR, SP, BRAZIL
- MARTEN, CUSH ET AL. 1994: 133-137, HONDURAS
- MARTEN, BORDES + NGUYEN 1993: 129-131, LOUISIANA, USA
- MARTEN, CHE + BORDES 1993: 150-, LOUISIANA, USA
- SUÁREZ, M. F. ET AL. 1992: 409-
- PRID + MARTEN 1995: 39-, LOUISIANA, USA
- ALESA 1981: 26, FIGS. 32-35, 37, CUBA

MESOCYCLOPS LONGISETUS (THIÉBAUD, 1914) ⑧

- H. CAMPOS ET AL. 1988: 59-60, 64, TAB. 9, CHILE - AS "LONGISETA"
- LEECH + WYNGAARD 1996: 496-499, LOUISIANA, USA
- C. LEUCKARTI LONGISETA, PETKOVSKI 1986: 50
- PETKOVSKI 1986: 49
- LOPES, R. ET AL. 1997: 45, TAB. 1C, PARANÁ, BRAZIL
- SANTOS + ANDRADE 1997: 221-225, SÃO PAULO, BRAZIL

= MESOCYCLOPS LONGISETUS S. STR.

Cyclops simplex setosus Wierzejski, 1892

---, Pesta, 1927, p. 78

— Wierzejski, 1892⁸: ~~186~~, fig 8-10 (Tab. V)

— Wierzejski, 1892a: 186

CYCLOPS LEUCKARTI SETOSA, PETKOVSKI 1986: 49

Mesocyclops longisetus araucanus - see M. araucanus

Mesocyclops longisetus var. curvatus Dussart, 1987

-- Reid 1990g:181

-- REID 1993b: 173, 174, LOUISIANA (USA), PANAMA

-- REID + MARTEN 1995: 40-, LOUISIANA/USA

-- FIERIS ET AL. 1996: 82, 96, YUCATÁN, MEXICO

-- REID + REED 1994: 80-87, FIGS. 1, 2, YUKON, CANADA

MESOCYCLOPS MACRACANTHUS - SEE THERMOCYCLOPS

Mesocyclops (Thermocyclops) maheensis - see

Thermocyclops

Cyclopidae - Cyclopoidea

Mesocyclops major G.O. Sars ♀ ①

— Sars, 1927, p. 116 : pl. III; figs. 16-20.

— Kiefer, 1929, p. 22 :

— Van de Velde, 1984 : 21 - 27, fig. 11-14

-- DUSSART 1981b : 140, 156-7, FIGS. 13-14, NIGER BASIN

-- DURANT & VERHEYE 1984 : 320

Habitat. Bergvliet, Cape Peninsula

-- DUSSART & FERNANDO 1986b : 291

-- BOXSHALL & BRAIDE 1991 : 209, FIG. 62-63, NIGERIA

-- REID & KAY 1992 : 336

Mesocyclops major G. O. Sars, 1927

card 2

-- Defaye 1988: 105-, Tab. 1, Ethiopia

-- HOLYNSKI + FIERS 1994: 41-49, FIG. 5A, TABS. 2, 3

-- JEJE + FERNANDO 1992: 241-, NIGERIA

Cyclopidae - Cyclopoidea

Mesocyclops meridianus (Kiefer) ♀, ♂ ①

— — Kiefer, 1929, p. 81. : fig. 33

— — Kiefer, 1926, p. 23, figs. 8-10.

— — Kiefer, 1929, p. 22, : figs. 19-20

— — Kiefer, 1933, p. 406:

— — Brandorff, et al 1982: 76

Habitat Paraguay, Argentina

— — Lowndes, 1934' p. 107: fig. 7, a-e: fig. 8, a-e.

-- -- Lindberg, 1955, p. 484.

