

SUPERFAM. EUCALANOIDEA - CALANOIDA

EUCALANIDAE GIESBRECHT, 1892

- MAUCKLINE 1988: 699, 723-
- GELETIN 1976: 92, RHINCALANINAE N. SUBFAM.;
SUBEUCALANINAE N. SUBFAM.; 91, PAREUCALANUS
N.G., SUBEUCALANUS N.G.

CALANOIDA - EUCALANIDAE
EUCALANINAE GIESBRECHT, 1892

- GELETIN 1976: 92, SENSU RESTRICTO
(CREATED 2 NEW SUBGENERA)

SUPERFAMILY FUCALANOIDEA PIESBRECHT, 1891

- MAUCHLINE 1988: 699, 723-

Eucalanus

Calanellidae - Calanoida

Dana, 1852.

E. elongatus

- Syn. Eucalanus Streets, 1877, p. 139.
Calanella Claus, 1863, pp. 168, 174.
Eucalanus Wheeler, 1901, p. 166.
Eucalanus Dana, 1852, p. 1082. [p. 278
Calanus, (pars), Dana, 1849a, p. 11: 1849,
Eucalanus, (pars), Tubbock, 1856, p. 13: 1860,
Eucalanus Claus, 1881, p. 325. [p. 160
Eucalanus Brady, 1883, p. 37.

not

Eucalanus Giesbrecht, 1888, p. 333; 1892,
p. 46, 131, 739; 1895, p. 246; 1898, p. 10.

Eucalanus Eisterly, 1905, p. 130.

Calanus Leuckart, 1859, p. 260.

Calanella Car, 1884, p. 1888, c. p. 139

Eucalanus Thompson, 1888, a. p. 148: ^

Eucalanus Giesbrecht, 1892, p. 131.

Calanella Claus, 1863, p. 174; 1866, pl. 5.

Eucalanus Pesta, 1921, p. 497.

not

Eucalanus Dana, 1852

(2)

superspecies, Fleminger, 1972: 86

--, TANAKA, 1956a: 265

--, MAUCHLINE & NEMOTO, 1977: 108, 114

--, Moore & Sander, 1976, p. 594 (tbl. 3 for @ species listed)

—, Gardner & Szabo, 1982, p. 25, 151.

—, Nishida, 1984: 36, 38

— KOGA 1984b: 95, 147-148 - NAUPLIUS

— ARCOS & FLEMINGER 1986: 170, 172: ACCEPT

GELETIN'S 1976 REVISION INTO EUCALANUS s. str.,

SUBEUCALANUS +

PAREUCALANUS.

Eucalanus Dana, 1852

card 3

- Mauchline 1988: 723, fig. 15b, pore signature
- LANG, B.T. 1965: "elongatus" - group
- ELONGATUS - GROUP, BJÖRNBERG, T. 1986 (IN KABATA ED.): 200
- , 4 spp. - GROUPS - BJÖRNBERG, T. 1986b: 234
- VYSHKVAITZ EVA 1989b: 14-

EUCALANUS S. STR. GELETIN, 1976

- , ARCOS + FLEMINGER, 1986: 172, INCLUDES
"ELONGATUS"-GROUP OF FLEMINGER, 1973:

E. ELONGATUS, HYALINUS, INERMIS, BUNGII,
CALIFORNICUS

- FLEMINGER 1986: 94

Eucalanus acus Farran, ♀.

— — Farran, 1929, p. 218: fig. 3, text.

Eucalanus longiceps, Sewell 1929, p. 50

E. acus = E. longiceps; see Vervoort, 1957, p. 33

—, TANAKA, 1956a: 266

-- VORONINA 1975: 60-87, SOUTH ATLANTIC

Habitat. South Atlantic.

Calanidae,

Eucalanus atlanticus Wolfenden,

--, Corral, 1970, p. 72

— — Wolfenden, 1904, p. 113: pl. 9, figs. 3-4.

