

SUPERFAM. AUGAPTILOIDEA - CALANOIDA

AUGAPTILIDAE G.O. SARS, 1905

- MAUCHLINE 1988: 699, 702 -, FIG. 6A
- SP. 4, COPLEY & WIEBE 1990: 7, FIG. 21d-k,  
GUAYMAS BASIN - CV; SP. 1, 2, 3, p. 12
- SPP., COPLEY ET AL. 1989: 11-, NW ATLANTIC

in

Calanidae - Calanoida  
Augaptilidae

Augaptilina.

G.O. Sars, 1920.

A. scopifera

Syn. Augaptilina, Sars, 1920, p. 17

— Sars, 1924. pl. 108 fig 1-15

— Tanaka, 1964d: 84

— MAUCHLINE 1988: 703, 704, FIG. 2C, PORE

SIGNATURE.

Augaptilidae - Calanoida

Augaptilina scopifera G.O. Sars, ♀

— — Sars, 1920, p. 17.

— — Sars, 1925, p. 309: pl. 108, f. 1-15

— — MAUCHLINE 1988: 703, 704, FIG. 2c

Habitat. Station 2983. Prince Monaco: Atlantic

CALANOIDA

AUGAPTILOIDEA SARS, 1905

- ANDRONOV 1991: 133-134, NAME CHANGED TO  
ARIETELLOIDEA SARS, 1902

Heterorhabdidae - Calanoidae.

in

Augaptilus.

Giesbrecht, 1889.

A. palumbii.<sup>(M)</sup>

Synonym Hemicalanus (pars) Claus, 1863, p. 176

Augaptilus, Giesbrecht, 1889, p. 813. 1724

Augaptilus, Giesbrecht, 1892, p. 65, 400.

Augaptilus, Giesbrecht & Schmeil, 1896, p. 120.

Augaptilus, Esterly, 1905, p. 187.

Augaptilus, Pesta, 1921, p. 532.

1964d: 74-75

Augaptilidae: Calanoida

AUGAPTILUS GIESBRECHT, 1889

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- MAUCHLINE 1988: 702-703, FIG. 2a, PORE  
SIGNATURE

Calanidae - Calanoida  
Aegaptilidae

Aegaptilus anceps Farran ♀

— — Farran, 1909(1906), p. 79: pl. 8, f. 15-19.

— — Sars, 1925, p. 260: pl. 77, f. 19-22.

— —, JESPERSEN, 1934, p. 112, GREENLAND WATERS.

-- Tanaka & Emori, 1971, pp. 261.

Habitat. Atlantic: Mediterranean.

--, Roe, 1972a, pp. 306-

— Tanaka, 1964d: 75-77, fig. 211a-K

--, ITOH, 1976: TAB. 1

— Deevy & Brooks, 1977: 265

Augaptilus anceps Farran, 1909

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- asceps, Stephen 1984: 169-, Arabian Sea

-- CAMPOS HERNÁNDEZ & SUÁREZ MORALES, 1995:101



Calanidae - Calanoida.

Augaptilus angustus G.O. Sars. ♀.

— — Sars, 1905<sup>b</sup>, p. 10.

Evauq. — Sars, 1925, p. 281: pl. 91, f. 1-14.

--, (= EUANGAPTILUS A.), VERVOORT, 1965: 140

Habitat. Station 1749, 1839, Monaco.

Calanidae-Calanoidea

Augaptilus antarcticus Wolfenden ♀ ♂.

— — Wolfenden, 1911, p. 334: pl. 36, figs. 6-7:  
Text-fig. 70, a-f.

Habitat. Antarctic.

Augaptilus antarcticus Wolfenden - see Euaugaptilus

Calanidae - Calanocaa.

Augaptilus brevicaudatus G.O. Sars. ♀.

— — Sars, 1905, b, p. 12.

Evaugaptilus squamatus, Sars, 1925, p. 261: pl. 78.

