

Calanoida - ~~Metridiidae~~  
Metridinidae

Metridia valid.  
Boeck, 1865

M. lucens

Metridia Boeck, 1865(4), p. 13 (237).

" " Giesb, & Schm., 1898, p. 105,

" " Giesbrecht, 1892, p. 61, 339. 749.

" " Esterly, 1905, p. 177.

" " Wheeler, 1901, p. 175.

" " Dahl, 1894, b, p. 10

" " Wolfenden, 1904, p. 125,

Paracalanus Brady & Robertson, 1878, p. 126.

Body slender: lateral parts of last segt.  
of metasome not expanded: no luminous  
organ present - 1° antennae attenuated:  
prehensile antenna of ♂ (left) with sensory  
appendages - Exopod of 2° antennae scarcely  
longer than endopod - 6-jointed. Endopod  
of 2°, 3°, and 4° legs half as long as exopod -  
5° legs in ♀ 3- or 4-jointed, in ♂ 5-jointed

Metridia G. O. Sars, 1902, p. 110.

Metridia Brady, 1878, p. 40

Metridina Norman, 1878, p. 3 (251).

Calanus (pars) Lubbock, 1854, p. 126.

Diaptomus Buchholz, 1874, p. 392.

Paracalanus Brady & Robertson, 1873, p. 126.

Pleuromma Touchet & de Guerne, 1887, p. 713.

Metridia Lilljeborg, 1875, p. 7.

" " " Tryborn, 1881, p. 36.

" " " Thompson, 1886, p. 204

" " " Malcolmson, 1886, p. 636.

" " " Möbius, 1887, p. 115

" " " Giesbrecht, 1889, a. p. 164: 1889, c. p. 24.

METRIDIA

Metridiidae

- DAHLGREN 1916: 808 - light production.
- Gardner & Szabo, 1982, p. 27, 321.
- FERRARI, 1984, 177
- MAUCHLINE 1988: 708-, FIG. 5A, PORE SIG.
- BAMSTEDT 1986: 8-

Metridiidae - Calanocida

Metridia andraeana Brady,

— — Brady, 1918, p. 25: pl. 9, figs. 8-11.

Habitat. Antarctic Ocean.

Metridiidae - Calanoida

Metridia armata Boeck, ♀

— — Boeck, 1865, p. 238.

A synonym of Metridia longa,  
(Sars, 1902, p. 112).

— — Tilljeborg, 1875, p. 7.

— — Trybom, 1881, p. 36

— — Malcolmson, 1886, p. 636.

— — Thompson, 1886, p. 204.

- — Möbius, 1887, p. 115,
- — Giesbrecht, 1889, a, p. 164.
- , Arcos, 1975, p. 17
- , DUNN & HOLSEMAN, 1979; 54, 55
- DAHL 1893: 108

Metridiidae - Calanoidea.

Metridia armata Brady ♀.

— — Brady, 1878, p. 42: pl. 2, fig. 1-12.

— — Brady, 1880, p. 56.

A synonym of Metridia lucens.  
(Sars, 1901, p. 113).

A synonym of Metridia hibernica.  
(Giesbrecht, 1892, p. 340).



— — Thompson, 1886, p. 204.

— — Malcolmson, 1886, p. 636.

— — Möbius, 1887, p. 115.

*Pleuromma armatum* Touchet & de Guerne, 1887, p. 713

*Metridia armata*, Thompson, 1893, p. 181; pl. 15, f. 2 a-c.

METRIDIA ASYMMETRICA

BRODSKY 1950

— — 1950, P. <sup>300</sup> 299, fig. 205. NW Pacific, Sea of Okhotsk.

-- --: Vaupel-Klein, 1970, p. 34.

--. Furuhashi, 1966: 298

-- MOTODA + MINODA 1974: 232, Bering Sea (in list).

Metridiidae - Caranoidae  
Metridia atra Esterly, ♂. ♀.

— Esterly, 1906, p. 70: pl. 9, f. 15-16: pl. 11,  
f. 39-40: pl. 13, f. 78: pl. 14, f. 95.

?Gaussia princeps, Sewell 1932, p. 270

--, (= GAUSSIA PRINCEPS), VERVOORT, 1965: 103-104

--, (= GAUSSIA PRINCEPS), TANAKA, 1963: 26

Habitat. Pacific, California coast.

METRIDIA BICORNUTA DAVIS, 1949

--, WHEELER, 1970: 12

Metridia bjornbergae

-- Ferrari 1993: 1711

Metridiidae - California

Metridia boeckii Giesbrecht, ♀.

— — Giesbrecht, 1889, p. 24, 19, 31, 37.

— — Giesbrecht, 1892, p. 340, 346: pl. 33, f. 8,

M. boeckii Giesbrecht & Schmeil, 1898, p. 107.

— — Esterly, 1905, p. 178: text-fig. 35, c.

Habitat. California Coast: Porto Lagunas.

- — A. Scott, p. 120: pl. 37, figs. 12-14.  
[ — Sars, 1925, p. 199: pl. 54, f. 8-11. = M. discreta  
— — Sewell 1932, p. 247, fig. 87 B Farran 1941  
— —, BRODSKY, 1950, P. 296, fig. 202.  
— —, JESPERSEN, 1934, P. 100. W. GREENLAND WATERS.  
— —, 1967, Grice & Hulsemann, p. 28, figs. 130-133;  
—, Beklemishev, 1961, p. 157  
—, TANAKA, 1963 15  
- BOECKI, MAUCH LINE 1988: 708-  
- BOECKI, RAZOULS 1994: 140

Metridiidae - Calanoida.

Metridia brevicauda Giesbrecht, ♀.

— — Giesbrecht, 1889, p. 24; 1892, p. 340:  
pl. 33, figs. 5, 10, 11, 14, 21, 32.

— — Cleve, 1904, p. 192.

— — Stebbing, 1910, p. 535.

Habitat. So. Atlantic; Tropical Pacific.