--, Sato, 1913, in no. 8

A synonym of Eucalanus elongatus Dana
(With, 1915, p. 48)

Sewell 1939 1929, p. 50

Eucalanus attenuatus (Dana) - see Pareucalanus

Eucalamus bungii Giesbrecht

Eucalamus elongatus bungii, Giesbrecht 1892, p. 149 ♀

Eucalamus bungii, M. Johnson, 1938, p. 167 ♂

E. bungii bungii, M. Johnson, 1938, p. 167, fig. 23
figs. 4-10, 18, 20, 25 ←

E. bungii, Cameron, 1957, p. 183. Queen Charlotte Is.

-- --, Brodsky, 1962. p. 105

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

--, Heinrich, "The life histories...", p. 16

--, Fulton, 1968, p. 34, some refs. syns. of *E.b.bungii*

--, Vinogradov, 1960, p. 500

--, GELETIN, 1976: 77, 81

- , Meshcheryakova, 1970, p. 97
- , Meshcheryakova, 1970, p. 112
- , Meshcheryakova, 1964, p. 150
- , Vinogradov, 1970, p. 114
- , Fleminger, 1973, pp. 967-971, 977-979, 987-990, 998,
fig. 1
- , Frolander, 1962, p. 662.
- , Bjornberg, 1963: 100 (table)
- , TANAKA, 1956a : 268
- , Kos, 1977: 42, 51
- , VUSHKVARTZOVA, 1976: 33
- , ^{ITOH,} ~~KATSUNAKO~~, 1970: TAB. 2
- , JOHNSON, 1956b : 380
- , JOHNSON, 1956a : 5, 6, 14; FIG. 4-6; TAB. 1, 6

Eucalanus bungii

card 2

- , Brodskij, 1958, p. 28
- , Gardner & Szabo, 1982, p. 25, 152-153, fig. 9.1.1
- , Uye, 1982, p. 5-7
- , PETERSON & MILLER, 1977: 718
- TURNER ET AL. 1984: 199
- Tanaka, 1965a: 13, fig. 5a-d
- , ARCOS & FLEMINGER, 1986: 172: MEMBER,
EUCALANUS S. STR. GELETIN, 1976
- VYSHKVA RTZ E VA 1972b: 163, 164

Eucalanus bungii Giesbrecht

card 3

-- Marin 1986:140-

-- TURNER 1984d: 7-

-- MILLER + NIELSEN 1988: 276, SUBARCTIC PACIFIC

-- MILLER + CLEMONS 1988: 312, SUBARCTIC PACIFIC

-- BOTTGER 1985: 212-

-- DAGG 1991: 217-, N. PACIFIC OCEAN

-- STEINBERG 1993: 31-

Eucalanus bungii bungii Johnson

- Mindoda, 1972, p. 323-330.
----- Johnson 1938, p. 167, fig. 23
-- --, Anraku, 1954, pp. 123-134..Aleutian Is.
-- --, Anraku, 1954, pp. 1-8 N W Pacific
-- --, Furuhashi, 1961. p. 8
-- --, Johnson, 1963. pp. 92, 93, 97
-- --, Omori, 1965. pp. 18-27
-- --: Vaupel-Klein, 1970, pp. 7-8.
-- --, Heinrich, 1968, *passim*
-- , Chiba, 1956, p. 40
-- , Okada & Taniguchi, 1971, p. 33
-- , Omori & Tanaka, 1967, p. 63-71.
-- , JAWED, 1973 : 3, 7-104

E. bungii bungii

fig. 1,

- , Fulton, 1968, p. 34, some refs. of E. elongatus & bungii are syns.
- , Fleminger and Hulseman, 1973, p. 343.
- , Beklemishev, 1961, p. 155
- , Morris, 1970, pp. 2300 & 2302.
- , Furuhashi, 1966: 297-300, 302, 304, 306, 308, 311, 317-319, 320
- , Furuhashi, 1961: 75, 76, 101
- , TANAKA, 1956: 266, 267-268 SYN: E. ELONGATUS BUNGII; E. GIESBRECHTI, MORI, 1937; E. ELONGATUS, VERVOORT, 1947
- , HIRAKAWA, 1976: 71-77; FIGS. 2-5
- , FIGUEIRA 1971: 146-147.

Eucalanus bungii bungii, Johnson 1938³

---, Johnson 1938?: FIGUEIRA 1971: 147.

---, SEKIGUCHI, 1984: 43.

---, MOTODA & MINODA, 1974: 211, 212, 217, 228, 232, FIG. 10.