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

MESOCYCLOPS MERIDIANUS (KIEFER)

CARD 2

- LINDBERG, 1955: 486-487
- LOFFLER, 1963: 217-218
- Saunders & Infante, 1981, p. 116
- DUSSART 1984: 25-28, 34, 36-38, 41, 60, 65, FIG. 26
- YEATMAN 1977: 7
- DUSSART 1984d: 257-264, FIG. 3
- REID 1985b: 45-46, FIGS. 183-186; M. BRASILIANUS A

POSSIBLE SYNONYM

- REID ET AL. 1988: 527; BRAZIL

Mesocyclops meridianus (Kiefer, 1929)

card 3

- Montú 1980b: 57-, Lagoa dos Patos, Brazil
- MONTU' + GLOEDEN 1986: 114-, FIG. a-c, "
- DUSSART 1986b: 291, CENTRAL AMERICA / CARIBBEAN
- REID & TURNER 1988: 489-, MARANHÃO, BRAZIL
- GONZALEZ DE INFANTE 1988: 108, FIG. 36(8)
- SILVA ET AL. 1989: 729-, FIGS 155-183, PARÁ,
AMAZONAS, MARANHÃO, MATO GROSSO DO SUL, MINAS
GERAIS, RIO GRANDE DO SUL, BRAZIL.
- HARDING 1955: 229, 244, - 245, FIGS. 71-74, BOLIVIA

Mesocyclops meridianus (Kiefer, 1929)

card 4

- Reid 1990 & Moreno 1990:726-, Pantanal, Brazil
- ROLLA ET AL. 1990:240-, VOLTA GRANDE RES, BRAZIL
- COLLADO ET AL. 1984:115-
- DEFAYE + DUSSART 1988(89):110,112, FRENCH
GUIANA
- REID 1990g:181
- PAGGI + PAGGI 1990:690-, RIO PARANA' MÉDIA, ARGENTINA
- COLLADO ET AL. 1984:98
N. ARGENTINA
- DUSSART + FRUTOS 1985(1986):312, M. m. OF LOWLANDS
= M. PARANAENSIS N. SP.; FIGS. 313-314, FIGS. 56-59

Mesocyclops meridianus (Kiefer, 1929)

card 5

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

-- REID 1993b: 188

C. -, PETKOVSKI 1986: 50; U. -, 49, 51

-- LIMA ET AL. 1986: 112-115, MATO GROSSO DO SUL, BRAZIL

-- SAUNDERS + LEWIS 1988: 343-349, VENEZUELA

-- MERIDIONALIS, KIEFER 1927: 121

-- LANSAC-TÔHA ET AL. 1997: 140, 141, 146, 147, TAB. 3,
PARANÁ, BRAZIL

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

Mesocyclops meridionalis Dussart & Frutos 1986

-- Dussart & Frutos 1985(1986): 313, figs. 51-55, n. sp.

female only, northern Argentina

-- Reid & Moreno 1990:726-, Pantanal, Brazil

-- PETKOVSKI 1986: 51

Mesocyclops microlasius kiefer

— Kiefer, 1981: 173-175, fig. 11 (57-12)
-- DASSART + FERNANDO 1986b: 291
-- REID + KAY 1992: 336 -

MESOCYCLOPS MICROSPINULOSUS - SEE

THERMOCYCLOPS

Mesocyclops minutus - see under Thermocyclops

Cyclopidae - Cyclopoida

Mesocyclops monardi (Perret) ♀

— — Perret, 1925, p. 41, pl. 4 : figs. 1-6

— — Kiefer, 1929, p. 23 :