--, Arcos, 1975, p. 18, figs. 46-47



- — Giesbrecht & Schmeil, 1898, p. 108  
— — A. Scott, 1909, p. 120: pl. 37, figs. 9-11.  
— — Wilson, 1932, p. 118: fig. 78. 1942, p. 193  
— — Sewell 1932, p. 248, Indian O.  
— —, JESPERSEN, 1934, P. 101, W. GREENHAND, WATERS.  
— —, BRODSKY, 1950, P. 300, fig. 206.  
— —, Furuhashi, 1961. p. 4  
— —, 1967, Grice & Hulsemann, p. 28;  
— —: Vaupel-Klein, 1970, p. 34.  
— —; Park, 1970, p. 477  
— —; Vervoort, 1957, p. 122.  
— —, Roe, 1972a, pp. 297-  
— —, Roe, 1972c, pp. 542, 544-545.  
— —, Vives, 1972, p. 218.

Metridia brevicauda

2

- Minoda, 1972, p. 325.
- , Furuhashi, 1966: 307, 309, 313
- , Furuhashi, 1961: 74, 107
- , TANAKA, 1963: 15, 19 ♀ ♂, FIG. 157
- , WHEELER, 1970: 6; TAB. 4
- , ARCOS, 1976: 95; FIG. 19; TAB. II
- , BINET & DESSIER, 1971: 435, 455
- , FASHAM, ET AL, 1974: 109; FIG. 4; TAB. 3, 4, 9
- , OWRE & FOYO, 1964b: 365
- , OWRE & FOYO, 1970: TAB. 3
- , MOTODA & MINODA 1971: 232

- Bjornberg, 1981:640, fig. 214 #2

- Devey & Brooks, 1977:264

Metridia brevicauda Giesbrecht 1889 card 3

-- Soldevilla, et al. 1988: 59 Canary Islands

-- COPLEY ET AL. 1989: 13-, NW ATLANTIC

— Wishner & Allison, 1986: f. 8, tbl. 2

-- RAZOUK 1994: 138; 11

Melridia curticauda Giesbrecht, ♀

- — Giesbrecht, 1895, p. 257; 1889, c. p. 24.
- — Giesbrecht, 1892, p. 340; pl. 32, 33.
- — Giesbrecht, 1889, c. p. 24.
- — Giesbrecht & Schneil, 1898, p. 108.

Habitat. No. Atlantic; Tropical Pacific.  
--, Furuhashi, 1966: 303, 305, 307, 309, 313, 326

- — Wolfenden, 1911, p. 208.  
— — Harran, 1929, p. 259.  
— — Wilson, 1942, p. 194  
— — Sewell 1932, p. 248, Indian O.  
— —, BRODSKY, 1950, fig. 203, P. 297.  
— —, VERVOORT, 1951, P. 121, figs. 65-67.  
— —, Furuhashi, 1961. p. 4  
— —: Vaupel-Klein, 1970, pp. 33-34  
— —; Park, 1970, p. 477  
— —; Vervoort, 1957, p. 122-123.  
— —, Roe, 1972a, pp 297-  
— —, Roe, 1972c, pp. 542-3,  
545.  
— —, Roe, 1972d, p. 1040.

Metridia curticauda

2

--, Furuhashi, 1961: 74

--, TANAKA, 1963: 15-16 ♀♂, FIG. 154

--, Gardner & Szabo, 1982, p. 27, 322-323, fig. 20.1.1

-- MOTODA & MINODA 1974: 232

— Devey & Brooks, 1974: 264

-- CUMMINGS 1982: 35-, GULF OF MEXICO

-- ATKINSON & WARD 1988: 329-, S. GEORGIA

-- RAZOUK 1994: 138-, PL. 66, ANTARCTIC; 11

Metridia discreta Farran (1946)<sup>7</sup> - S of Greenland

-- -- --, Grice & Hulsemann, 1965, pg. 244, fig. 16 (h)  
to (k)

-- Harding, 1974, p. 149.

--, WHEELER, 1970: TAB. 4

-- Farran, 1947: 215-216 (syn. M. boeckii)  
(Pacific sp.)

-- Deevy & Brooks, 1977: 264



Metridia effusa, Grice & Hulsemann, p. 28, figs. 134-143

-, Roe, 1972a, pp. 297-

--, Roe, 1972c, pp. 542, 545.

-- Soldevilla, et al. 1988: 59 Canary Islands

Metridiidae - Calanoidae  
Metridia gerlachei Giesbrecht, ♀, ♂

— — Giesbrecht, 1902, p. ~~17~~<sup>27</sup>: pl. 5, figs. 6-14.

— — T. Scott, 1912, p. 534.

— — Wolfenden, 1908, p. 15: 1911, p. 286

— — Brady, 1918, p. 25: pl. 7, figs. 19-23.

— — Cépède, 1914, p. 151. 1914a, p. 128, text fig.

Habitat. Antarctic Ocean.

— — Ottestad, 1932, p. 51. Biology. 1936, pp. 21, 28.

— — Mackintosh, 1934, p. 86 fig. 3g. Biology.

— — Hardy + Gunther, 1935, p. 175. Biology

— — HARRAN, 1929, p. 259.

— —, VERVOORT, 1951, p. 120.

— —, Tanaka, 1960. pp: 49-51, pl. 22; fig. 1-8

— —; Vervoort, 1957, p. 120-121, figs. 109-110.

—, Bradford, 1971, p. 24, fig. 86, 87

—, Seno, Komaki & Takeda, 1963, tab. 2, fig. 4, 5

—, Brodskii, 1964, p. 227

—, Cushing, 1951, p. 166

—, TANAKA, 1964b: 49, TAB. 2, 3

—, Bjornberg, 1963: 123

Metridia gerlachei

card 2

--, Vinogradov & Voronina, 1974, p. 38

--, Brodskij, 1958, p. 27

--, Heinrich, 1974, p. 44

--, Hempel, et al., 1983, p. 4, 11, 18-19

-- Zvereva, 1975: 254, fig 3 c, f.

