

in)

Calanoida - Pseudocalanidae

Microcalanus valid

Sars, 1901 -

M. pusillus ^(M).

Syn. Microcalanus G.O. Sars, 1901, p. 20.
Microcalanus G.O. Sars, 1903, p. 155.

Μικρός, small and Calanus.

Head fused with 1^o seg't.: wroosome in ♀
short, gen. seg't. dilated. 1^o antennae
24-jointed in ♀ - 5^o legs wanting in ♀
small and asymmetrical in ♂, left leg
6-jointed, right one 3-jointed.

MICROCALANUS Sars, 1901

(2)

- , TANAKA, 1956b: 381, 382, 385
- , Gardner & Szabo, 1982, p. 25, 175.
- , BAYLY 1982: 168
- MAUCHLINE 1988: 726
- BJÖRNBERG, T. 1986 (in KABATA-ED.): 199
- BJÖRNBERG, T. 1986b: 232-

MICROCALANUS CULTRIPER - SEE

MIMOCALANUS

Microcalanus pusillus G.O. Sars, ♀.

- — Sars, 1903, p. 156: suppl., pl. 2: pl. 3, fig. 1.
— — Wolfenden, 1908, p. 41: pl. 2, fig. 5: 1911, p. 286.
— — Wilson 1942, p. 194

= M. PYGMAEUS

A synonym (?) of Microcalanus pygmaeus
(With, 1915, p. 66)

— —, Brodsky, 1950, p. 116, fig. 38, USSR

-- -- Park, 1968, pp. 527-572.

-- Evans, 1972, p. 50.

--, Digby, 1954: 317

- , Stormer, 1929, p. 36
- , Pesta, 1928, p. 19, fig. 13
- , Fulton, 1968, p. 35, ?fig. 34
- , TANAKA, 1956 b: 385, 386, 387
- , WOLFENDEN, 1911 = M. PYGMAEUS (TANAKA, 1956 b: 385)
- , CORRAL + ALVAREZ-OSSORIO, 1978: 138
- , QING-CHAO + SHU-ZHEN 1974: 112-113; Pl. 8:
100-103.
- , FIGUEIRA 1971: 150.

Microcalanus pusillus (Sars, 1903) card 2

— pygmaeus pusillus, Gardner & Szabo, 1982,
p. 25, 176-177.

--, PETERSON & MILLER, 1977: 718

--, MOTODA & MINODA, 1974: 232

-- HERDMAN ET AL. 1910: 228-297, ISLE OF MAN

-- HERDMAN & SCOTT 1911: 221-222, ISLE OF MAN

-- HERDMAN & SCOTT 1912: 143-145, ISLE OF MAN

-- HERDMAN ET AL. 1913: 213-214, ISLE OF MAN.

MICROCALANUS PUSILLUS (SARS, 1903)

CARD 3

- HERDMAN ET AL. 1914: 289-290, ISLE OF MAN.
- HERDMAN ET AL. 1915: 233, ISLE OF MAN.
- HERDMAN ET AL. 1919: 31, ISLE OF MAN.
- DAVIS 1982: 728-, NEWFOUNDLAND
- DAVIS 1986: 31-, "
- SHIH ET AL. 1988: 321-, BRAS D'OR LAKES, NOVA SCOTIA
- SHIH ET AL. 1971: 44, CANADA-ATLANTIC; 150,
PACIFIC
- RAZOULS 1994: 42; 10

MICROGALANUS PUSILLUS (SARS, 1903)

CARD 4

-- LEGARE¹ + MACLELLAN 1960: 439, MAINE/NEW

BRUNSWICK, CANADA/USA

-- BARTHEL ET AL. 1995: 25-30, TAB.1, NORWAY

Pseudocalanidae - Calanoida

Microcalanus pygmaeus G.O.Sars, ♂.♀.

Pseudocalanus — ♀ G.O.Sars, 1900, p.73: pl.21.

Spinocalanus longicornis ♂ G.O.Sars, 1900, p.77:

Pseudocalanus pygmaeus T.&A.Scott, ¹⁹⁰¹ p.339 | pl.22, figs.13-14.

— — Mrázek, 1902, p.508: pl.5, figs.3-11.

-- -- Park, 1968, pp 527-572.

Habitat, Norwegian Seas: Antarctic.

- — Giesbrecht, 1902, p. 20: pl. 2.
Microcalanus — G. O. Sars, 1903, p. 157, fig. 1
— pusillus, n. sp., Sars, 1903, p. 156: suppl. pl. 2: pl. 3.
— pygmaeus v. Bremen, 1908, p. 26: f. 24, text.
Pseudocalanus — Damas & Koefoed, 1907, p. 396, 40;
Microcalanus pusillus v. Bremen, 1908, p. 27: f. 25 text.
— — Wolfenden, 1908, p. 41: pl. 2, fig. 5.
— — H. J. Brock, 1908, p.
— — Kræeften, 1910, p. 98: Farran, 1911, p. 98.
— — Wolfenden, 1911, p. 286.
— — Wilson 1942 p. 194, fig. 55

Microcalanus sp. Farran, 1908, p. 28.