Habitat. North America

Mesocyclops mongoliensis

Kiefer

— Kiefer, ¹⁹⁸¹~~1977~~: 160-161, fig. 4

-- DASSART + FERNANDO 1986: 291

MESOCYCLOPS LEUCKARTI MONGOLIENSIS, NEW RANK,
FLÖSSNER 1986: 32-33

Mesocyclops neglectus G. O. Sars - see Thermocyclops

Mesocyclops nicaraguensis Herbst

-- -- Herbst, 1960. pp. 42-45, fig. 33-41

-- --, Cole, 1976, p. 13

-- -- DUSSART 1984: 65

-- -- DUSSART + FERNANDO 1986 b: 291

-- -- COLLADO ET AL. 1984: 115-

-- -- REID 1990g: 180, SYN. OF M. EDAX

-- -- PETKOVSKI 1986: 57

-- -- CISNEROS + MANGAS 1991: 1167, TAB. 1, LAKE
XOLOTLÁN, NICARAGUA

Mesocyclops nigerianus Kiefer - see Thermocyclops

Mesocyclops notius Kiefer ①

- Kiefer, 1981: 165 - 167, fig. 6 (#5-8)
- DASSART & FERNANDO 1986: 291, AUSTRALIA
- TIMMS & MORTON 1988: 162-, AUSTRALIA
- REID & KAY 1992: 336
- DUMONT & MAAS 1985: 121-
- BROWN, KAY & HENDRIKZ 1991: 619-623, TABS. 1-3,
AUSTRALIA (QUEENSLAND)
- DEFAYE & KAWABATA 1993: 136

Mesocyclops oblongatus (Sars) - see Thermocyclops

Cyclopidae - Cyclopoida.

Mesocyclops obsoletus (Koch), ♀

- Cyclops — Koch, 1841, heft 21, pl. 5. | pl. 1, f. 4
— Leuckarti Claus, 1857, p. 35: pl. 2, f. 13-14: ^
— — Cunningham, 1915, p. 83.
— — Claus, 1863, p. 101.

Habitat, Lake Albert Nyanza: Norway: Europe:
Asia: Africa: No. America: Brazil:
Argentina: Australia.

leuckarti Sars, 1863, p. 239.

— — Herrick, 1884, p. 146.

— — Daday, 1885, p. 218.

— — Schmeil, 1891, p. 25.

— — Schmeil, 1892, p. 57: pl. 3, f. 1-8.

— — Richard, 1891, p. 230: pl. 6, fig. 20.

— — Marsh, 1893, p. 209: pl. 4, f. 17: pl. 5, f. 2-6

— — Herrick, 1895, p. 96: pl. 16: pl. 18, f. 1, A-J: pl. 24, f. 2-6

— simplex Poggenpol, 1874, p. 70: pl. 15, f. 1-3.

— — Herrick, 1884, p. 150: Rehberg, 1880, p. 542.

— — Daday, 1885, p. 236. — leuckarti Daday, 1885, p. 218.

— — Craigin, 1883, p. 8 (transl. of Poggenpol)

M. obsoletus (2).

- Cyclops simplex* Vosseler, 1886, p. 193: pl. 4, f. 15-17.
— — Herrick, 1887, p. 17: pl. 7, f. 1, a-j.
— — Thallwitz, 1890, p. 79 1-50
— — Laude, 1890, p. 55: pl. 16, f. 42-45: pl. 17, f. 46-
— *tenuicornis* Uljanin, 1875, p. 30: pl. 9, f. 12-13.
— *leerwenhoekii* Hoek, 1878, p. 19: pl. 3, f. 1-12.
— *tenuissimis* Herrick, 1883, p. 499: pl. 5, f. 24-25: pl. 6,
— *edax* Forbes, 1891, p. 709: pl. 3, f. 15: pl. 4, f. 16-19 | f. 20-21
— *scourfieldi* Brady, 1891, p. 10: pl. 4, f. 1-8.
— *leuckarti* T. Scott, 1906, p. 347.

— *leuckarti* Stebbing, 1910, p. 547.

— — Williams, 1907, p. 72.

Mesocyclops obsoletus Sars, 1913, p. 58: pl. 35.

Cyclops leuckarti Marsh, 1897, p. 15: pl. 7, f. 15.

— — Steyer, 1897, p. 32

— — Brewer, 1898, p. 131

— — Burckhardt, 1900, p. 640

— — Lilljeborg, 1901, p. 35: pl. 2, figs. 28-29

— — Graeter, 1903, p. 509: pl. 15, figs. 26 & 30

— — van Douwe, 1905, p. 681

— *pulchellus* Byrnes, 1909, p. 24: pl. 10, figs. 1-3.

Mesocyclops obsoletus Henry, 1919, p. 38.