-- SCHNACK, 1983: 63-67

-- Bjornberg, 1981: 640, fig. 214 #3

-- ZMIJEWSKA 1983: 37<sup>9</sup>-45, PRYDZ BAY, ANTARCTICA. Figs 8-9.

MANTO & BARTHEIRA 1986: 88-. ANTARCTIC

Metridia gerlachei

card 3

- Montú & Oliveira 1986: 118-, S. Atlantic
- BAMSTEDT 1986: 9-
- LE BORGNE 1986: 142-
- ALMEIDA PRADO POR 1986: 517-523, FIGS. 2(5,7), 3,  
ANTARCTIC
- JAZDZEWSKI ET AL. 1982: 203-, DRAKE PASSAGE/  
BRANSFIELD STRAIT
- Vervoort, 1972: 94 Antarctica
- Nakamura, et al 1982: 28-30 figs 2,3 tab 1 Antarctic  
(Indian O. sector)

Metridia gerlachei

card 4

- Ferrari & Dearborn 1989: 1319
- MARIN 1987: 109-, SCOTIA SEA
- HERRING 1988: 184-
- ATKINSON & WARD 1988: 329-, SOUTH GEORGIA
- MARIN 1986: 12-, SCOTIA SEA (p.62)
- P. WARD, 1989: 144-, S. GEORGIA, ANTARCTIC
- RAZOULS 1994: 140-, PL. 67, ANTARCTIC; 11
- FERRARI 1993a: 1711-1712, BRANSFIELD STRAIT,  
ANTARCTICA

Metridia gerlachei

card 5

-- Schnack-Schiel & Hagen 1994: 1543-, Weddell Sea

-- BEAUMONT + HOSIE 1997: 121-131, PRYDE BAY, ANTARCTIC

= METRIDIA GERLACHEI Calanidae - Calanoida,

Phyllopus turgueti Quidor, ♂♀.

1, 36, Pl. I Figs. 1-19

— — Quidor, 1906, p. 4: figs. 1-19, ANTARCTIC

— — Quidor, 1906.b, p. 27: figs. 1-19, pl. 1.

= Metridia gerlachei, Cépède, 1914, p. 128: f. 1-26.

M. gerlachei; Vervoort, 1957, p. 120-121, figs. 109-110.

Habitat. Surface, Wandel Island,



METRIDIA GURJANOVAE

EPSTEIN 1949

— —, BRODSKY, 1950, P. 301, FIG. 207.

-- --: Vaupel Klein, 1970, pp. 34-35, figs. 13d-e.

-- MOTODA & MINODA 1974: 232

Metridia hibernica (Giesbrecht). ♂. ♀.

— — Giesbrecht, 1892, p. 345: pl. 32, f. 11; pl. 33,


— — Cleve, 1900, p. 140. [f. 2, 12, 16, 22, 36, 39

— armata Brady, 1878, p. 42: pl. 2, f. 1-12.

A synonym of Metridia lucens.

(Sars, 1901, p. 113).

Paracalanus hibernicus Brady & Robertson, 1873, p. 126.

Metridia hibernica Auri  villius, 1898, p. 71.

— — Cleve, 1900, p. 68.

— —, DAHLGREN 1916: 808 - light production.

<sup>Metridiidae - Calanoidae,</sup>  
Metridia ignota Esterly, ♀.

— — Esterly, 1906, p. 71: pl. 9, fig. 20.

— — BRODSKY, 1950, p. 305, fig. 211.

Habitat, Pacific, California coast,

Metridiidae - Calanoida

Metridia longa (Lubbock) ♂.♀.

Calanus <sup>us</sup> Lubbock, 1854, p. 127: pl. 5, f. 10.

Metridia Cleve, 1900, p. 140

— — T. Scott, 1902, b, p. 454: pl. 22, f. 1-4.

— — Stephensen, 1913, b, p. 73: 1913, a, p. 310.

Habitat. British Seas; Greenland

— *armata* Boeck (not Brady), 1865, p. 238.

— *longa* G. O. Sars, 1902, p. 112; pls. 75 & 76,

— — G. O. Sars, 1900, p. 99; pl. 29.

— — Van Breemen, 1907, p. 108; text-fig. 103.

— — Damas & Koefoed, 1907, p. 397.

— — Vanköffen, 1895, p. 304

*Diaptomus castor* (?) Buchholz, 1874, p. 392.

*Metridia armata* Willjeborg, 1875, p. 7.

*Metridia* — Norman, 1878, p. 3.

*Metridia* — Trybom, 1881, p. 36; Möbius, 1887, p. 115.

— — Thompson, 1886, p. 204; 1900: 280

— — Malcolmson, 1886, p. 636.

— — Anraku, 1954, pp. 123-136, Aleutian Is.

*Pleuromma armatum* Touchet & de Guerne, 1887, p. 713.

*Metridia armata*, Giesbrecht, 1889, a. p. 164.

— — Giesbrecht, 1892, p. 339: pl. 32, 33.

— — *longa* Willey, 1920, p. 15 K.

— — Aurivillius, 1898, p. 90.

— — Mrázek, 1902, p. 515. 27, 34, 38

— — Giesbrecht, 1892, p. 339: pl. 33, f. 9, 13, 20, 23.

— — Giesbrecht & Schmeil, 1898, p. 106.

— — T. Scott, 1899<sup>c</sup>, p. 91: pl. 4, figs. 16-17.

— — Sars, 1925, p. 19 8.

