

Cyclopidae - Cyclopoida

Macrocylops

Claus - 1893

M. coronatus.

Syn Makrocylops, Claus, 1893, p. 347.
Cyclops Claus, 1857, p. 29

- Damian-Georgescu, 1963: 60-61

- BORUTZKY 1960: 73, IN KEY; 75-77, KEY TO SOME SPP.;

158

Antennae 17-jointed, with normal develop-
ment of the joint series - Grasping antennae
with 9 sense cylinders and sense setae.
Rami of swimming-legs 3-jointed - Rudimentary legs large, the 2nd joint with
3 setae.

MACROCYCLOPS CLAUS

CARD 2

—, REID 1985b: 31-33, KEY TO SOUTH AMERICAN SPECIES.

MACROCYCLOPS, CLAUS 1893e: 311

- FERRARI 1991: 117-, DEVELOPMENT

- WILLIAMSON 1991: 795-

- MAZEPOVA 1978: 10, IN KEY; SPP. IN LAKE BAIKAL

Cyclopidae - Cyclopoida.

Cyclops albidus (Jurine), ♂. ♀.

-11: pl. 3, §. 24

Monoculus quadricornis albidus Jurine, p. 44, 1820: pl. 2, §. 10-

C. albidus Sosteric, 1888, p. : pl. 1, §. 3, 4, 12.

— — Schmeil, 1891, p. 23: 1898, p. 156.

— — Schmeil, 1892, p. 128: pl. 1, §. 8-14b: pl. 4, §. 2.

Synonym of C. signatus (Herrick, 1895, p. 105:

Norman & Brady, 1909, p. 145: Matscheck, 1910, p. 39).

Synonym of Pachycyclops annulicornis (Sars, 1914, p. 68).

(over)

- — Marsh, 1897, p. 17: pl. 6, f. 8-10.
- — Marsh, 1918, p. 777: text-fig. 1223.
- — Marsh, 1909, p. 1087: pl. 76, f. 1-9.
- — Marsh, 1912, p. 245.
- virido-signatus Byrnes, 1909, p. 23: pl. 9, f. 1-8.
- albidus Honigsmann, 1910, p. 23.
- — Kofoid, 1900, p. 119.
- — Marsh, 1913, p. 13.
- — Pearse, 1905, p. 150: pl. 14, f. 11, 13.
- — Scourfield, 1898, p. 325; 1903, p. 535.
- — Meissner, 1905, p. 177.
- — Lilljeborg, 1901, p. 49: pl. 3, f. 21-22.
- Kieffer, 1925: 339-342

- C. annulicornis* Koch, 1841, p. 21: pl. 6.
- C. quadricornis* Baird, 1850, p. 202: pl. 24, f. 4.
- C. tenuicornis* Claus, 1857, p. 31: pl. 3, f. 1-11.
- C. pennatus* Claus, 1857, p. 35: pl. 3, f. 12-17. $\sqrt{f. 5}$
- C. tenuicornis* Claus, 1863, p. 99: pl. 1, f. 3: pl. 2, f. 17: pl. 4, ^
- C. tenuicornis* Sars, 1863, p. 242.
- C. annulicornis* Sars, 1863, p. 243.
- C. tenuicornis* Tubbock, 1863, p. 202.
- C. tenuicornis* Heller, 1870, p. 71
- C. tenuicornis* Tric, 1872, p. 219: text-f. 12.
- C. clausii* Poggenpol, 1874, p. 70: pl. 15, f. 4-14.

- C. signatus* Ujanin, 1875, p. 21: pl. 1, f. 10-11: pl. 15, f. 10.
C. tenuicornis Hoek, 1876, p. 12: 1878, p. 130.
C. tenuicornis Brady, 1878, p. 102: pl. 18, f. 1-10. [f. 14
C. tenuicornis Herrick, 1882, p. 227: pl. 6, f. 1-11, 20: pl. 5, A
C. tenuicornis Cragin, 1883, p. 3: pl. 2, f. 1-14.
C. signatus, var. *fasciacornis* Cragin, 1883, p. 2: pl. 2, f. 15.
C. tenuicornis, var. *a*, Herrick, 1884, p. 153: pl. 9, f. 1-7.
C. tenuicornis Daday, 1885, p. 211.
C. tenuicornis Vosseler, 1886, p. 189: pl. 4, f. 6-10.
C. tenuicornis, var. *distinctus* Richard, 1887, p. 162.
C. tenuicornis, var. *annulicornis* Richard, 1888, p. 61.
C. tenuicornis Thallwitz, 1890, p. 79.
C. tenuicornis Tandé, 1890, p. 36: pl. 16, f. 22-32.
C. gyrenus Forbes, 1891, p. 707: pl. 2, f. 9: pl. 3, f. 14.
C. tenuicornis Tandé, 1892, p. 156.

C. annulicornis Richard, 1891, p. 224.

C. tenuicornis Richard, 1891, p. 225.

C. gracilicornis Lande, 1892, p. 158.

C. signatus Marsh, 1893, p. 211: pl. 5, f. 7-9.

C. signatus, var. tenuicornis Herrick & Turner, 1895, p. 106:
pl. 15, f. 5-7: pl. 20, f. 1-7: pl. 33, f. 1-2.

C. albidus Forbes, 1897, p. 47: pl. 13.

C. tenuicornis Matile, 1897, p. 121: pl. 2, f. 4-5.

C. signatus Brewer, 1898, p. 129.

C. distinctus Billjeborg, 1901, p. 47: pl. 3, f. 16-20

C. distinctus Graeter, 1903, p. 481: pl. 15, f. 8.

- C. distinctus* Brady, 1906, p. 697.
C. signatus, var. *annulicornis* Byrnes, 1909, p. 10: pl. 4, f. 1-6.
C. albidus, Brian, 1925, p. 189.
— — Sars, 1909, p. 53: pl. 15, figs. 128-130.
— — Ewers, 1930, p. 23 (naupliar stages).
— — Laroche, 1906, p. 48: pl. 2, f. 1-3: pl. 3, f. 1.
— — Gurney, 1933, p. 74.
— — Pesta, 1924, p. 548.
— — Stenroos, 1898, p. 229:
— — Gajl, 1926, p. 88. Tatra Mts.
— —, J. E. Moore, 1952, p. 423. S. Saskatchewan.
— — Forbes, 1897, p. 47
— —, Pesta, 1928, p. 87-8, fig. 67 (Macrocyclops)
— —, Comita, 1951: 370
— — Willey, 1923: 310-311

Cyclops albidus

card # 4

- , Litynski, 1922, p. 13
- (Macrocyclus) -, Baldi, 1932, p. 12-13, figs. 2-4
- , Fincher & McGinty, 1952, p. 100 - Alabama
- , Wilson, 1960, p. 163 - Lake Erie
- , ANDREAE, 1955; 285, 287

= MACROCYCLUS A., (SHEN-TAI, 1964b: 448)

Ciclops —, BRIAN 1927: p. 28.