— pygmaeus Stephensen, 1913, p. 311.

— — With, 1915, p. 66 + 68,

Spinocalanus ^{long.} G. O. Sars, 1901, p. 22: pl. 12.

Microcalanus p. — Farran, 1929, p. 226.

— —, Fontaine, 1955, p. 878. Ungava Bay.

— —, BRODSKY, 1950, P. 115, FIG. 37, USSR

— —, JESPERSEN, 1934, P. 50. — W. GREENLAND AREA. 1940,

p. 15-16, Iceland. 1932, p. 19.

M. pygmaeus, Johnson, 1963. pp. 92, 93, 97

-- -- Grainger, 1965, pp. 543-564.

--, Heinrich, "The life histories...", p. 17

--, Fulton, 1968, ~~px~~ fig.34?

--, Kos, 1958, p. 191

--, TOPITSKY, 1976: 120; TAB. 1, 2

--, DAMKAER, 1975: 11

--, JOHNSON, 1956a: 10, 18, 19

Microcalanus pygmaeus (Sars, 1900)

3

- --; Vervoort, 1957, p. 36-37, fig. 9.
-- --, Cairn, 1967, p. 559, 562
-- --, Chiba, 1956, p. 21
-- --, Bradford, 1971, p. 16, fig. 10, 11
-- --, Stormer, 1929, p. 36
-- --, Seno, Komaki & Takeda; 1963, tab. 2
-- --, Vinogradov, 1960, p. 500
-- --, PAUSHTIKS, 1977: 56, 57, 58, 67-69, 70, 71
-- --, DIGBY, 1954: 300, 317-319; FIG. 10, 11, 15; TAB. 5

--, CALEF + GRICE (UNPUBL.) IN KETCHUM + RYDER
1966 (UNPUBL.): APPENDIX

Microcalanus pygmaeus (Sars)

-- --, Grice, 1962. p. 101

-- --, Tanaka, 1960. pp. 35-36, pl. 13, fig. 1-9

-- --, Park, 1970, p. 475

--, Maclellan, 1967, p. 102.

--, TANAKA, 1956 b: 385-387 FIG. 12 540. M. PUSILLUS,

--, Zvereva, WOLFENDEN, 1911; PSEUDOCALANUS PYGMAEUS
Zvereva, 1975: 251

— Bjornberg, 1981: 628, fig. 209#3

Microcalanus pygmaeus

- , Furuhashi, 1966: 297, 298, 299, 300, 301, 302, 306, 308
- , WHEELER, 1970: TAB. 4
- , FIGUEIRA 1971: 150.
- , Shih & Laubitz, 1978, p. 49
- Horner & Murphy, 1985: 203, passim
- Wiborg, 1944: 30, 55

Microcalanus pygmaeus (G.O. Sars, 1900)

- , MOTODAI MINODA, 1974: 233
- , Hempel, et al., 1983, p. 18
- Deerey, 1960b: passim
- ZAMORA SANGHEZ 1974: 45
- GROENDALH + HERMROTH 1986: 318-317, ARCTIC.
- GRAINGER 1965: 548-549
- MINODA 1972: 327
- FONTAINE 1955: 858-, UNGAVA BAY
- FERRARI + HAYEK 1990: TAB. 1

Microcalanus pygmaeus (G.O. Sars, 1900)

card 7

- Shih et al. 1971:44, Canada - Atlantic; 150, PACIFIC; 206, ARCTIC
- P. WARD 1989: 144-, S. GEORGIA, ANTARCTIC
- RAZOULS 1994: 42-, PL. 13, ANTARCTIC; 11
- TUPITSKII 1976: 108-120, TABS. 1, 2, BARENTS SEA

Microcalanus pygmaeus pusillus Sars, 1903.

— — —, Gardner & Szabo, 1982, p. 25, 176-177,
fig. 12.2.1.

Microcalanus subcrassus

--, Bjornberg, 1963: 100 (table)

Microcalanus species

--, Furuhashi, 1966: 302, 304

--, Bjornberg, 1963: 100 (table)

--, JAWED, 1973: 102, 71

--, FIGUEIRA 1971: 151.

-- JAZDZEWSKI ET AL. 1982: 241, DRAKE PASSAGE

NR. MICROCALANUS, COPLEY ET AL. 1989: 13, NW ATLANTIC

-- SHIH ET AL. 1971: 44, CANADA-ATLANTIC; 151,
PACIFIC; 206, ARCTIC

-- COYLE ET AL. 1990: 763, AUK BAY, ALASKA

-- SIFERD + CONOVER 1992: 277, TAB. 1, CANADIAN ARCTIC