— Scott & Scott, 1901: 340

- — Cleve, 1900, p. 69.
- — Wilson, 1932, p. 120: fig. 80. 1942, p. 194
- — Jaschnov, 1927, p. 22, Kara Sea. 1939, Barents Sea.
- — Linko, 1913, p. 26.
- —, Fontaine, 1955, p. 881; Ungava Bay, Canada.
- —, BRODSKY, 1950, p. 293. fig. 199!
- —, JESPERSEN, 1934, p. 93. GREENLAND WATERS. - 1940, p. 44-45. Iceland.
- —, Grice, 1962. pp. 101-102
- —, FURUHASHI, 1961. p. 10
- —, Clarke et al, 1962. pp. 541-564
- —, Johnson, 1963. pp. 92, 93, 97, 99
- —, Cowover, 1968, p. 112
- —, PRYGUNKOVA, 1977: 105, 106
- —, TOPITSKY, 1976: 112, 120; TAB. 2



(3)

Metridia longa (Lubbock)

- -- Grainger, 1965, pp. 543-564 (548-549).
- --, *Cairn*, 1967, p. 559
- , *Fulton*, 1968, p. 40, some refs. are syns. of *M. okhotensis*
- --, *Apstein*, 1905, p. ~~XVIII~~, ~~XX~~, ~~XXXVIII~~, ~~L~~, ~~LIV~~, ~~LVI~~
- , *Chiba*, 1956, p. 21
- , *Heinrich*, "The life histories...", p. 17
- , *Pertsova*, 1967, p. 240-
- , *Stormer*, 1929, p. 36-7
- , *Cushing*, 1951, p. 167
- , *Arcos*, 1975, pp. 17-18, Fig. 42-45 (in Appendix)
- , *Sherman*, 1968, p. 6 Bahía de Concepción, Chile

*M. longa*

--, Maclellan, 1967, p. 102

--, Filteau & Tremblay, 1953, p. 17.

--, Davis and Green, 1974, p. 57

--, Furuhashi, 1966: 297, 298, 303, 314, 315, 320

--, Furuhashi, 1961: 75

--, TANAKA, 1963: 15, 21

--, (TANAKA, 1953 = M. OKHOTENSIS), TANAKA, 1963: 19-21

--, WHEELER, 1970: TAB. 4

--, TABCHNOV, 1972: 280

--, HETP & SMOL, 1976: TAB. 5

--, LACROIX & FILTEAU, 1971: 776, 787-791, 809, 811, 812; FIG. 8, 9;  
TAB. 5, 6, 17, 18

--, PAVSHTIKS, 1977: 56, 69-71

METRIDIA LONGA (LUBBOCK)

CARD 4

- , RAZOULS, S. ET AL. 1986: 888
- , DAMKAER, 1975: 11
- , DIGBY, 1954: 300, 319-322; FIG. 10, 13; TAB. 6
- , DAVIS & GREEN, 1974: 57
- , JOHNSON, 1948: 328
- , JOHNSON, 1956a: 10, 18, 19; TAB. 1-7
- , DAHLGREN 1916: 808-810 - light production.
- , Turner, 1981, p. 369, tbl. 2
- , Brodskij, 1958, p. 27
- , Shih & Laubitz, 1978, p. 49

- Margues, 1953: 109
- Lacroix, 1966: 52
- Lacroix, 1963a: 64, 66
- Pertsova, N.M.; 1972: 14-31, fig. 1-6.
- Sherman & Schaner, 1965: 618-625
- , SCHNACK, 1983: 67
- MOTODA + MINODA 1974: 232 (a syn. of M.  
OKHOTENSIS)
- GRAINGER 1959: 474, 486-488, ARCTIC OCEAN
- Bevevy & Brooks, 1977: 264
- Horner & Murphy, 1985: 204
- Lapota, et al, 1986: 887-888 Bioluminescence

Metridia longa (Lubbock)

card 5

- Runge & Ingram 1988: 281-282, Hudson Bay
- MAUCHLINE 1988: 708-
- ZELIKMAN & KAMSHILOV 1960(64): 13-, BARENTS SEA
- DAVIS 1982: 728-, NEWFOUNDLAND
- DAVIS 1986: 31-, "
- BAMSTEDT 1986: 25-
- SARGENT & HENDERSON 1986: 63-
- LE BORGNE 1986: 123-
- MAYZAUD 1986: 250-

Metridia longa (Lubbock, 1854)

card 6

- Groendahl & Hernroth 1986: 311-318, Arctic
- FONTAINE 1955: 858-, UNGAVA BAY
- FERRARI & HAYEK 1990: 114, 125, TAB. 1
- CITARELLA 1989: 126-, ST. LAWRENCE GULF, CANADA
- SAMSTEDT 1988: 44-58, KOSTER FJORDEN, SWEDEN
- MARUKAWA 1921: 8-, JAPAN
- SARGENT & FALK-PETERSEN 1988: 101-, BALSFJORD, NORWAY
- TANDE & GRØNVIK 1983: 43-54, FIG. 4, BALSFJORD, NORWAY
- HERRING 1988: 183-, LUMINESCENCE

Metridia longa (Lubbock, 1854)

card 7

- Shih et al. 1988: 321-, Nova Scotia
- PRÉFONTAINE 1932: 207, ST. LAWRENCE, QUEBEC
- PRÉFONTAINE & BRUNEL 1962: 253, " " "
- COPLEY ET AL. 1989: 13-, NW ATLANTIC
- HARDING, G. ET AL. 1980: 32-, NOVA SCOTIA
- SHIH ET AL. 1971: 40-41, CANADA-ATLANTIC; 205,  
ARCTIC
- OHMAN 1988b: 539-
- OHMAN ET AL. 1989: 1323
- Wiborg, 1944: 30, 55

Metridia longa (Lubbock, 1854)

card 8

- Razouls 1994: 142-, Pl. 68, Antarctic; synonymy ;//
- C. B. WILSON 1936: , CANADIAN ARCTIC
- LEGARÉ + MACLELLAN 1960: 434, MAINE/NEW BRUNSWICK, USA/CANADA
- HOLMES 1983: 19, IRELAND
- TUPITSKII 1976: 108-120, TABS. 1, 2, BARENTS SEA
- ACKMAN ET AL. 1974: 1813, NORTH ATLANTIC
- GISLASON + ASTTHORSSON 1992: 221, TAB. 1, ICELAND
- ASTTHORSSON + GISLASON, 1992: 229, 233, TAB. 1, ICELAND



METRIDIA LONGA (LUBBOCK)

9

- - BARTHEL ET AL. 1995: 26, TAB.1, NORWAY

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

Metridia lucens Boeck ♀ ♂  
Anraku, 1954, pp. 1-8.. N W Pacific..