--, DODDS 1926: 24.

--, Scheffer, 1933, p. 29

-- Daday, 1905: 139, pl. 8 fig 13, 14

— Chappuis, 1922: 169

— Chappuis, 1927: 42

- Manfredi, 1925: *passim*, fig. 1, 5

- Reuter-Schiltz & Hoffmann, 1970: 220-223, fig. 12-16

-- OLIVE 1955: 433.

-- JE MOORE 1952: 422-445.

-- BAJKOV 1929: 349, 361, 386 - CANADIAN LAKES

-- CARL 1944: 31, CROTEAU, WOODS, BEAUTIFUL, +
MEADOW LAKES; MOUNT BECHER POND, B.C.

-- DICKINSON 1948(49): 23, NORTH FLORIDA

— LUCKS, 1927: 152, fig. 50

—: Coker, 1938. White Lake, NC.

CYCLOPS ALBIDUS JURINE

CARD 5

- , CLAUS 1893e: 335, C. TENUI-CORNIS CLAUS A SYNONYM
- , ZIEGELMAYER 1925: 503, 525
- C.-, KIEFER 1931: 582, 589, 609, NEW JERSEY; 612,
SYN. C. GYRINUS FORBES; 616, POSSIBLE SYN.
- C. VIRIDO-SIGNATUS; 617, N. AMERICA; ALSO AS
MACROCYCLOPS -.
- C.-, FORRO' 1986: 559

Eucyclopiinae - Cyclopoida

Macrocyclops albidus (Jurine) ♂, ♀

— — F. Kiefer, 1929, p. 28

— — Kiefer, 1931, p. 589:

— — Wilson, 1932, p. 335: fig. 199.

— — Kiefer, 1933, p. 545: figs. 30 - 33

-- -- , Ito, T. PP. 377-Figs. 8-12, Wells in Japan

Habitat Europe; N. America; Africa; Asia; Australia;
S. America

— — , Hertzog, 1935.

— — , Agnese, 1957, p. 242. Mouth of Rhine (in list).

Reed, R. in 1958 Colorado

-- Lindberg, 1936: 2 fig. 1-2

M. albidus. Herbst, 1960. p. 32

~~P~~ -- --, Herbst, 1962. ~~2~~pp. 260-262, fig. 1-3

-- --, Herbst, 1954. p. 114

-- --, Herbst, 1957. pp. 224- 225

-- -- Lindberg, 1958, p. 115.

-- -- Lindberg, 1960, pp. 1-16.

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

-- -- Lindberg, 1957, ^bp. 79.

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

-- -- Lindberg, 1962, ^ap. 266.

-- -- Lindberg, 1956, p. 3.

-- -- Lindberg, 1956, p. 101. ^a114

-- -- Lindberg, 1955, p. 461.

-- -- Lindberg, 1955, ^op. 106.

Macro^{or}clops albidus (2)

-- Lindberg, 1941b: 405-407., fig. 6.

-- -- Lindberg, 1955, p. 192.

-- -- Lindberg, 1955, p. 243.

-- -- Lindberg, 1949b p. 4.

-- -- Lindberg, 1950b p. 26.

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

-- -- Lindberg, 1952e pp. ~~53-67~~ 59.

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

-- -- Lindberg, 1953, hpp. 149-185.

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

-- -- Smith, ^{TG}1968, pp. 120-139.- Canada

-- -- Dussart 1967: 92

— Lindberg, 1949e : 45

-- -- Lindberg, 1953, pp. 3-8.

-- -- Lindberg, 1951a pp. 233-242.

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

-- -- Lindberg, 1950, ppl 301-312.

-- --, Ponyi, 1961, p. 839 - Hungary

-- --, Ponyi, 1962, p. 137

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

-- --, Loffler, 1962, p. 170

-- --, Ito, 1964, p. 121, tbl. 1

-- --, Anderson, 1971, p. ~~315~~, 316-319
315

-- PENNAK, 1963: 358; Pl. 1

-- Lindberg 1955a: 58-12

Macrocyclops albidus (Jurine)

card 3

--, Kieffer, 1957, p. 71

--, Kieffer, 1957, p. 93, figs. 1,2.

--, Kiefer, 1960, p. 438

--, Herbst, 1955, p. 278

--, Proszynska, 1962, p. 28 - Poland

--, Por, 1967, p. 1 - Israel

--, Reddell, 1965, p. ~~156~~ 157 - Texas cases

--, Roen, 1957, pp. 44-48, 5, 20, 22, 24, 27, 28

--, Sramek-Husek, 1941, p. 40

— Lindberg, 1952 f: 64-65

- , Sterba, 1961, p. 821
- , Sterba, 1965, p. 207
- , Anderson, 1974, p. 859
- , Ueno, 1938, p. 164
- , Herbst, 1953, p. 147
- , Kiefer, 1952, p. 81-83, 913,14,16, figs. 98, *R. N. 9*
- , Kiefer, 1956, p. 234, 235
- , Kiefer, 1956, p. 264
- , Kiefer, 1958, p. 48
- , Kiefer, 1958, p. 146-8
- , Dussart, Graf & Husson, 1966, p. 270
- , Dussart, 1967, p. 122
- , Elgmork, 1964, p. 31-3, ...