-- (= EUANGAPTILUS SQUAMATUS), VERVOORT, 1965: 136

Habitat. Station 1781, 1856, Monaco.

Augaptilus bullifer Giesbrecht, ♀.

= Euan.

- — Giesbrecht, 1889, c, p. 813. [pl. 39, f. 46
- — Giesbrecht, 1892, p. 400: pl. 28, f. 21-24:
- — Giesbrecht & Schmeil, 1898, p. 122.
- — A. Scott, 1909, p. 135.

Habitat. Indian Ocean; Malaysia

Evauq. — Sars, 1925. p. 272: pl. 85. f. 1-15.

Calanidae - Calanoidae.

Augaptilus californicus Esterly, ♀.

— Esterly, 1913, p. 186: pl. 10, fig. 4, 22;  
pl. 11, fig. 31, 40: pl. 12, fig. 43, 48,  
—, BRODSKY, 1950, p. 371, F. 261.

Habitat. California Coast.

Augaptilus cornutus Wolfenden, ♀.

— — Wolfenden, 1911, p. 333: text-fig. 69, a-b.

— —, BRODSKY, 1950, p. 370, F. 259.

— — RAZOUK 1994: 9

— — CAMPOS HERNÁNDEZ + SUÁREZ MORALES 1995: 101

Habitat. Antarctic.



Calanidae - Calanoida

Augaptilus cucullatus G. O. Sars, ♀.

— — Sars, 1905, b, p. 17.

— — Wolfenden, 1911, p. 339.

Centraug. — Sars, 1925, p. 306: pl. 107, f. 1-10.

--, (= CENTRAUGAPTILUS c.), VERVOORT, 1965: 146

Habitat. Station 1760, 1794, 1844, 1856.

Monaco; Atlantic.

Calanidae - Calanoida,

Augaptilus depressus Esterly, ♀.

— — Esterly, 1913, p. 187: pl. 10, f. 11, 20, 26:  
pl. 11, f. 33, 38, 42: pl. 12, f. 44, 54,  
— —, Brodsky, 1950, p. 372, fig. 262.

— — ESUAREZ 1991b: 239, = EUAGAPTILUS FILIGERUS

Habitat. California Coast.

Calanidae - Calanoida.

Augaptilus elongatus G.O. Sars, ♀.

— — Sars, 1905, b., p. 13.

Evauq. — Sars, 1925, p. 270: pl. 84, f. 1-13.

--, (= EAUGAPTILUS ELONGATUS), VERVOORT, 1965: 133

Habitat. Station 1639, 1760, 1781, 1815, 1844,  
1849, 1856, Monaco.

Augaptilus facilis Farran

— — Farran, 1908,

— — Wolfenden, 1911, p. 343: pl. 38, figs. 1-2:  
Text-fig. 75, a-b.

Euaug. — Sars, 1925, p. 273: pl. 86, f. 1-15.

--, (= EUAUGAPTILUS F.), VERVOORT, 1965: 141

Habitat. Atlantic.

Calanidae - Calanoida.

Augaptilus filigerus (Claus), ♂. ♀.

= Euaugaptilus filigerus

Hemicalanus — Claus, 1863, p. 179 [27, 29, 39]

Augaptilus — Giesbrecht, 1892, p. 400: pl. 1, 3, n

— — Giesbrecht, 1898, p. 121.

— — Pesta, 1921, p. 533: text f. D. 46

Habitat. Messina - Naples - north  
Atlantic - Malaysia.

- — A. Scott, 1909, p. 136.
- — Wolfenden, 1911, p. 341.
- — Wilson, 1932, p. 135: fig. 92.
- , (= EUANGARTIUS FILIGER), VERVOORT, 1965: 137

Augaptilus fungiferus Steuer - see Euaugaptilus magnus

<sup>Calanidae - Calanoida,</sup>  
Augaptilus gibbus Wolfenden, ♀.