- — Sewell, 1924, p. 798.
- — Sars, 1927, p. 112 : pl. 10, figs. 14 - 18.
- — Kiefer, 1929, p. 23, p.
- — Wilson, 1932, p. 330 : fig. 197.
- — Lowndes, 1930, p. 166.
- , Wilson, 1960, p. 163

- RIVIERE & THIREL 1981: 428
- BONNET & MUKAIDA 1957: 100, HAWAII
- LANGFORD 1938a: 29, ONTARIO
- CARVALHO 1939: 42, 47, OFF SÃO PAULO, BRAZIL

MESOCYCLOPS OBSOLETUS (KOCH)

(4)

-- BONNET + MURAKIDA, 1957:100, HAWAII (ACTUALLY
= M. AMERICORNIS)

-- DEFAYE, DUSSART ET AL. 1987:3144

Mesocyclops ogunnus Onabamiro, ¹⁹⁵⁷ ①
NIGERIA

- Onabamiro, 1957: 125, fig. 7-12, 1
- Van de Velde, ~~1957~~⁸⁴: 31-36, fig 19-22
- DUSSART & FERNANDO 1986b: 291
- GOPHEN 1986: 294-297, LAKE KINNERET, ISRAEL;
ALVES SYNONYMS FOR L. KINNERET.
- DUMONT & MAAS 1988b: 4, 6, IVORY COAST
- DUMONT & VERHEYE 1984: 320
- GOPHEN 1988: 375-, LAKE KINNERET, ISRAEL

Mesocyclops ogunnus Onabamiro, 1957

card 2

- Boxshall & Braide 1991:209, fig. 64,66, Nigeria
- REIDY KAY 1992: 331, 338-339, FIG. 3d-f,
VIENTIANE, LAOS
- BONOU ET AL. 1991: 287-, IVORY COAST
- DEFAYE 1988: 105-, TAB.1, ETHIOPIA; FIGS. 144-150
- HOLYNSKI + FIERS 1994: 41-49, FIG. 4E, F, TABS. 2, 3,
INDIA, SENEGAL
- JEJE + FERNANDO 1992: 241-, NIGERIA
- REID + PINTO-COELHO 1994: 93-108, MINAS GERAIS/SAO
PAULO, BRAZIL

MESOCYCLOPS OGUNNUS ONA BAMIRO, 1957

(3)

-- DEFAYE 1995: 11, 16, 18, ISRAEL

MESOCYCLOPS OITHONOIDES G.O. SARS - SEE

THERMOCYCLOPS OITHONOIDES

MESOCYCLOPS

OPERCULIFER - SEE

THERMOCYCLOPS

MESOCYCLOPS ORGHIDANI - SEE THERMOCYCLOPS

Mesocyclops paludosus

Lindberg.

-- -- Lindberg, 1956,^b p. 3-6, fig. 1 a-e.

-- Van de Velde, 1984: 54-57, fig. 37-38

-- DUSSART & FERNANDO 1986b: 291

-- DURANT & VERHEYE 1984: 320

-- HOLYNSKI & FIERIS 1994: 41-49, TABS. 2, 3

Mesocyclops papuensis Van De Velde, 1987

n. sp. Van De Velde, 1987, pp. 157-160, figs 45-59
Papua New Guinea

-- REID 1993b: 183

-- HOLYNSKI & FIERs 1994: 42-50, FIG. 6E-G, TABS.
2, 3, INDIA, PAPUA NEW GUINEA

Mesocyclops paranaensis Dussart & Frutos, 1986

- Dussart & Frutos 1985(1986): 312-313, figs. 46-50,
n. sp. female only, northern Argentina near Corrientes;
syn. M. meridianus of Lowndes

-- PETKOVSKI 1986: 51

-- FIEBS ET AL. 1996: 96, 97

MESOCYCLOPS PEHPEIENSIS HU, 1943 CARD 1

MESOCYCLOPS LEUCKARTI PEHPEIENSIS HU, 1943: 124-126

M. PEHPEIENSIS, ACADEMIA SINICA, 1979: 406, 409-410;

FIG. 247, 248; SYN: M. LEUCKARTI 1956

-- DUSSART & FERNANDO 1985: 203-204, MALAYSIA,
SRI LANKA; M. RUTTNERI KIEFER A SYNONYM.