- , Flossner, 1967, p. 227
- , Anderson and Green, 1975, p. 576
- , Aguesse & Dussart, 1957, p. 480
- Loeffler, 1963, p. 211.
- Umminger, 1968, p. 257.
- Fryer, G., 1954, p. 2-21, fig. 1-6.
- Tash, Swanson, & Siefert, 1966, p. 431.
- , MAGADKA, 1977: 2
- , GALIANO, ET AL., 1978: 13, 16
- , GOURBAULT & LESCHER-MOUTOUÉ, 1979: TAB. 1
- , HARRIS, 1978: 27, 28, 33
- , KERFOOT, 1978: 1089

M. ALBIDUS

--, BRANDON & FERNANDO, 1975: TAB. 5

--, SHEN & TAI, 1962b: 407

--, SHEN & TAI, 1964b: 448, 461; FIG. 22; TAB. 1;

SYN: CYCLOPS A.

--, SHEN & TAI, 1964d: 617; TAB. 1, 2

--, ACADEMIA SINICA, 1979: 316, 318-320; FIG. 180; p. 318-319

FOR SYNONYMIES

--, CHISLENKO, 1977: TAB. 2

--, DAGGETT & DAVIS, 1974: 301

--, ITO 1955: 55, 58, 63; FIG. 6-11; TAB. 3

MACROCYCLOPS ALBIDUS

CARD 5

- , HALL & WATERMAN, 1968: 188; TAB. 1, 2
- , COZOU DU REST, 1963: 139, 153
- , COMITA, 1951: 370-371; TAB. 1
- , DUMONT & DECRAEMER, 1977: 258
- , REED, 1965: 51
- , LINDBERG, 1955: 461, 462, 484-485
- , Olszewski, 1977, p. 32-33
- , Boxshall, 1982, p. 144
- , Kiefer, 1963, p. 31

- de Lepiney, 1962:221
- Lindberg, 1948b:64
- Smrček, 1973:192

Macrocyclops albidus

card 6

- , Kiefer, 1973, p. 49, 55, 57, 58
- , Lescher-Moutoué, 1978-79, p. 86, 98
- , Monchenko, 1967, p. 103
- , Michajlow & Monchenko, 1967, p. 106, tbl. 1
- , Dussart, Graf & Husson, 1966 - France - p. 270.
- , Robertson & Cannon, 1981, p. 386, 388.
- , Cole, 1976, p. 12
- , Klein, 1982, p. 388
- , Smith & Fernando, 1978, passim
- , Chiovini, 1962, pp. 225, 227-229 figs. 7-11

- , Galhano, et al., 1982, p. 14.
- , Shiozawa, 1978: *passim*
- , Defoye & Dussart, 1981: 41-47.
- , Dukina, 1956: 686, fig. 5
- Fryer, 1980: 43-44
- , Herbst, 1952: 16
- , Armengol, 1978: 74-75, fig. 64.
- de Lepiney, 1962a: 215
- Pesce & Fabrizi, 1979: 61
- Rioja, 1940: 473
- Roen, 1954: 13, 15
- , PATALÁS + SALKI, 1984: 616 TAB. I, ~~625, 628~~ 628

MACROCYCLOPS ALBIDUS (JURINE)

CARD 7

- SIEGFRIED + KOPACHE 1984: 21, 34, 36
- DUSSART 1984: 26, 28, 34, 36, 41, 56, FIG. 13, 64
- PESCE + MAGGI 1983a: 272, 274-6
- CHENGALATH ET AL. 1984: 425
- LINDBERG 1950c: 64-68
- WATSON + LAWLER 1965: 1337
- I. FERRARI ET AL. 1984: 1712-1713.
- BRICKER, F.J. + GANNON 1976: 39.
- GANNON 1974: 32-49.

Macrocyclops albidus (Jurine)

card 8

-- J.E. Gannon & Stockwell 1978: 67

-- RÖBEN 1970: 115-146, GERMANY

-- SMITH & FERNANDO 1980a: 11, 18, FIGS. 5J-M, CUBA.

-- SMITH & FERNANDO 1980b: 13, FIGS. 34-37, CUBA

-- ZUÑIGA & DOMÍNGUEZ 1977: 112, Chilean lake

-- WHITTAKER & FAIRBANKS 1958: 49-65, WASHINGTON STATE.

-- MÄEMETS & VELDRE 1956a: 19, ESTONIA

-- VELDRE & MÄEMETS 1956, 14-15, P. II FIGS. 1-7, ESTONIA

-- BREHM 1955c: 260

—Pesce, 1985: 129

—Sarvala, 1986: 126

—Sterba, 1968: 222

Macrocyclus albidus (Jurine)

card 9

-- Sage et al 1976: 85, Tab. 1 - Potomac River

-- COLE 1955: 220-230, MINNESOTA LAKES.

-- COLE 1957: 88-101, KENTUCKY LAKE.

-- FRANTZ & CORDONE 1966: 7, LAKE TAHOE

-- DUSSART 1981c: 162

-- DEFAYE & DUSSART 1979: 77-78, FRANCE; FIG. 1

-- Dussart, 1982: 40-42, pl. 8 A

-- Tinson & Laybourn-Parry, 1985: 257-263

-- Darmian-Georgescu, 1963: 65-69, fig. 33, -35

-- Haseda 1931: 149

- Alonso & Comelles, 1984: 1700
- Borutzky, 1960: 75, FIG. 28(C); 159, FIG. 74(C); 200
- Pearse & Wilson, 1938: 153 -
- Bello F, 1985: 5, fig. 5
- JOOKSRI 1967: 57
- HOEBEL 1978: 2, 44, 113 - BRITISH COLUMBIA
- MALT 1983a: 465
- A.A., REID 1985b: 32-33, FIGS. 66-69
- Kiefer, 1978: 213
- Monchenko, 1973: 49
- Pesce, 1985: 301-302