— —, MORI, 1937, P. 67, JAPAN & KORPA COAST.

— —, BRODSKY, 1950, P. 294, FIG. 200

— —, JESPERSEN, 1934, P. 98-100, W. GREENLAND WATERS.

— —, " , 1940, p. 45-46. Iceland, esp. s. & w. coasts.

— —, Cameron, 1957, p. 183. Queen Charlotte Is.

-- --, Furuhashi, 1961. p. 10

-- --, Decker, 1964. p. 22. South Africa

-- --, Anraku, 1964. p. 49

— —, Glover, 1967, p. 199

(see back)

M. lucens, Omori, 1965. pp. 18-27

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

-- --; Vervoort, 1957, p. 119.

-- --; Bradford, 1970 p. 344

-- --, Apstein, 1905, p. ~~XVIII~~, ~~XX~~, ~~XXXII~~, ~~XXXIX~~, ~~XXXX~~,  
~~XXXXII~~, ~~XXXXIV~~, ~~XXXVIII~~, L

--, DeDecker, 1962, p. 109

--, Rader, 1970, p. 76

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

--, JOHNSON, 1956a: 5, 6, 14; FIG. 4-6; TAB. 1, 5

--, FASHAM, ET AL., 1974: TAB. 1

Metridiidae - Calanoida

Metridia lucens Boeck, ♀, ♂.

- — Boeck, 1864 (1865), p. 238 (14). [fig. 19-20  
— *armata* Brady, 1878, p. 42: pl. 2, fig. 1-12; pl. 56.  
— — Brady, 1880, pl. 56, fig. 19-20  
— *hibernica* Giesbrecht, 1892, p. 345: pl. 32,  
fig. 11: pl. 33, figs. 2, 12, 16, 22, 28, 36, 39.

Habitat, English Seas: Woods Hole: Plymouth  
Harbor: Mediterranean: Pacific:  
Gulf of Suez.

- *lucens* Norman & Brady, 1909, p. 115.  
*Paracalanus hibernicus* Brady & Robertson, 1873, p. 126.  
*Metridia lucens* Sars, 1902, p. 113: pl. 77. pl. 8. fig. 1-3  
— — M. Rathbun, 1905, p. 105.  
— — T. Scott, 1902, b, p. 454; 1912, p. 534.  
— — T. Scott, 1906, p. 302; 1908, b, p. 262.  
— — Giesbrecht & Schmeil, 1898, p. 106.  
— — Sharpe, 1910, p. 412; Cleve, 1904, p. 192.  
— — Stebbing, 1910, p. 535.  
— — Thompson & Scott, 1903, p. 249.  
— *hibernica* Wheeler, 1901, p. 176: text-fig. 14. a-g.  
— —, Murakami, 1954, pp. 123-136, Aleutian Is.

M-lucens Esterly, 1912, p. 300.

— — Giesbrecht, 1895, p. 257.

— — Dahl, 1894, p. 11 = Cleve, 1902, p. 20.

— — Esterly, 1905, p. 177: text-fig. 35, a-c.

— — Willey, 1919, p.

— — Farran, 1929, p. 258.

— — Sars, 1925, p. 198.

— — Rose, 1929, p. 29.

— — Wilson, 1932, p. 119: fig. 79. 1942, p. 194, f. 70

— —, David & Conover, 1961 pp. 92-107, fig. 1-7

— —, Clarke et al., 1962 pp. 541-564

- --, Chiba, 1956, p. 31, fig. 20
- , Bradford, 1972, p. 44, fig. 10.9-10.11
- , Stormer, 1929, p. 37
- , Pesta, 1928, p. 54, fig. 46
- , Sato, 1913, no. 22, pl. 5
- , Fulton, 1968, p. 40, fig. 24
- , Beklemishev, 1961, p. 157
- , Vinogradov, 1960, p. 500, = *M. pacifica*
- , Van Engel & Tan, 1965, p. 184
- , Furuhashi, 1966: 303, 318, 319
- , Furuhashi, 1961: 75

Metridia lucens

Card 4

- , Furuhashi, 1965, p. 49-51
- , Cushing, 1951, p. 163-
- , Sherman, 1968, p. 6 -
- , Maclellan, 1967, p. 102
- , Hue, 1967, pp. 7, 15, 18-19
- , Roe, 1972a, pp. 297-
- , Roe, 1972c, pp. 545.
- , Vives, 1972, pp. 228, 237-9.
- , Evans, 1972, pp. 50.
- Omori; Tanaka, 1967, p. 33-71
- Hammond, 1973, p. 337.
- Harding, 1974, p. 143.
- Frolander, 1962, p. 662.



- M. lucas*
- , FURUHASHI, 1966: 295, 297, 298, 299, 300, 302, 303,  
305, 307, 313, 314, 320
  - , TANAKA, 1963: 15, 21, 22
  - , (TANAKA, 1953 = M. PACIFICA), TANAKA, 1963: 21-22
  - , MARSHALL & ORR, 1966: 513-530 (RESPIRATION & FEEDING)
  - , DUNN & HULSEMAN, 1979: 54
  - , CORREAL & ALVAREZ-OSSORIO, 1978: 138, 160
  - , ARCOS, 1976: 95; FIG. 20-22; TAB. II
  - , LACROIX & FILTEAU, 1971: 776, 787-791, 809, 812; TAB. 5, 17, 18
  - , BREEMEN, 1906: 20
  - , DIGBY, 1950: 395, 411; TAB. 18
  - , BEAUDOUIN, 1973: 125, 145-148, 154, 167; FIG. 13, 14; TAB. I

METRIDIA LORENS

CARD 5

- , ITOH, 1970: TAB. 2
- , JAWED, 1978: 3, 8
- , Bjornberg, 1963: 123
- , Vinogradov & Voronina, 1974, p. 39
- , Gardner & Szabo, 1982, p. 27, 324-325, fig. 20.1.2,  
Syn.: M. hibernica
- , Gibbons, 1938, passim: 493-497, FIGS. B, D, DEVELOP-  
MENT
- , Zvereva, 1975: 254-255, fig. 3.a-d
- , Ramirez, 1969: 68-69, fig. 84, 86, 87, 89

Sherman & Schaner, 1965: 618-625

--, PETERSON & MILLER, 1977: 718

--, SCHNACK, 1983: 67

--, MOTODA & MINODA, 1974: 212, 217, 228, 232, FIG. 10.3  
(AS METRIDIA PACIFICA)

-- HERMAN 1984: 131

-- DUGAS & KOSLOW 1984: 131.