-- DUSSART & FERNANDO 1986b: 289, 291, FIGS. 10, 13;
AUSTRALIA

- Van De Velde, 1987: 160

- CF. - REID & KAY 1992: 331, 332, 339, VIENTIANE, LAOS

Mesocyclops pehpeiensis Hu, 1943

card 2

-- Reid 1993b: 182

-- KAWABATA + DEFAYE 1994: 151, FIGS. 6, 7, LAKE

KAHOKU-GATA, JAPAN

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

-- UEDA, ISHIDA + IMAI 1996: 45, JAPAN (KYUSHU)

Mesocyclops pescei {Petkovski, 1986}

Mesocyclops aequatorialis americanus, Pesce 1985:318-,
figs. 66-71, n. sp.

M. aequatorialis pescei, nom. nov. Petkovski 1986: 47-56

M. pescei Reid 1990g:181

M. a. a., Petko

Mesocyclops petroeiensis

-- Dussart & Fernando 1986b: 291

MESOCYCLOPS ~~LEUCKARTI~~ PILOSA Pilosus (Kiefer, 1930)

- , Saunders & Infante, 1981, p. 116
- , WELLS, 1973: 135
- [= M. pilosa] Kiefer, 1981: 173, fig. 11
- Dussart, 1982: 80-82, pl. 21 B
- M. LEUCKARTI VAR. PILOSUS - BORUTZKY, 1960: 94
FIG. 38(2)
- M. LEUCKARTI PILOSA, MARTEN 1984: 1-5, FIG. 1.
- M. LEUCKARTI PILOSA, WELLS + MCKENZIE 1973: 135, ALTABRA
- L. PILOSA, RIVIERE & THIREL 1981: 437

Mesocyclops pilosus (Kiefer, 1930)

card 2

-- Dussart & Fernando 1986b: 291

M. LEUCKARTI PILOSA, MARTEN 1989: 232

M.L. VAR. PILOSUS, MIRABDULLAYEV 1990: 61.

M. PILOSUS, REID & KAY 1992: 336

M. PILOSUS, DUNONT & MAAS 1985: 120

M. PILOSUS, FIEBS ET AL. 1996: 99

Mesocyclops pseudoannae Van De Velde, 1987

- - n. sp. Van De Velde, 1987, p. 150-151, figs. 2-14
Papua New Guinea

-- HOLYNSKI & FIERA 1994: 42-50, FIG. 2B, D, 5C,
TABS. 2, 3, PAPUA NEW GUINEA

Mesocyclops pseudomeridianus Defaye & Dussart 1989

-- Defaye & Dussart 1988(89):110, 112, 120-121, figs.
103-109, n. sp. ♀♂, French Guiana

Mesocyclops rarus Kiefer

- Kiefer, 1981: 176-178 fig. 13.
- Van de Velde, 1984: 57-60, fig. 39-40
- DUSSART & FERNANDO 1986: 291, AUSTRALIA
- Jeje, 1988: 173, 176, 183 figs 27-33, tab. 1, in key, Nigeria
- DUMONT & VERHEEVE 1984: 320
- BOXSHALL & BRAIDE 1991: 209, FIG. 58, NIGERIA
- HOLYNSKI & FIERS 1994: 42-50, FIG. 2A, C, E, TABS. 2, 3,
RUANDA

MESOCYCLOPS RECTUS - SEE THERACYCLOPS

Mesocyclops reidae Petkovski 1986

①

-- Petkovski 1986: 47, 48, 61-66, 71, 72, 73, Abb. 11-12, n.sp.

female + male; San Luis, San Andres Island, Colombia;

-- Petkovski 1988: 40 M. ellipticus partial syn.