Macrocyclops albidus (Jurine)

card 10

-- Reid 1987d: 694, Maryland

-- ROUCH 1968a: 108

-- ROUCH ET AL. 1968a: 722, KARST - FRANCE

-- REDDELL 1981: 81

-- ROSSARO 1985: 2103, PO RIVER, ITALY

-- FLÖSSNER 1985: 515, GERMANY

C. (M.) -, REED 1986: 131

-- WILLIAMSON 1986: 12

-- RIVIERE & THIREL 1981: 497

Macrocyclus albidus (Jurine)

card 11

- Rossaro, 1988: 99, Po River, Italy
- REED 1959: 26-, RECORDS, CANADA
- HARRIS, M.J. 1973: 13-, PL. II FIGS. 63-66, MISS.
- ANTONIETTI ET AL. 1988: 547-, LAGO SCURO
PARMENSE, ITALY
- S. STR., REID 1988b: 191-192, MEXICO, GUATEMALA
- SHIOZAWA 1986: 1657-, MINNESOTA
- MONTU' 1980b: 57-, LAGOA DOS PATOS, BRAZIL
- MONTU' + GLOEDEN 1986: 115-, FIG. 35d-e, "

Macrocyclus albidus (Jurine)

card 12

- Davis 1976b: 820
- BALGER ET AL. 1984: 115-116, FIG. 84, GREAT LAKES
- DAGGETT + DAVIS 1974b: 677-, NEWFOUNDLAND
- DAGGETT + DAVIS 1975: 52-, "
- BLADES - ECKELBARGER 1986: 29
- GREEN 1986: 140-, ARIZONA
- OSORIO TAFALL 1943: 50-, CAVES, MEXICO
- OSORIO TAFALL 1944: 207-, L. PATZCUARO, MEXICO
- RYKOV 1932: 256, E. SIBERIA

MACROCYCLOPS ALBIDUS (JURINE)

CARD 13

- - KIEFER 1981: 276, NORTH ITALY
- - Boxshall & Iliffe, 1987: 245
- - Laybourn et al 1988: 2709-2713 fig 1-4
tab 1,3 Esthwaite Water, U.K.
- - Mahoon & Zia, 1985: 251, 266-268 figs 45-49
Punjab, Pakistan
- - Green, 1979: 125 Sierra Leone
- - LAWLER + WATSON 1958: 211, MANITOBA
- - FINSLE 1975: 82-

Macrocyclops albidus (Jurine)

card 14

- Van de Velde & Dumont 1982: 124, Senegal
- REID 1989c: 616
- MARTEN ET AL. 1989: 626, COLOMBIA
- TONOLLI 1949c: 48-, ITALY
- TONOLLI & TONOLLI 1951: 53-136, ITALIAN ALPS
- BRANCELJ 1987: 3, 4, CAVE, YUGOSLAVIA
- C. -, ZIESENHENNE 1938: 9-, WILLAMETTE NATIONAL FOREST
- C. -, WECKEL 1914: 198
- C. -, TIMM 1903: 293, 296, ELBE RIVER

Macrocyclops albidus (Jurine)

card 15

- C. Van Douwe 1909b: 24, figs. 64-68, Germany
- PAPINSKA 1984: 502, MIKOLAJSKIE LAKE, POLAND
- RAVERA 1951b: 261-, ITALY
- RAWSON + MOORE 1944: 175, LAKES, SASKATCHEWAN
- LÖFFLER 1961c: 391-, IRAN
- SMITH + FERNANDO 1978b: 44-, FIGS. 161-164, ONTARIO
- ISHIDA, T. 1990: 39-, SW JAPAN
- SOLLBERGER + MEADOR 1990: 201-, TEXAS STREAM
- REID 1990b: 175, DC

Macrocyclus albidus (Jurine)

card 16

Macrycyclops -, Suarez, E. et al. 1986:315, Laguna de
Catemaco, Veracruz, Mexico

-- REED 1990a: 1-, ROCKY MOUNTAIN NATIONAL PARK

-- KIEFER 1938j: 70

-- ANDREADIS 1989b: 618

-- BRANDL 1973: 85-, CULTURE

-- BUNTING 1973: 140, TENNESSEE

-- BRANCELJ 1990: 20, YUGOSLAVIA

-- COLLADO ET AL. 1984: 115-, BAHAMAS, CUBA, HAITI

C.-, Ward, 1940: 646, passim. table 1

Macrocyclops albidus (Jurine)

card 17

-- Fiers & Van de Velde 1984:183-, Figs. 2b, 3a,
Belgium, Rwanda; antenna

-- COX & HENDRICKSON 1991: 39

-- STRAYER 1988(89) b: 201-, SE NEW YORK

-- FPP & LEWIS 1979: 128 -

-- TORKE 1976: 7 -, FIG. 2a, WISCONSIN

C. (M.) -, HARDING & SMITH 1974: 11a, 16a, c, BRITAIN

C. -, G.W. SMITH 1909: 88

M. -, REID 1990g: 180

-- KRIEGER & KLARER 1991: 260-, LAKE ERIE MARSH

Macrocyclus albidus (Jurine)

card 18

-- Shiōzawā 1991:292-, Minnesota

-- WILLIAMSON 1991:810

-- STELLA ET AL. 1973:8-, ITALY

-- MARTEN 1989:232-, NEW ORLEANS, LOUISIANA

CYCLOPS -, MCKEE ^{+ COKER} ~~ET AL.~~ 1940:178-, NORTH CAROLINA

C. (M.) -, COKER 1938:84, NORTH CAROLINA

CYCLOPS -, SARS 1908b:14-15, PL. III FIGS. 1-4, S. AUSTRALIA

C. -, THIE'BAUD 1912(19):161, 163, 164, COLOMBIA

-- COLE & WHITESIDE 1965:162, ARIZONA

Macrocyclops albidus (Jurine)

card 19

-- Leonard & Ponder 1949:168, E. Kansas

-- MAIER 1991:52

-- BALSEIRO & MODENUTTI 1990:479, ARGENTINA

-- PALMER 1992:334, GOOSE CREEK, VIRGINIA

-- REID 1992a: 239, 231-232, 239-241, ^{252,} FIG. 5, FLORIDA.