— — Wolfenden, 1904, p. 122; 1911, p. 337:  
pl. 37, figs. 2-3; text-fig. 72, a-d.

Evauq. — Sars, 1925, p. 300; pl. 104, f. 1-16.

--, (= EVAGAPTILUS s.), VERVOORT, 1965: 142

Habitat. English Seas: Atlantic.



Augaptilus glacialis G. O. Sars, ♀, ♂

- Tanaka & Omori, 1971, pp. 249, 259, 260 (figs)
- Sars, 1900, p. 88: pls. 26 & 27.
- Mrazek, 1902, p. 523.
- Sars, 1925, p. 254: pl. 76. f. 1-16.
- , BRODSKY, 1950, p. 367, f. 258.
- , JESPERSEN, 1934, p. 111, W. GREENLAND WATERS. - 1940, p. 57, S. of Iceland.

Habitat. Greenland; Atlantic.

- , VERVOORT, 1951, p. 144, FIGS. 80-81, ANTARTIC WATERS.
- , ITOH, 1970: TAB. 1
- Tanaka, 1964d: 77-79, figs. 212a-i

A. glacialis, Johnson, 1963. pp. 92, 93, 97

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

-- --; Vervoort, 1957, p. 138, fig. 131.

--, Roe, 1972a, pp. 298-

--, VERVOORT, 1965: 130

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

--, MOTODA + MINODA, 1974: 215, 233

-- Deevy & Brooks, 1977: 265

Augaptilus glacialis G. O. Sars, 1900

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-- Mauchline 1988: 702

-- GROENDALH & HERNROTH 1986: 315

-- Sobrevilla, et al 1988: 59 Canary Islands

-- RAZOUKS 1994: 9

-- WILSON, C. B. 1936: 369, CANADIAN ARCTIC.

-- CAMPOS HERNÁNDEZ & SUÁREZ MORALES, 1995: 101

-- ROSE 1934: 54-81, OFF ALGERIA

Calanidae - Calanoida.

Augaptilus gracilis G.O. Sars, ♀.

— — Sars, 1905, b., p. 12.

Euauq. — Sars, 1925, p. 278: pl. 89, f. 1-14.

Habitat. Station 1768, 1794, 1851, Monaco.

Augaptilus hecticus Giesbrecht - see Euaugaptilus

<sup>Calanidae - Calanoidae.</sup>  
Augaptilus lamellifer, Esterly, ♀.

— — Esterly, 1911<sup>①</sup>, p. 329: pl. 26, f. 8; pl. 28, f. 36.

— —, BRODSKY, 1950, p. 371, fig. 260. ?

-- CAMPOS HERNÁNDEZ + SUÁREZ MORALES 1995: 101

Habitat. California Coast.

Calanidae - Calanoida

Augaptilus laticeps G.O. Sars. ♀.

— — Sars, 1905. b., p. 11

Frivaugaptilus — Sars, 1925, p. 264: pl. 80, figs. 1-14.

Habitat. Station 298, 1505, 1549, 1639,  
1760, 1781, 1844, 1849, 1851, 1856.  
Monaco.

Calanidae - Calanoida.

Augaptilus longicaudatus (Claus), ♂, ♀.

Hemicalanus — Claus, 1863, p. 129: pl. 29, fig. 3.

Augaptilus — Giesbrecht, 1892, p. 414, 400:

pl. 27, fig. 31: pl. 28, fig. 2, 8, 19, 23, 31, 35, 38: pl. 39, fig. 37, 48.

— longicaudatus T. Scott, 1894, p. 34: pl. 1, fig. 24-26: pl. 2, fig. 5.

-- Tanaka, Omori, 1971, pp. 249, 260 (fig. 5, b).

Habitat, Atlantic: Mediterranean: Pacific  
Indian.