-- WILLIAMS 1973:

-- GRICE & HART 1962a: 294, w. NORTH ATLANTIC

-- GRICE & HART 1962b: TABLE 3

-- Deevy, 1952b: 131, 146

-- Deevy, 1960a: 16

Metridia lucens

- Turner & Dagg, 1983: 21, 34, 35, tab. 2, fig. 16
- Bjornberg, 1981: 640, fig. 214 # 1
- HIRAKAWA & ZAMA 1985: 117, SOUTH CHILE FJÖRD
- Dawson & Knatz, 1980: 73, pl. 60, fig. a-g.
- Deevey & Brooks, 1977: 264
- DeDecker, 1984: 316
- Horner & Murphy, 1985: 203, passim
- HERDMAN ET AL. 1910: 249, ISLE OF MAN

METRIDIA LUCENS BOECK

CARD 7

- HERDMAN + SCOTT 1912: 145, ISLE OF MAN.
  - HERDMAN ET AL. 1913: 222, ISLE OF MAN.
  - RAE & FRASER 1941: 197 -, SOUTHERN NORTH SEA
  - COONEY 1971: 102-, PAGET SOUND
  - MAUCHLINE 1988: 708-
  - DAVIS 1982: 728-, NEWFOUNDLAND
  - DAVIS 1986: 31-, "
  - ALMEIDA PRADO POR 1986: 517-523, ANTARCTIC
- Metridea lucens, Marin & Antezana, 1985 963 tabl  
Chile

Metridia lucens Boeck

card 8

- Citarella 1989: 123-, St. Lawrence Gulf, Canada
- WILLIAMS 1988: 151-159, N. ATLANTIC
- MARIN 1987: 109-, SCOTIA SEA
- HERRING 1988: 183-
- McLAREN ET AL. 1989: 560-, SCOTIAN SHELF
- SHIH ET AL. 1988: 322-, NOVA SCOTIA
- ATKINSON & WARD 1988: 329-, SOUTH GEORGIA
- S.L., MARIN 1986: 12-, SCOTIA SEA
- GRANT 1977: 4-8-, OFF NEW JERSEY
- Wishner & Allison, 1986: 716-717, f. 6, Vol. 2

Metridia lucens Boeck

card 9

- Copley et al. 1989:13-, nw Atlantic
- HARDING, G., ET AL. 1980: 32-, NOVA SCOTIA
- SHIH ET AL. 1971: 41-42, CANADA- ATLANTIC;  
148, NOT IN PACIFIC?; 205-ARCTIC
- CITARELLA 1984:139-, SHÉDIAC BAY, NEW BRUNSWICK,  
CANADA
- DE DECKER 1984:156-, OFF S. AFRICA
- ALVARIÑO 1989: 64-, OFF PLYMOUTH, ENGLAND
- Williamson, 1963, pl. III Distrib.

Metridia lucens Boeck

card 10

- P. Ward 1989:144-, S. Georgia, Antarctic
- OHMAN 1986: 677- DABOB BAY, WASHINGTON STATE
- Wiborg, 1944: 56
- MILLER, C. B. + GRIGG 1991: 491, GULF OF MAINE, USA
- BOWMAN 1978a: 114-
- RAZOUHS 1994: 138, 144-, Pl. 69, ANTARCTIC; SYNONYMY; 11
- C. B. WILSON 1936: , CANADIAN ARCTIC
- LEGARÉ + MACLELLAN 1960: 434, MAINE/NEW BRUNSWICK,  
USA/CANADA



METRIDIA LUCENS BOECK

11

-- GISLASON + ASTTHORSSON 1992: 220, 221, TAB. 1,

ICELAND

Metridia lucens orientalis

---, Beklemishev, 1961, p. 157 , a syn. of M. orientalis

Metridia lucens pacifica

---, Beklemishev, 1961, p. 157, a syn. of M. orientalis

Metridiidae - Calanoida.

Metridia macrura G.O. Sars, ♀

— — Sars, 1905<sup>no. 40</sup>b, p. 7

— — A. Scott, 1909, p. 121: pl. 38, figs. 8-11.

— — Sars, 1925, p. 197: pl. 54, f. 1-7.

— — Sewell 1932, p. 249, Indian O. ♀♂, long descr.

— —, JESPERSEN, 1934, p. 93, W. GREENLAND WATERS.

Habitat: Station 1639, 1760, 1768, 1781, 1794

Monaco: Malaysia: Atlantic.

-- -- Tanaka and Umori, 1967, pp. 239-260.

-- -- TANAKA, 1963: 15

-Deevey & Brooks, 1977: 264

Metridia macrura Sars 1905

card 2

-- Soldevilla et al. 1988: 59 Canary Islands

-- HERRING 1988: 184-

-- COPLEY + WIEBE 1990: 13, GUAYMAS BASIN

-- RAZOUKS 1994: 11

Metridiidae - Calanoida.

Metridia normani Giesbrecht, ♀, ♂.

— — Wolfenden, 1904, p. 125: pl. 9, fig. 39-40.

— — Giesbrecht, 1892, p. 340: pl. 32, 33. (♂)

— — Giesbrecht & Schmeil, 1898, p. 107.