-- MAHOON & ZIA 1986:267, PAKISTAN

-- MONCHENKO 1980:16

-- MAZEPOVA 1978:10, 17, TAB. 1, LAKE BAIKAL

-- ALEKSEEV 1992a:18-

Macrocyclus albidus (Jurine)

card 20

-- Mazepova 1962: 176-177

-- ALEKSEEV 1990b: 54-, DIAPAUSE

-- PANDOURSKI 1992: 92, CAVE, BULGARIA

-- KIEFFER 1955d: 110, TURKEY

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

-- ISHIDA 1993a: 166, LAKE BIWA, JAPAN

-- COLLADO ET AL. 1984: 91, - COSTA RICA

-- KIEFFER 1968b: 158-, CAVES, NORTH ITALY

-- SHEN & SUNG 1965c: 17-, NW CHINA

Macrocyclops albidus (Jurine)

card 21

-- Shen & Sung 1965d: 304-, Tibet

-- PESCE 1984b: 293-, ITALY

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

-- DEPAYE 1988: 104-, TAB. 1, ETHIOPIA; FIGS. 36-39

-- PESCE & GALASSI 1987d: 198-, ITALY

-- LANSAC TÔHA & LIMA 1993: 91-, TAB. 1, S. PAULO, BRAZIL

-- STRAYER 1985: 357-, MIRROR LAKE, NH, USA

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

-- MARTEN, BORDES & NGUYEN 1993: 129-131, LOUISIANA, USA

Macrocyclus albidus (Jurine)

card 22

- Marten, Che & Bordes 1993: 150-154, Louisiana, USA
- SUÁREZ, M.F. ET AL. 1992: 409; PUERTO RICO
- REID & MARTEN 1995: 41, TAB. 1, LA/MI, USA
- PANDOURSKI 1994: 5; BULGARIA
- FERRARI 1993b: 766, TAB. 1, 2
- ISHIDA 1994d: 8, 11, JAPAN
- ANDERSON 1974: 859, TAB. 1, W. CANADIAN ROCKIES
- COLE & WATKINS 1977: 180, ARIZONA
- BAYLY & MORTON 1978: 2537, 2538, TAB. 1, AUSTRALIA

MACROCYCLOPS ALBIDUS (JURINE)

CARD 23

- PLESA 1981: 24-25, FIGS. 17-19, CUBA

- WYNGAARD + CHINNAPPA 1982: 500

- LEECH + WYNGAARD 1996: 496-499, LOUISIANA

- UEDA, Ishida, + IMAI 1996: 45, 46-49, FIGS. 1-14, JAPAN

CYCLOPS -, STEUER 1897: 525, AUSTRO-HUNGARY; SYN.

C. TENNICORNIS

CYCLOPS -, G.W. SMITH 1909: 88.

M. -, PETKOVSKI 1984: 136, SLOVENIA

M. -, PROPHET ET AL. 1959: 189, KANSAS, USA

MACROCYCLOPS ALBIDUS (JURINE)

CARD 24

- - BINFORD 1978: 2527-2528, TABS. 4, 5, LOUISIANA, USA
- - DAHMS + FERNANDO 1994: 20-21
- - EINSLE 1971: 26-27, FIG. 4, CONGO/ZAIRE
- - FIERS ET AL. 1996: 66, 67, 76, YUCATÁN, MEXICO
- - REID 1996: 5, DC, USA
- - REID + REED 1994: 80, YUKON, CANADA
- - PETROVSKI + BRANCELJ 1985: 5, SLOVENIA
- - ISHIDA 1984: 53, HOKKAIDO, JAPAN
- - ISHIDA 1989: 1, HONSHU, JAPAN

MACROCYCLOPS ALBIDUS (JURINE)

CARD 25

--UEDA, OHTSUKA + KURAMOTO 1996: 305, JAPAN

--KIEFFER 1927: 72-73, FIG. 3

--KIEFFER 1927: 200, GERMANY

--KIEFFER 1933: 61, TAB. 1

CYCLOPS -, BREEMEN, VAN 1907: 18-19, PL. I FIGS. 2, 4,

NETHERLANDS

--DEFAYE, SUCHT + DUSSART 1985: 119-128, FIGS. 1-19(2), 20,

FRANCE

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

MACROCYCLOPS ALBIDUS (JURINE)

26

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

Macrocyclops albidus oligolasius Kiefer

— — Kiefer, 1934, p. 153: figs. 100-101.

— — Kiefer, 1928, p. 14; figs. 25-26, 1929, 1939

— — — Harding 1942, p. 183, Lake Young Rhodesia

— — —, Røen, 1956, p. 920-921, fig. 20-23. French Cameroons.

— — — Haranda, 1931: 149

Habitat. Sumatra, East Africa, Nigeria, Formosa.

— Hutchinson, et al 1932: 42

— *oligolasius*, Onabamiro, 1952.

= *M. OLIGOLASIUS* SHEN + TAM, 1964b: 448

---, Kiefer, 1957, p. 93, figs. 1,2.

---, Ueno, 1938, p. 164

- , Kiefer, 1952, p. 81-2, 119
- , DUSSART 1974: 96-97; Fig. 2b.
- DUSSART 1981b: 140, NIGER BASIN
- Dussart, 1982: 42, pl 8 B
- Kiefer, 1928: 14- 1 fig. 25-26
- REID 1990g: 180
- REID 1992a: 241
- BOXSHALL & BRAIDE 1991: 186, FIG. 7, S.W. NIGERIA
- DEFAYE 1988: 104; TAB. 1, ETHIOPIA; FIGS. 40.
- PLESA 1981: 25, CUBA

Macrocyclops albidus principalis Herbst

-- -- -- Herbst, 1962. pp. 260-262, fig. 1-3, AMAZON

~~---, 1966, Claus, G., Hussen & Nicholas, p. 270;~~

--, Herbst, 1967, p. 96

--, Lindberg, 1956, p. 101

-- DUSSART 1984: 26, 56, FIG. 13, 64, VENEZUELA

-- F.--, REID 1985b: 33, FIG. 70

--- PETROUSK 1988: 39, 40, COLOMBIA

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

Macrocyclops annulicornis (Koch)

--, Wilson, 1960, p. 163

MACROCYCLOPS ATER - SEE HOMOCYCLOPS ATER

Macrocyclus baicalensis Mazepova, 1962

-- Mazepova 1962: 174-177, Fig. 1, n. sp. female +
male, Lake Baikal

-- Mazepova 1978: 10, 15, FIG. 1, TAB. 1, LAKE BAIKAL;

REDESCRIBED ♀ ♂

Eucyclopinae - Cyclopoidea

Macrocyclops bistriatus (Koch) ♀

— — Koch, 1838, pt. 21, pl. 7.