--- Gordon, et al, 1985: 91-92, table 2-3

--- UEDA 1987: 65

--- LANG, B. T. 1965:

--- LANG, B. T. 1967: 93-102, FIGS. 1(13-15), DISTRIBUTION

--- SAMSTEDT 1986: 11-

--- BUNGI SARGENT & HENDERSON 1986: 66-

Eucalanus bungii bungii Johnson, 1938

card 4

--- Shih et al. 1971:147, Canada - Pacific; 204-ARCTIC

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

EUCALANUS CRASSUS GIESBRECHT -

SEE SUBEUCALANUS

Eucalamus bungii var. *californicus* Johnson /

- M. Johnson 1938, p. 169, fig. 22
E. Bungii californicus, Furuhashi, 1961. pp. 5,7,8,
-- -- --, Honjo et al, 1957. pp. 120-128
-- , Fleminger and Hulseman, 1973, p. 343.
-- , Beklemishev, 1961, p. 140-, 153-
-- , Morris, 1970, p. 2300.
-- , Furuhashi, 1966: 297, 298, 301, 302, 304, 306, 311
-- , Furuhashi, 1961: 74, 100, 105
-- , TANAKA, 1956a : 265, 266, 268-269 FIG. 5 340: E. ELONGATUS,
ESTERLY, 1905.
-- , JAWED, 1973: 3

- , FIGUEIRA 1971: 147.
- californicus, Gardner & Szabo, 1982, p. 25, 154-155
- Motoda & Marumo, 1963: 49
- KOOA 1984b: 127, 148, FIG. 32 - NAUPLII; 185;
FIG. 61 (2).
- LANG, B.T., 1967: 93-102, FIGS. 1 (10-12), DISTRIBUTION
- LANG, B.T. 1965:
- SHIH ET AL. 1971: 147, CANADA - PACIFIC

Eucalanus californicus Johnson, 1938

- , Fleminger, 1973, pp. 967-, 987-990, figs. 1 & 13.
- , GELETIN, 1976: 77, 91
- , Gardner & Szabo, 1982, p. 25, 154-155, fig. 9.1.2
- , Arcos & FLEMINGER, 1986: 172: MEMBER,
EUCALANUS S. STR. OF GELETIN (1976)
- Dawson & Knatz, 1980: 59, pl. 46, fig. a-f.
- JIMENEZ PEREZ 1989: 91; BAHIA DE TODOS
 SANTOS, BAJA CALIFORNIA
- ALVARIÑO 1989: 69-, OFF S. CALIFORNIA

Eucalanus californicus Johnson, 1938

card 3

-- Ohman 1988a:143-, California Current

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

Eucalanus cornutus Sars, 1912

--, Corral, 1970, p. 81

~~48, Jochberg, 4968: 39~~

EUCALANUS CRASSUS - SEE SUBEUCALANUS

Eucalanus danai Lubbock, ♀.

— — Lubbock, 1860, p. 6: pl. 29.

— — Giesbrecht, 1892, p. 132, undetermined

— — Giesbrecht & Schmeil, 1898, p. 22,

Habitat. Gulf of Guinea.

EUCALANUS DENTATUS A. SCOTT -

SEE SUBEUCALANUS DENTATUS

Eucalanus elongatus (Dana), ♂.♀.

Calanus — Dana, 1848, p. 18; 1849, p. 278.

Eucalanus Cleve, 1900, p. 141.

— — Streets, 1877, p. 139. [2, 7, 12, 20, 25, 32, 36]

— — Giesbrecht, 1892, pp. 131, 149; pl. 11, 8.

Habitat. Mediterranean: Indian Ocean
N. Atlantic: Pacific: Antarctic

- Eucalanus spinifer* T. Scott, 1894, p. 29, pl. 1, f. 15-23.
— *elongatus* Giesbrecht, 1895, p. 248; 1888, p. 333.
— — Giesbrecht & Schmeil, 1898, p. 20
— — Aurivillius, 1898, p. 29.
— — Cleve, 1901, p. 6; 1904, p. 189.
— — I. C. Thompson, 1903, p. 15.
— — Wolfenden, 1904, p. 127.
— *atlanticus*, n. sp., Wolfenden, 1904, p. 113; pl. 9, f. 3-4.
— *elongatus* Esterly, 1905, p. 131; fig. 6, a-d (text).
— — T. Scott, 1905, p. 222; Pearson, 1906, p. 6.
— — Farran, 1905, p. 30; 1908, p. 21;
— — G. O. Sars, 1906, p. 2.