-- REID 1990d: 230

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

-- REID 1990g: 181; SYN. M. ELLIPTICUS AUCTORUM
(PARTIAL SYNONYMY)

-- REID 1993b: 173, 174-177, FIGS. 1, 2, MISSISSIPPI
(USA), HONDURAS

Mesocyclops reidae Petkovski, 1986

card 2

-- Reid & Marten 1995: 39-, Louisiana, USA

-- FIERIS ET AL. 1996: 67, 96-100, TAB. 1, YUCATÁN +
QUINTANA ROO, MEXICO

-- REID + REED 1994: 85

Mesocyclops restrictus Dussart & Fernando 1985

-- Dussart & Fernando 1985: 203, 204, figs. 8-14, n. sp.

♀, Rangoon, Burma

MESOCYCLOPS RETROVERSUS - SEE THERMOOCYCLOPS

Mesocyclops ruttneri Kiefer, 1981 ①

— Kiefer, 1981: 178-180, fig. 14, n.sp., AUSTRIA

-- DUSSART & FERNANDO 1985: 203, A SYNONYM
OF M. PEKPEIENSIS HU.

— Van De Velde, 1987: p. 160

M. SP. (LEUCKARTI GROUP), MARTEN 1989: 233-
NEW ORLEANS, LOUISIANA

-- REID 1993b: 173, 177-183, FIGS. 3-5, LOUISIANA (USA),
CHINA, THAILAND, VIET NAM; MISSISSIPPI (USA).

Mesocyclops ruttneri Kiefer, 1981

card 2

- Kawabata & Defaye 1994: 152
- MARTEN, CHE & BORDES 1993: 150 -, LOUISIANA, USA
- REID & MARTEN 1995: 39 -, LOUISIANA, MISSISSIPPI, USA
(INTRODUCED)
- LEECH & WYNGAARD 1996: 496-499, LOUISIANA
- FIERIS ET AL. 1996: 96, 99
- REID & REED 1994: 85
- REID 1996: 1, 6, DC, USA
- UEDA & ISHIDA 1997: 41-46, FIG. 3, RYUKYUS

MESOCYCLOPS RYLOVI SMIRNOV - SEE

THERMOCYCLOPS RYLOVI

MESOCYCLOPS RYLOVI VERMIFER - SEE

THERMOCYCLOPS RYLOVI VERMIFER

Mesocyclops salinus Onabamiro, 1957

M. SALINA,

- Onabamiro, 1957: 123, fig. 1-6, ^{NIGERIA}
- Van de Velde, 1984: 47-50, figs 32-33
- DUSSART 1981b: 140, 158, NIGER BASIN
- DUSSART + FERNANDO 1986b: 291
- Seje, 1988: 173, 179 figs 34-43, tabl, in key, Nigeria
- DUMONT + VERHEYE 1984: 320
- BOXSHALL + BRAIDE 1991: 209, FIG. 60, NIGERIA
- REID + KAY 1992: 338

Mesocyclops salinus Onabamiro, 1957

card 2

-- Defaye 1988: 105-, Tab. 1, Ethiopia; *FIGS. 139-143*

-- HOLYNSKI & FIEBS 1994: 41-49, FIG. 5B, TABS. 2, 3,
ETHIOPIA, ZAIRE

M. CURVATUS, KIEFER 1981: 169-170, FIG. 8, N. SP;
RWANDA; P. 190 OF SAME PAPER, A SYN. OF M.

SALINUS

M. CURVATUS, JEJE 1988: 179

Mesocyclops schmeili Poppe & Mrazek -- see Thermocyclops

Mesocyclops schuurmanae Kiefer - see Thermocyclops

Cyclopidae - Cyclopoidea

Mesocyclops simillimus

Brady ♀

— — Brady, 1907-08; p. 424, pl. 35: figs. 15-16.
— — Kiefer, 1929, p. 24.

Habitat. England;

Cyclopidae - Cyclopoida

Mesocyclops spinifer, (Daday)

— — Daday, 1902, p. 208, pl. 2: figs 12-18

— — Kiefer, 1929, p. 24:

CYCLOPS -, THIEBAUD 1912(14): 165

Habitat, Europe, North America

Mesocyclops spinosus Van de Velde

- Van de Velde, 1984: 45-47, fig. 30-31
- DUSSART + FERNANDO 1986b: 291
- REID + KAY 1992: 336
- HOLYOSKI + FIERB 1994: 42-50, TABS. 2, 3, IVORY COAST

Mesocyclops splendidus ~~sp. nov.~~ Lindberg, 1943

-- -- Lindberg, 1943, pp. 35-36, fig. 2.