— — Wilson, 1932, p. 336: fig. 200.

Habitat. Germany, Sweden, France, Norway,
North America

MAKROCYCLOPS CORONATUS CLAUS

-- CLAUS 1893e: 293, 305; PLATE I FIGS. 5, PL. IV, FIGG.
2, PL. VII FIGS. 1-3, 12

Cyclopidae - Cyclopoidea,

Makrocylops coronatus Claus,

— — Claus, 1893, p. 347,

Cyclops quadricornis, var. fuscus Jurine, 1820.

= MACROCYCLOPS
Cyclopidae - Cyclopoida,
Cyclops distinctus Richard, ♀. ①

C. — Richard, 1887, pp. 5 and 7.

C. — Zilljeborg, 1901, p. 47: pl. 3, f. 16-20.

C. — Brady, 1906, p. 697.

C. — Schmeil, 1898, p. 156.

= MACROCYCLOPS d. (SHEN-TAI, 1964b: 448)

Habitat. New Zealand.

C. -, BREEUEN, VAN, 1907: 19, PL. I FIG. 6, NETHERLANDS

C. gracilicornis, Lande, 1890, p. 41: pl. 15. f. 13-20
C. — Gurney, 1933, p. 79. (distinctus) | pl. 16. f. 21.

C. —, Pesta, 1928, p. 88-9, fig. 68 (Macrocyclops)

Eucyclopinæ — Cyclopoidea (2)

Macrocyclops distinctus (J. Richard), ♀, ♂

— — F. Kiefer, 1929, p. 28:

— — Kiefer, 1928, p. 388:

— — Kiefer, 1933, p. 547: figs. 34-37.

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

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

Habitat England, Norway, Sweden,

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

— — Lindberg, 1941b: 407-409, fig. 7

M. DISTINCTUS

--, Herbst, 1955, p. 278

--, Sramek-Husek, 1941, p. 40

--, Herbst, 1953, p. 147

--, Kieffer, 1958, p. 48

--, SHEN + TAI, 1962b: 404, 407

--, SHEN + TAI, 1964b: 448, 461; FIG. 21; TAB. 1; SYN:

CYCLOPS D.

--, SHEN + TAI, 1964d: 616, 617; TAB. 1, 2

1

--, ACADEMIA SINICA, 1979: 316, 317-318; FIG. 179; SEE p. 317
FOR SYNONYMS

- Lindberg, 1948b: 64

- Lindberg, 1951a: 234-242.

Macrocyclus distinctus

card 3

- , Olszewski, 1977, p. 32-33
- , Chia-jui & Ai-yung, 1962, pp. 225, 229, figs. 12-15
- Fernando, 1980, Pl. 1
- RÖBEN 1970: 115-146, GERMANY
- MÄEMETS & VELDRE 1956a: 19, ESTONIA
- VELDRE & MAEMETS 1956: 14-15, Pl. II Figs. 8-9, ESTONIA
- Damian-Georgescu, 1963: 69-71, fig. 36
- BORUTZKY, 1960: 77, FIG. 29(3)
- MONCHENKO 1972: 78-81, KISILKUM

- KIEFER, 1978: 213
- FLÖSSNER 1985: 515, GERMANY
- TORKE 1976: 9
- C. (M.) -, HARDING + SMITH 1974: 39, BRITAIN
- WILLIAMSON 1991: 810
- MAZEPOVA 1978: 17, TAB. 1, C.F. CONGENERS
- MAZEPOVA 1962: 176,
- M.C.F. -, BOONSOM 1984: 227, THAILAND, NEW RECORD
- ISHIDA 1994d: 8
- BAYLY + MORTON 1978: 2538, TAB. 1, AUSTRALIA

MACROCYCLOPS DISTINCTUS (RICHARD)

CARD 4

-- KIEFFER 1927: 200, GERMANY

-- GALASSI 1991: 276, ITALY

= MACROCYCLOPS

Cyclopidae—Cyclopoida.

Cyclops fuscus (Jurine), ♂, ♀. ①

pl. 3, fig. 2

Monoculus quadricornis fuscus Jurine, 1820, p. 47;
Cyclops signatus, Koch, 1838, pl. 8, (see signatus).

A synonym of Cyclops signatus.
(Herrick, 1895, p. 105).

C-fuscus (Jurine).

Matscheck, 1910, p. 38: text-figs. 2, 3, 6, 7, 10, 11.

(A synonym of C. signatus).

— Chappuis, 1927: 41

(over)

- C. fuscus* Marsh, 1918, p. 778: text-fig. 1224.
— — Fowler, 1912, p. 484.
— — Honigmann, 1910, p. 23.
— — Pearse, 1905, p. 150: pl. 14, f. 12.
— *coronatus* Tubbock, 1863, p.
— *fuscus* Scourfield, 1893, p. : 1898, p. 325.
— — Scourfield, 1903, p. 535.
— — Šostarić, 1888, p. 58.
— — Schmeil, 1891, p. 22: 1898, p. 155.
— — Richard, 1891, p. 223: pl. 2, f. 16.
— — Schmeil, 1892, p. 123: pl. 1, f. 1-7: pl. 4, f. 16.
— — Douwe, 1907, p. 358: text-figs. 1-2. JAW

= MACROCYCLOPS

c. fuscus (2)

- fuscus Lilljeborg, 1901, p. 44: pl. 3, f. 12-15
- — (= Pachyclops signatus) Sars, 1914, p. 65.
- — Sars, 1903, p. 218.
- — Ewers, 1930, p. 23 (naupliar stages).
- — Laroche, 1906, p. 47.
- — Gurney, 1933, p. 67.
- — Pesta, 1924, p. 549.
- — Stenroos, 1898, p. 230.
- — Gajl, 1926, p. 87, Tatra Mountains.
- , ANDREAE, 1955: 287
- ACADEMIA SINICA 1979: 26

Cyclops fusus, Chiba, 1956, p. 16

- (Macrocyclops)-, Pesta, 1928, p. 86-7, fig. 66

--, Pesta, 1928, p. 111

--, Litynski, 1922, p. 13

--, Baldi, 1932, p. 12-13

--, Wilson^{c.b.}, 1960, p. 163

--, BRIAN 1927: p. 27.