- Hemicalanus — Carus, 1885, p. 335.  
Augaptilus — Esterly, 1905, p. 188: text-fig. 41, a-d  
— — Giesbrecht, 1889, c, p. 814.  
— — Giesbrecht & Schmeil, 1898, p. 123.  
— — Pesta, 1921, p. 533: text-fig. D 47.  
— — A. Scott, 1909, p. 136.  
— — Wolfenden, 1911, p. 341.  
— — Farran, 1929, p. 269.  
— — Sars, 1925, p. 256: pl. 76, f. 17-18.  
— — Wilson 1942, p. 171-2,  
— —, Brodsky, 1950, p. 367, fig. 257.  
— —, Sewell, 1947, p. 232. c. antarctic Sea  
— —, Jespersen, 1940, p. 57-58. s. of Iceland.

Augaptilus longicaudatus (Claus)

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-- --, Grice, 1962. p. 226, pl. 26, fig. 6-14

-- -- ; Park, 1970, p. 477

-- --, Hure & Scotto di Carlo, 1968, p. 59.

--, Morris, 1970, p. 2301.

--, Roe, 1972a, pp. 298-

--, VERVOORT, 1965: 130-132 SYN. HEMICALANUS LONGICAUDATUS

--, DEEVEY, 1971: TAB. 3

--, ITOH, 1970: TAB. 1

--, OWREN & FOY, 1972: T. 3

--, SCOTTO DI CARLO, ET AL., 1975: TAB. 1

- Tanaka, 1964d: 79-80, fig. 213 a-g

- CALEF + GRICE (UNPUBL.) IN KETCHUM + RUTHER,  
1966 (UNPUBL.): APPENDIX
- SANDER + MOORE 1978: 232.
- GRICE + HART 1967b: TABLE 3, ATLANTIC
- Tanaka, 1965a: 29, fig. 14a-c
- Dewey & BROOKS, 1977: 265
- Hure, 1955: 34
- Hure, 1961: 26
- MAUCLINE 1988: 702
- KIORTSIS ET AL. 1969: 38, AEGEAN

Augaptilus longicaudatus Claus 1863

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

- SUAREZ M. & GASCA 1989c: 94, COSTA RICA DOME
- SUÁREZ, E. ET AL. 1990: 126, W. GULF OF MEXICO
- ALI-KHAN & ALI-KHAN 1984: 303-304, FIGS. 1-6, ARABIAN SEA
- SUÁREZ M., E. 1992: 145, W. GULF OF MEXICO
- SUAREZ & GASCA 1991: 596, GULF OF MEXICO
- CAMPOS HERNÁNDEZ & SUÁREZ MORALES 1995: 96, 101, FIGS. 5 H-J, GULF OF MEXICO, CARIBBEAN

Calanidae - Calanoida.

Augaptilus longicirrus G.O. Sars, ♀.

— — Sars, 1905, b, p. 15.

Euauq. — Sars, 1925, p. 291: pl. 98, f. 1-13.

Habitat. Station 1856, Monaco (1 specimen).

Augaptilus longimanus Sars, ♀.

— — Sars, 1905, b, p. 17.

— — Wolfenden, 1911, p. 340: text-fig. 73, a-c.

Evauq. — Sars, 1925, p. 282: pl. 92, f. 1-17.

--, (= EVAGAPTILUS L.) VERVOORT, 1965: 143

Habitat. Atlantic.

Calanidae - Calanoidae.  
Augaptilus lucidus Esterly, ♂.

— — Esterly, 1911<sup>①</sup>, p. 333; pl. 26, f. 7; pl. 27,  
f. 16; pl. 30, f. 75, 77; pl. 32, f. 105,

Habitat. California Coast.

Augaptilus macrodus Esterly, ♀.

— — Esterly, 1911<sup>①</sup>, p. 332: pl. 27, f. 18: pl.  
29, f. 44: pl. 30, f. 72, 74: pl. 31, f. 87:  
pl. 32, fig. 112.

? Centraugaptilus rattrayi, Sewell 1932, p. 326

Habitat. California Coast.



Calanidae - Calanoida.