— — Wolfenden, 1911, p. 287.

*M. venusta*, Vervoort, 1957, p. 121-122.

Habitat. Naples! English Seas.

Metridia norvegica

-- Herring 1988: 184-



Metridia ochotensis

--, Brodskij, 1958, p. 28

METRIDIÄ OKHOTENSIS BRODSKY

— — 1950, P. 293, fig. 199.

--, Fulton, 1968, p. 40, fig. 12, some refs. of  
M. longa are syns.

--, ~~Lubni-Gertsik, 1959, p. 70-~~

--, Lubni-Gertsik, 1959, p. 71-

--, Morris, 1970, p. 2301.

--, TANAKA, 1963: 15, 19-21 ♀, FIG. 158, SYN: M. LONGA, TANAKA, 1953

--, BRODSKY, 1977: 4-5 ♂; FIG. 1

--, FIGUEIRA 1971: 148.

-- Brodskii, 1950?: FIGUEIRA 1971: 148.

--, Gardner & Szabo, 1982, p. 27, 326-327, fig. 20.1.3  
Syn.: M. longa

-- MOTODA + MINODA 1974: 232 (SYN: M. LONGA)

Metridia okhotensis Brodsky

2

-- RADCHENKO ET AL. 1997: 15-126, SEA OF OKHOTSK

— Tanaka, 1965a: 27, fig 4a-c

— Gordon, et al, 1985: 92-93, table 3-4

-- MAUCKLINE 1988: 708-

-- DAMSTEDT 1986: 11-

-- SHIH ET AL. 1971: 148, CANADA - PACIFIC

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

ALASKA

-- OHMAN 1986: 694-, DABOB BAY, WASHINGTON STATE

METRIDIÄ      ORNATA      BRODSKY

— — 1950, P. 302, FIG. 210.

-- Harding, 1974, p. 141.

--, NOTOYA + MINODA, 1974: 215,

METRIDIA PACIFICA BRODSKY

— — 1950, P. 295, fig. 201.

-- --: Vaupel-Klein, 1970, pp. 32-33, figs. 13b-c.

--, Beklemishev, 1961, p. 153- , probably a syn. of  
M. orientalis

--, Vinogradov, 1960, p. 500, = M. lucens

--, Meshcheryakova, 1970, p. 97

--, Meshcheryakova, 1970, p. 112

--, Meshcheryakova, 1964, p. 150

--, Lubni-Gertsik, 1959, p. 70-

--, Morris, 1970, p. 2301-2.

--, Minoda, 1972, p. 323-330.

- , Hue, 1967, p. 18.
- , TANAKA, 1963: 15, 21-22 ♀♂, FIG. 159, 540. M. LUCENS,  
TANAKA, 1953
- , Kos, 1977: 42, 50
- , GELENN, 1977: 90
- , JAWED, 1973: 3, 9, 10
- , TAGUCHI & FUKUCHI, 1975: TAB. II, III
- , FIGUEIRA 1971: 148-149.

Metridia pacifica Brodsky

card 2

- , Brodskij, 1958, p. 28
- , Gardner & Szabo, 1982, p. 27, 328-329, fig. 20.1.4  
Syn.: M. lucens
- , PETERSON + MILLER, 1977: 718
- , HIROTA, 1982: 51
- , PAFFENHÖFER + GARDNER, 1984: 509
- , MOTODA + MINODA, 1974: 212, 217, 228, 232, FIG. 10.3
- Tanaka, 1965a: 27, fig. 3a-d
- M. ...  
... 282



- Gordon, et al, 1985: 91-93, table 2-4
- AMBLER ET AL. 1985: 189, SAN FRANCISCO BAY
- MAUHLIN 1988: 709-
- BAMSTEDT 1986: 11-
- LE BORGNE 1986: 116-
- MULLIN, C. H. 1968: 31, PUGET SOUND
- HEAD ET AL. 1986: 283-
- HERRING 1988: 184-
- SHIH ET AL. 1971: 148, CANADA-PACIFIC; 205-  
ARCTIC
- COYLE ET AL. 1990: 763-, AUK BAY, ALASKA

Metridia pacifica Brodsky

card 3

-- Alvariño 1989:69-, off s. California

-- OHMAN 1988a: 143-, CALIFORNIA CURRENT

-- P. F. SMITH ET AL. 1989: 95-, OFF S. CALIFORNIA

-- STEINBERG 1993: 24-, MONTEREY BAY, CALIFORNIA

-- RAZOUKS 1994: 144

Metridiidae - Calanoida.

Metridia princeps Giesbrecht, ♀♂.

— — Giesbrecht, 1889, p. 24; 1892, p. 340:  
pl. 33, figs. 3, 18, 35, 40.

— — Cleve, 1904, p. 192.

— — Stebbing, 1910, p. 535.

Habitat. So. Atlantic; Tropical Pacific

— —, BRODSKY, 1950, P. 301, fig. 208.

— —, JESPERSEN, 1934, P. 92 - W. GREENLAND WATERS; <sup>S. coast of Iceland</sup> 1940, p. 43-44

- — Esterly, 1906, p. 69: pl. 11, f. 41: pl. 13,  
f. 79: pl. 14, f. 97.
- — Thompson, 1903, p. 24: pl. 6, f. 3-4 (2).
- — Giesbrecht & Schmeil, 1898, p. 107.
- — A. Scott, 1909, p. 121: pl. 38, figs. 1-7.
- — Wolfenden, 1908, p. 15: pl. 3, figs. 3-5.
- — Wolfenden, 1911, p. 287: pl. 40, figs. 8-13.
- — Farran, 1929, p. 258.
- — Sars, 1925, p. 194: pl. 53, f. 1-12.
- — Rose, 1929, p. 29. — Wilson, 1932, p. 122: fig. 8d.
- — Wilson 1942, p. 194, fig. 102
- — Sewell 1932, p. 252, pls. 3-4, figs. 88, dev. stages
- — SEWELL, 1947, p. 167, N. ARABIAN SEA.