--, Dabry, 1905: 143

- Reuter-Schiltz & Hoffmann, 1970: 216-220, fig. 6-11

- Kiefer, 1925: 339-343

= MACROCYCLOPS

CYCLOPS FUSCUS (TURINE)

CARD 3

--, ZIEGELMAYER 1925: 503, 510, 525, 538, 540

— LUCKS, 1927: 152, fig. 49

MACROCYCLOPS -, DAGGETT + DAVIS 1975: 52-

NEW FOUNDLAND

C. -, TIMM 1903: 296

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

M. CF. -, REID 1993(1994) b: 75-, " "

C. FUSCUS, STEUER 1897: 523-524, AUSTRIA-HUNGARY;

SYNS. C. CORONATUS, C. SIGNATUS

Macrocyclops fuscus (Jurine), ♀, ♂ (4)

— — F. Kiefer, 1929, p. 27 : fig. 11.

— — Wilson, 1932, p. 333 : fig. 198.

— — —, Ito, T. 1954, pp. 376-377, Fig. 1-7, Wells Japan

— — —, Hertzog, 1935. - Camargue (France)

— — —, Aguesse, 1957, p. 242. Mouth of Rhône (in lit).

Habitat Europe, North America, N. Africa

— — — Lindberg, 1960, pp. 1-16. - Afghanistan

— — — Bouligand, 1964, p. 264

— — — Herbst, 1968:67

- -- Lindberg, 1959, p. 11.
- -- Lindberg, 1957, b p. 79.
- -- Lindberg, 1962, ^op. 266.
- -- Lindberg, 1956, p. 114.
- -- Lindberg, 1955, p. 461.
- -- Lindberg, 1955, j p. 106.
- -- Lindberg, 1955, ^cp. ~~4~~ 192.
- -- Lindberg, 1955, ^ep. 243.
- -- Lindberg, 1950 p. 30, chart.
- -- Lindberg, 1953 b pp. 76-~~82~~.
- -- Lindberg, 1950, pp. 7-10, chart.
- -- Lindberg, 1954, pp. 193-222.
- Lindberg, 1955 a: 59-62
- -- Lindberg, 1950, pp. 301-312.

Macrocyclops fuscus (Jurine)

card 25

--, Kiefer, 1960, p. 438

--, Proszynska, 1962, p. 28

--, Roen, 1957, p. 5, 10, 20, 22, 24, 27, 28, 31,
48-53

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

--, Herbst, 1953, p. 147

--, Kiefer, 1958, p. 48

--, Kiefer, 1958, p. 146-8

--, Dussart, 1967, p. 122

--, Flossner, 1967, p. 227

--, Fryer, 1954, p. 9, 11.

- , HARRIS, 1978: 28, 32-33
- , BRANDL & FERNANDO, 1975: TAB. 5
- , ACADEMIA SINICA, 1979: 316-317; FIG. 178; SEEP. 316
FOR SYNONYMIES
- , PENNAK, 1963: 358; PL. 1
- , LINDBERG, 1955: 461, 462, 484-485
- , Lindberg, 1941b: 403-405, fig. 5
- Lindberg, 1948b: 63-64

Macrocyclus fuscus (Jurine) 1820

card 86

- , Michajlow & Monchenko, 1967, p. 106, tbl. 1
- , Robertson & Gannon, 1981, p. 386, 388.
- , Mashiko, 1951b, p. 151-152, figs. 7a-c
- , Dukina, 1956: 686, fig 4
- DUSSART 1984: 64
- LINDBERG 1950i: 64-69
- WATSON & LAWLER 1965: 1337
- REY & DUPIN 1973a: 124-133, PYRENEES
- REY & DUPIN 1973b: 263-264, PYRENEES

Macrocylops fuscus (Jurine)

card 47

-- RÖBEN 1970: 115-146, Germany

-- MÄEMETS & VELDRE 1956a: 19 - ESTONIA

-- VELDRE & MÄEMETS 1956: 14-15, Pl. II FIGS. 10-15 -

ESTONIA

-- BREHM 1955c: 260

-- SAGE ET AL 1976: 85, 86, TABS. 1-2, POTOMAC RIVER

-- Ito, 1953b: 21, fig. 1-4

-- Damian-Georgescu, 1963: 61-64, fig. 31, 32

-- BORUTZKY, 1960: 76, FIG. 29 (2); 199-200

Macrocyclops fuscus (Jurine)

card 58

- fuscus, Sooksri 1967:57

--, HOEBEL 1978:2, 44, 113 - BRITISH COLUMBIA

-- MONCHENKO 1972: 78-81, KISILKUM

-- REID 1985b: 32, FIGS. 62-65

— Kiefer, 1978: 213

— Monchenko, 1973: 43-49

— Sterba, 1968: 222

-- ROUGH 1988a: 108

-- STELLA + MARGARITORA 1975-6: 4-, SARDINIA

Macrocyclus fuscus (Jurine)

card 69

-- FLÜSSNER 1985: 515, Germany

C. (M.) -, REED 1986: 131

CYCLOPS -, IZAWA 1987: 154-

-- WILLIAMSON 1986: 12

-- RIVIÈRE & THIREL 1981: 437

-- HARRIS, M.J. 1973: 13-, Pl. 10 FIGS. 61-62, MISS.