Augaptilus magnus Wolfenden, ♀.

— — Wolfenden, 1904, p. 122; 1911, p. 341;  
pl. 37, figs. 4-9; text-fig. 73, a-b.

Evauq. — Sars, 1925, p. 262; pl. 79, f. 1-16.

Habitat. Warm Atlantic.

Augaptilus megalurus Giesbrecht, ♀, ♂ ①

- — Giesbrecht, 1889, c. p. 814. f. 7
- — Giesbrecht, 1892, p. 400: pl. 27, f. 28: pl. 28,  
f. 7: pl. 29, f. 20: pl. 39, f. 47.
- — Giesbrecht & Schmeil, 1898, p. 123.
- Tanaka & Omori, 1971, pp 249, 261.

Habitat. Tropical Atlantic & Pacific.

- , DEEVEY, 1971: TAB. 3
- Bjornberg, 1981: 653, fig 220 # 1
- Deevay & Brooks, 1977: 265

AUGAPTILUS MEGALURUS GIESBRECHT, 1889 Z

- CAMPOS HERNÁNDEZ Y SUÁREZ MORALES, 1995:  
96, 101, FIG. 6 A, GULF OF MEXICO, CARIBBEAN

Calanidae - Calanoida.

Augaptilus nodifrons G.O. Sars, ♀.

Sars, 1905, b, p. 13.

Evavq. — Sars, 1925, p. 267: pl. 82, f. 1-15.

--, (= EUAVGAPTILUS NODIFRONS), VERVOORT, 1965: 133

Habitat. Station 1639, 1768, 1781, 1794,  
1849, 1856, Monaco,

Calanidae - Calanoida.

Augaptilus oblongus G.O. Sars, ♀.

— Sars, 1905, b, p. 11.

Evauq. — Sars, 1925, p. 266: pl. 81, f. 1-16

--, (= EUAGAPTILUS OBLONGUS), VERVOORT, 1965: 139

Habitat. Station 1549, 1768, 1781, 1849,  
1851, Monaco.

Calanidae - Calanoida.

Augaptilus palumboi Giesbrecht, ♀.

— — Giesbrecht, 1889, c.p. 813.

— palumboi Giesbrecht & Schmeil, 1899, p. 122.

— — Cleve, 1904, p. 185.

— — Stebbing, 1910, p. 538.

Habitat, So. Atlantic.

- — Giesbrecht, 1892, p. 400: pl. 27, f. 32.  
pl. 28, f. 3, 15, 17: pl. 39, f. 39, 50.
- palumboi A. Scott, 1909, p. 137.
- — Wolfenden, 1911, p. 340.
- Evauq. — Sars, 1925, p. 302: pl. 105, f. 9-19.

Calanidae - Calanoida

Augaptilus placitus A. Scott, ♀.

— — A. Scott, 1909, p. 137: pl. 42, figs. 10-19.

Euaugaptilus laticeps; Vervoort, 1957, p. 159, fig. 131.

Habitat. Malaysia.



Caranidae - Caranoida  
Augaptilus pyramidalis Esterly, ♂. ♀.

— — Esterly, 1911<sup>o</sup>, p. 334; pl. 26, f. 1, 9;  
pl. 30, f. 69; pl. 32, f. 106.

Centraugaptilus horridus, Sewell 1932, p. 326

-- Tanaka & Omori, 1931, p. 263.

Habitat, California Coast.

--, (= CENTRAUGAPTILUS <sup>HORRIDUS</sup> ?), VERVOORT, 1965: 147

Calanidae - Calanoida.

Augaptilus rattrayi T. Scott, ♀.

— — T. Scott, 189<sup>3</sup>~~7~~, p. 36: pl. 2, fig. 25-37.

— — Giesbrecht & Schmeil, 1898, p. 122.

— — Wolfenden, 1911, p. 391.

Centraug. — Sars, 1925, p. 304: pl. 106, f. 1-14.