Metridia princeps

(2)

- --, Furuhashi, 1961. p.8
- --, Clarke et. al., 1962. pp. 541-564
- —, Owre, 1962
- --: Vaupel-Klein, 1970, pp. 35-36, fig. 14a-c.
- --; Park, 1970, p. 477
- --; Vervoort, 1957, p. 118, fig. 108.
- , Roe, 1972a, pp. 297-
- , Roe, 1972c, pp. 545.
- Roe, 1975, pp. 344.
- , Vives, 1972, p. 218.
- Hardung, 1974, p. 149.
- , VERVOORT, 1965: 104-105
- Gardner & Szabo, 1982, p. 27, 330-331, fig. 20.1.5;
- —, — —

--, TANAKA, 1963: 15, 17-18 ♀♂, FIG. 156

--, WHEELER, 1970: 6, 12; FIG. 76; TAB. 4

--, OWRE & FOYO, 1964b: 361, 365

-- SANDER & MOORE 1978: 233.

-- YOUNG-BLUTH 1979: 22, CARIBBEAN

-- Bjornberg, 1981: 640, fig. 214 #4

-- Deevey & Brooks, 1977: 264

-- MAUCKLINE 1988: 709-

-- HÜLSEMANN 1988a: 188-189

Metridia princeps Giesbercht 1892

card 3

-- Soldevilla, et al. 1988: 59 Canary Islands

-- HERRING 1988: 184-, PL. I A-C

-- COPLEY ET AL. 1989: 13-, NW ATLANTIC

-- REID 1990: 188

-- BOXSHALL 1992: 353-

-- OHTSUKA & MITSUZUKI 1990: 95

-- RAZOUKS 1994: 11

-- T. SCOTT 1909: 128, NORTH SEA OFF SCOTLAND

Metridiidae - Calanoida

Metridia scotti Giesbrecht, ♂.

①

— — Giesbrecht, 1897, p. 254.

— — Giesbrecht & Schmeil, 1898, p. 107 [-20

Pleuromma princeps, T. Scott, 1893, p. 42: pl. 3, f. 8<sub>n</sub>

--, Wolfenden, 1905, p. 5

Habitat. Gulf of Guinea

--, (= GAUSSIA PRINCEPS), VERVOORT, 1965: 103-104

--, (= GAUSSIA PRINCEPS), TANAKA, 1963: 26

Uchida et al., 1988a: 188-189



METRIDIA SCOTTI GIESBRECHT

(2)

-- ICZN 1990:145, INVALID NAME, SYN. OF

GAUSSIA PRINCEPS.

METRIDIÄ SIMILIS BRODSKY

— — 1950, P. 299, Fig. 204.

*Metridia similis abyssalis* Brodsky

1955---pp. 19-21, fig. 11. (p. 202)

Metridiidae - Calanoida

Metridia trispinosa Brady ♂.

— — Brady, 1918, p. 26: pl. 14, figs. 12-17.

Habitat. Antarctic Ocean.

Metridiidae - Calanoida.

Metridia venusta Giesbrecht, ♀.♂.

- — Giesbrecht, 1889, p. 24; 1892, p. 340:  
pl. 33, figs. 7, 17, 29.
- — Cleve, 1904, p. 192
- — Stebbing, 1910, p. 535,

Habitat. So. Atlantic; Tropical Pacific

- — ♂ Thompson, 1903, p. 24: pl. 6, f. 1-2.
- — Giesbrecht & Schmeil, 1898, p. 107.
- — A. Scott, 1909, p. 122: pl. 37, figs. 15-20.
- — Sars, 1925, p. 200: pl. 54, f. 12-16.
- — Sewell 1932, p. 263, Indian O.
- —, Jespersen, 1940, p. 46-47. SE corner of Iceland.
- —, Furuhashi, 1961. p. 4
- —, Grice, 1962. p. 215, pl. 20, fig. 13-17
- —; Park, 1970, p. 477
- —; Vervoort, 1957, p. 121-122.
- —, Bradford, 1970 p. 346
- —, Roe, 1972a, pp. 297-
- —, Roe, 1972c, pp. 542, 545, 544.
- —, Roe, 1972d, p. 1039

Metridia venusta Giesbrecht, 1889

card 2

--, Vives, 1972, pp. 218, 238-9.

--, Furuhashi, 1966: 300, 305, 307, 309, 313, 315, 320

--, Furuhashi, 1961: 74

--, TANAKA, 1963: 15, 17<sup>1</sup>, FIG. 155

--, WHEELER, 1970: TAB. 4

--, BINET & DESSIER, 1971: 435

--, FASHAM, ET AL., 1974: TAB. 1, 4, 9

--, OWRE & FOYO, 1972: 493; TAB. 3

--, OWRE & FOYO, 1964b: 365

Metridia venusta Giesbrecht

card 3

-- Sander & Moore 1978: 233

— Deevoy & Brooks, 1977: 264

-- MAUCKLINE 1988: 709-

-- Soldevilla, et al. 1988: 59 Canary Islands

-- COPLEY ET AL. 1989: 13-, NW ATLANTIC

— Wishner & Allison, 1986: 714, f. 8, fbl. 2

-- RAZOUKS 1994: 11



Metridia species

- , Okada & Taniguchi, 1971, p. 33
- , ARCO S, 1976: 95, FIG. 16, 17; TAB. II
- , JAWED, 1973: 7-104
- , FIGUERIA 1971: 149.
- , Hempel, et al., 1983, p. 18
- , VAISSIÈRE & SEGUIN, 1984: 3, TAB. I
- BJÖRNBERG, T. 1986: 59
- JAZDZEWSKI ET AL. 1982: 222, DRAKE PASSAGE
- HERRING 1988: 184-

Metridia sp.

card 2

-- Shih et al. 1971:149, Canada - Pacific

Metridia spp.

- spp. 1, 2, Copley & Wiebe 1990:13, Guaymas Basin