-- Dussart & Fernando, 1985: 245-248, fig. 100-104

-- Van De Velde, 1987, pp. 150-151

-- HOLYNSKI + FIEBS 1994: 42-50, TABS. 2, 3, INDIA

Mesocyclops strenuus (Daday)

— — Daday, 1905, p. 142; pl. 9; figs. 3-4.

— — Kiefer, 1929, p. 24;

Habitat. South America

Mesocyclops taihokuensis Harada - see Thermocyclops

MESOCYCLOPS TENELLUS - SEE TROPOCYCLOPS

Mesocyclops tenuis (Marsh, 1910) - see Thermocyclops

Cyclopidae - Cyclopoida

Mesocyclops tenuisaccus (Sars) ♀

— — Sars, 1927, p. 108, pl. 10: figs. 1-13

— — Kiefer, 1929, p. 25, :

— Van de Velde, 1984: 50-54, fig. 34-36

-- DUMONT & VERHEVE 1984: 320

Habitat.

-- DUSSART 1984: 59

Mesocyclops thermocyclopoides Harada

1931

(1)

--, Ueno, 1938, p. 164, = M. leuckarti

- Keifer, 1981: 162-165, fig 5.

- Van de Velde, 1984: 31, fig. 18

-- DUSSART 1984: 59

-- DUSSART & FERNANDO 1985: 203, RANGOON

-- DUSSART 1981b: 140, 158, FIG. 13 - NIGER BASIN

— (cf.) Dussart & Fernando, 1985: 245-248, fig. 96-99

- Harada, 1931: 161-162, fig 23-25

-- DUSSART & FERNANDO 1986b: 289, 291, FIGS. 1-3,
9, 11, 12; AUSTRALIA

Mesocyclops thermocyclopoides Harada

(2)

- Van De Velde, 1987 : 152-156, figs 28-30
- Jeje, 1988: 176

-- MEYER 1938j: 63-

THERMOCYCLOPS -, COLLADO ET AL. 1984: 115, 116;
CENTRAL AMERICA, ANTILLES

M. -, KAWABATA 1991: 27-34, LAKE BIWA, JAPAN

M. -, REID 1990g: 181

M. - .S.S., REID & KAY 1992: 334-

M.C.F. -, BOONSOM 1984: 227-, THAILAND, NEW RECORD

M. -, ONABAMIRO 1957: 125

MESOCYCLOPS THERMOCYCLOPOIDES HARADA, 1931 CARD 3

- HOLYNSKI & FIERIS 1994: 42-50, FIG. 3A, TABS. 2, 3,
MALAYSIA
- DEFAYE & KAWABATA 1993: 121, 126, FORMOSA
- PESCE, DE LAURENTIIS & HUMPHREYS 1996: 67-
- UEDA, ISHIDA & IMAI 1996: 45
- CF. -, DAHMS & FERNANDO 1993: 589, 608
- CF. -, DAHMS & FERNANDO 1994: 21
- UEDA & ISHIDA 1997: 41-43, 46-48, FIG. 4, 5, RYUKYUS

Mesocyclops thermocyclopoides s.l. of Collado et al. 1984

Thermocyclops thermocyclopoides, Collado et al. 1984:

115, 116-, Central America, Antilles

Mesocyclops - s.l., Reid & Kay 1992:336

MESOCYCLOPS THERMOCYCLOPOIDES, COLLADO ET AL.
1984: 91, 95, 97, 98, FIGS. 29-37, TAB. 1, COSTA RICA

M. T., MARTEN, CUSH ET AL. 1994: 133-137, HONDURAS

M. T., PETKOVSKI 1986: 55

Mesocyclops cf. thermocyclopoides of Lim & Fernando, 1985

---- Reid & Kay 1992:332, 339-340, Hanoi, Viet Nam

Mesocyclops thermocyclopoides acutus Dussart & Fernando,
1988

--- Reid & Kay 1992:332, 340-341, Fig. 4, Sisavath,
Vientiane, Laos ; 336

MESOCYCLOPS THERMOCYCLOPOIDEA AUSTRALIENSIS - SEE

AUSTRALIENSIS

MESOCYCLOPS TINCTUS - SEE THERMOCYCLOPS

Cyclopidae - Cyclopoida

Mesocyclops tobae {Kiefer} ♀, ♂

— — Kiefer, 1933, p. 5⁷7: figs. 137 - 142

— — Kiefer, 1981: 170 - 171, fig. 9.

-- DUSSART + FERNANDO 1986b: 291

-- GOPHEN 1986: 296

-- HUTCHINSON 1953: 573-

Habitat. Java

MESOCYCLOPS TRICHOPHORUS - SEE THERMOCYCLOPS

Mesocyclops varius Dussart, 1987

-- Reid 1990g:181

Mesocyclops venezolanus Dussart ¹⁹⁸⁷

-- Marten et al. 1989: 624-, Colombia

-- MARTEN, CUSH ET AL. 1994: 133-, HONDURAS

-- REID + REED 1994: 80-87, FIGS. 3 4, YUKON, CANADA

MESOCYCLOPS VERMIFER - SEE THERMOCYCLOPS

MESOCYCLOPS VIZARRAE - SEE THERMOCYCLOPS

Mesocyclops woutersi Van De Velde, 1987

n. sp. Van De Velde, 1987, pp. 156-157, figs, 31-44
Papua New Guinea

-- REIDY & KAY 1992: 836

-- HOLYNSKIY & FIERAS 1994: 42-50, FIGS. 1, 4A, B, 6A, B,
PAPUA NEW GUINEA

MESOCYCLOPS YUTSIL REID IN FIERS ET AL., 1996
-- REID IN FIERS ET AL. 1996: 67, 82-88, FIGS.
11-15, YUCATÁN + QUINTANA ROO, MEXICO

MESOCYCLOPS SPP. 1, ^{2,5} DUMONT, 1981

and MESOCYCLOPS SPP. 1-5 DUMONT ET AL. 1981

--- DUMONT 1981b: 99, 105, WEST AFRICA

--- DUMONT ET AL. 1981: 165, 180, MALI-SEE

VAN DE VELDE 1984a FOR SYNONYMIES.

--- VAN DE VELDE 1984b: 405-, FIGS. 2-8, AFRICA, ASIA

MESOCYCLOPS sp.

CARD 1

- M.N.SP., SUÁREZ, M. F. ET AL. 1991: 409-, PUERTO RICO
--, BORUTZKY 1960: 216
-- ROUCH ET AL. 1968a: 722, KARST-FRANCE
-- REDDELL 1981: 81, CAVES, MEXICO
- SP. NOVI, TIMMS & MORTON 1988: 163-, AUSTRALIA
- REID & TURNER 1988: 489, MARANHÃO, BRAZIL
-- BARBIERI ET AL. 1989: 406-, MARANHÃO, BRAZIL
-- FREIRE & PINTO-COELHO 1986: 923-, VARGEM DAS
FLORES, MG, BRAZIL

MESOCYCLOPS sp.

CARD 2

-- CAMPOS, J. ET AL. 1996:189, FIG. 4, PARANÁ, BRAZIL

MESOCYCLOPS SP. FROM QUÉBEC, VAN DE VELDE, 1989

-- VAN DE VELDE, 1984: FIG. 5B

-- REID 1992a: 245, CF. MESOCYCLOPS AMERICANUS

Mesocyclops sp. indeterminate (Green, 1962)

Cyclops (Diacyclops) gauthieri, Green 1962:

Diacyclops gauthieri, Boxshall & Braide 1991: 210,

sp. indeterminate; = CV male Mesocyclops

MESOCYCLOPS spp.

- BROWN, KAY + HENDRIKZ 1991: 620-621, TABS. 1-3,
AUSTRALIA (QUEENSLAND)