-- Tanaka & Omori, 1971, pp. 261

Habitat. Gulf of Guinea: North Atlantic.

-- (= CENTRAUGAPTILUS R.), VERHOORT, 1965: 145.

Calanidae - Calanoida.

Augaptilus romanus Esterly, ♂.

— — Esterly, 1913, p. 188; pl. 10, §. 7, 24:  
pl. 11, §. 30, 32; pl. 12, §. 45, 47, 52.

-- E. SUAREZ M., 1991b, 239, = EUAUGAPTILUS

FILIGERUS

Habitat. California Coast.

Calanidae - Calanoida,  
Augaptilus rostratus Esterly, ♀.

— — Esterly, 1906, p. 73: pl. 9, f. 19: pl. 11,  
f. 42: pl. 12, figs. 57, 63: pl. 13, f. 75.

Habitat. Pacific, California coast.

Calanidae - Calanoida.

Augaptilus simplex Esterly, ♀.

- — Esterly, 1913, p. 188: pl. 10, §. 10, 28.  
pl. 11, §. 34, 36, 41: pl. 12, §. 50, 60.  
— — Wolfenden, 1911, p. 395: text-fig. 76, a-d.

(over)

-- (= EAUGAPTILUS NODIFRONS), VERVOORT, 1965: 133

Habitat. California Coast.

The two species appear to be identical, but if so  
Wolfenden must be credited with the new species.

Augaptilus spinifrons G.O. Sars. ♀ ♂. ①

— — Sars, 1907, p. 20

— — Sars, 1925, p. 258: pl. 77, f. 10-18

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

-- --, Hure & Scotto di Carlo, 1968, p. 59.

Habitat. Temperate Atlantic.

--, Morris, 1970, pp. 2301, 2316, fig. 10.

- Deevay & Brooks, 1977: 265

-- KIORTSIS ET AL. 1969: 37-, AEGEAN

AUGAPTILUS MINIFRONS G.O. SARS, 1907

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Calanidae - Calanoida.

Augaptilus squamatus Giesbrecht. ♀.

- — Giesbrecht, 1889, c.p. 814. 22, 25, 34
- — Giesbrecht, 1892, p. 400: pl. 28. f. 1, 12, 18,
- — Giesb. & Schmeil, 1898, p. 121.
- — Wolfenden, 1911, p. 341.

Habitat. Indian Ocean: Atlantic.

Euclogaptilus - Sars, 1925, p. 261: pl. 78, f. 1-13.

--, (= Euclogaptilus squamatus), Vervoort, 1965: 133

Calanidae - Calanoida

Augaptilus subfiligerus Wolfenden

— — Wolfenden, 1911, p. 343.

Habitat. Atlantic.

Calanidae - Calanoida

Augaptilus tenuicaudis G.O. Sars, ♀.

— — Sars, 1905, b, p. 15.

Evang. — Sars, 1925, p. 292: pl. 99, f. 1-14.

Habitat. Station 1849, Monaco (1 specimen).

Calanidae - Calanoida.

Augaptilus truncatus G.O. Sars, ♀.

— — Sars, 1905, b., p. 14.

Evang. — Sars, 1925, p. 269: pl. 83, f. 1-13.

Habitat. Station 1856, Monaco (1 specimen).

Augaptilus validus A. Scott - see Euaugaptilus magnus

Calanidae - Calanoida,  
Argaptilus zetesios Wolfenden, ♀.

— — Wolfenden, 1902, p. 369<sup>-370</sup>; pl. 3, fig 1-13.

— — Wolfenden, 1904, p. 122.

— — Fowler (Wolfenden), 1903, p. 125.

A. glacialis; Vervoort, 1957, p. 138, fig. 131.

Habitat. English Seas

— Tanaka & Omori, 1971: 259

Augaptilus sp.

-- Tranter 1977: 598.



Augaptilus sp.

--, Frucht1, 1924, p. 54