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

-- KIEFER 1931: 611, SYNS. CYCLOPS FASCIACORNIS,

C. SIGNATUS VAR. FASCIACORNIS CRAGIN; 612

Macrocyclus fuscus (Jurine)

card 710

-- Forró 1986: 559

-- SARS 1903: 240-, RECORDS - CENTRAL ASIA

-- TONOLLI 1949c: 48-, ITALY

-- TONOLLI & TONOLLI 1951: 53-136, ITALIAN ALPS

C: WECKER 1914: 198

C: VAN DOUWÉ 1909b: 23-24, FIGS. 59-63, GERMANY

-- LÖFFLER 1959c: 340

-- SMITH & FERNANDO 1978b: 44-, FIGS 146-169, ONTARIO

-- ISHIDA, T. 1930: 39-, JAPAN

Macrocyclus fuscus (Jurine)

card 8/11

- Bunting 1973:140, Tennessee
- BRANCELT 1990: 21, YUGOSLAVIA
- FIERS + VAN DE VELDE 1984: 183; FIG. 2a, BELGIUM
- TAYLOR + MAHONEY 1990: 612, RAINBOW BAY, S. C.
- CYCLOPS -, ELBOURN 1966: 229 -
- TORKE 1976: 6 -, WISCONSIN
- C. (M.) -, HARDING + SMITH 1974: 26 -, FIG. 11d, 13d, BRITAIN
- M. -, REID 1990g: 180
- C. -, Ward, 1940: 648, passim, table 1

Macrocyclus fuscus (Jurine)

card 8/2

-- Williamson 1991:787--

Cyclops (M.)-, COKER 1938:84, NORTH CAROLINA

M.-, MAZEPOVA 1978:17, TAB.1, C.F. CONGENERS

M.-, ALEKSEEV 1992a:18-

M.-, MAZEPOVA 1962:177

M.-, FERRARI, I. ET AL. 1991:2823-, ITALY

M.-, ALEKSEEV 1990b:130, DIAPAUSE

M.-, PANDOURSKI 1992:92, CAVE, BULGARIA

C.-, LÜLING 1953:6-, FIG. 1B

Macrocyclus fuscus (Jurine)

card 10 13

- Ishida 1993a: 166, Hokkaido
- SHEN & SUNG 1965b: 15, 18-19, FIGS. 14-17, CHINA
- SHEN & SUNG 1965c: 386-, NW CHINA
- ISHIDA 1994b: 125-, TOKYO, JAPAN
- REID & MARTEN 1995: 41-, TAB. 1, LA/MI, USA
- ISHIDA 1994d: 8, 11, JAPAN (HONSHU, KYUSHU, HOKKAIDO)
- WYNGAARD, TAYLOR & MAHONEY 1991: 222-230, S. CAROLINA
- WYNGAARD & CHINNAPPA 1982: 490-
- FERRARI, I. ET AL. 1991: 2823, ITALY

MACROCYCLOPS FUSCUS (JURINE)

CARD 14

- DAHMS + FERNANDO 1994: 9-21, FIGS. 1-8, ONTARIO, CANADA; REDESCRIPTION; NAUPLII.
- DAHMS + FERNANDO 1997: 136
- ISHIDA 1984: 53, 54, HOKKAIDO, JAPAN
- ISHIDA 1989: 1, HONSHU, JAPAN
- ISHIDA 1995: 299, TAB. 1, HOKKAIDO, JAPAN
- ISHIDA + KOBAYASHI 1992: 207, TAB. 1, SAKHALIN PEN.
- SCHACHTER 1958: TAB. 3, FRANCE
- KIEFER 1927: 200, GERMANY

MACROCYCLOPS FUSCUS (JURINE)

CARD 15

M. - KIEFFER 1933: 61, TAB. I

CYCLOPS -, BREEMEN, VAN, 1907: 19-20, PL. I FIGS. 1, 3, 5,
NETHERLANDS

M. -, DEPAYE, SUCH & DUSSART 1985: 119, 126, FIG. 19(3),
FRANCE

Macrocyclus monticola Ishida, 1994

-- Ishida 1994d: 6-, FIG. 1, n.s.p. ♀♂, HONSHU + KYUSHU,
JAPAN; SYN. MACROCYCLUS SP. ISHIDA 1989, 1990

-- Ishida 1994b: 125-, Tokyo, Japan

MACROCYCLUS SP., ISHIDA, T. 1990: 39, SOUTHWEST
JAPAN

MACROCYCLUS SP., ISHIDA 1989: 1, 7, PL. 1, HONSHU, JAPAN

Cyclopidae - Cyclopoidea

Macrocyclops neuter

~~{Kiefer}~~ ♀, 1931

— — Kiefer, 1932, p. 240 : figs. 14 — 19.

— — Kiefer, 1931, p. 219 : figs. 1

-- -- Lindberg, 1946a: 85 — 86

-- -- Lindberg, 1946, pp. 84-95.

-Dussart & Fernando, 1985: 239, fig. 55-58

Habitat Sunda Island, Java,

- SHIDA 1994d: 8

Macrocyclops oithonoides

--, Roen, 1957, p. 31, this is probably a mistake
& should have been Mesocyclops

MACROCYCLOPS OLIGOLASIUS KIEFFER

- , SHEN + TAI, 1964b: 448, 461; FIG. 23; TAB. 1;
SYN. M. ALBIDUS O.; M. ALBIDUS SARS 1909
- , SHEN + TAI, 1964d: 616, 617; TAB. 1, 2
- , ACADEMIA SINICA, 1979: 316, 320-321; FIG. 181
- KIEFFER 1938j: 70

Macrocyclops signatus (Kloch)

--, Wilson, 1960, p. 163

MAKROCYCLOPS TENUICORNIS CLAUS

--, CLAUS 1893e: 305, PLATE II, FIG. 1

Cyclopidae - Cyclopoida.

Makrocyclops Tenuicornis Claus.

— — Claus, 1893^ep. 347

Cyclops quadricornis, var. albidus Turine, 1820,

MACROCYCLOPS sp.

- ISHIDA, T. 1990: 39-, SW JAPAN = M. MONTICOLA
- ISHIDA ET AL. 1991: 63-, LAKE KUSSHARO, JAPAN