E. elongatus (2)

- E. elongatus* v. Bremen, 1908, p. 15: fig. 10 (text)
— — Wolfenden, 1908, p. 29: 1911, p. 204.
— — Farran, 1910, p. 93: pl. 14.
— — With, 1915, p. 48: pl. 1, f. 5, a-d: text fig. 9, a-f
— — Giesbrecht & Schmeil, 1898, p. 20
— — Stebbing, 1910, p. 521.
— — Esterly, 1908, pp. 1-55: pls. 1-6.
— — Esterly, 1912, pp. 281 ff.
— — Esterly, 1905, p. 131: text-fig. 6, a-d.
Calanus Dana, 1852, p. 1079: pl. 75, f. 1, a-b.

- Calanus erythrochilus* Leuckart, 1859, p. 260: pl. 6.
Calanella hyalina Claus, 1866, p. 8: pl. 5. f. 22 (pars)
Eucalanus attenuatus Brady, 1883, p. 38: pl. 2, 6. n
— *elongatus* Aurivillius, 1898, p. 29.
— — Pesta, 1921, p. 498: text-f. A 6
— — Wolfenden, 1911, p. 204.
— — Farran, 1929, p. 218
— — Sars, 1925, p. 20.
— — Rose, 1929, p. 14.
— — Cleve, 1900, p. 63.
— — Wilson, 1932, p. 31: fig. 15: Jespersen, 1934, p. 46.
— — and varieties — John-son 1938, pp. 165-180: 28 figs.
— — Wilson 1942, p. 184

Eucalanus elongatus-3

———→ Sewell, 1932, p. 48, fig. 13, Indian O. abnormal
 -- -- , Anraku, 1954, PP. 1-8.. N W Pacific
 -- --, Vervoot, 1946, pp. 84-95, Snellius Expedition.
 — —, MORI - 1937 - P. 2d - JAPAN.
 — —, SEWELL, 1947, P. 44
 — —, Jespersen, 1940, p. 11. Iceland.
 -- --, Furuhashi, 1961. pp. 4, 7, 8
 -- --, Honjo et al, 1957. pp. 120-128
 -- --, Decker, 1964. p. 22. South Africa
 -- --, ~~Burg~~ Brodsky, 1964. pp. 105-106, fig. 8
 — —, Currie, 1962

= E. bongii bong
(TANAKA, 1956 a)

E. elongatus, Colton et al, 1962. p. 168.

- - Bjoroberg, 1967, p. 59

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

--- --, Shmeleva, 1963, p. 141

--- --, Gilat, Kane & Martin, 1965, pp. 13-20

--- --; Vervoort, 1957, p. 32-33.

--- Bradford, 1970 p. 347

---; Hure & Scotto di Carlo 1968: 36

---, OWREN & FOYO, 1970: TAB. 3

---, OWREN & FOYO, 1964: 362

---, SCOTTO DI CARLO, ET AL., 1975: 184; TAB. 1

Eucalanus elongatus (Dana, 1848)

card 4

--, Chiba, 1956, p. 40

--, Bradford, 1972, p. 32, fig. 4.13-4.14

--, Corral, 1970, pp. 72-73, pl. 7.

--, DeDecker, 1962, p. 108

--, Berdugo & Kimor, 1968, p. 448

--, Bernard, 1970., p. 124, 127,

--, Paiva, 1971, p. 15-16

--, Rose, 1955, p. 391

--, Rose, 1956, p. 459

--, Seno, Komaki & Takeda, 1963, tab. 2, fig. 4

— Heberer, 1930: 155-193, fig. 1-17

- , Stormer, 1929, p. 46
- , Sato, 1913, no. 8, pl. 2
- , Vaissiere, 1961, pp. 10-19, figs. 1-4
- , Ehrhardt, 1967, p. 737-
- , Fulton, 1968, p. 34, some refs. syns. of E. bungii
bungii
- , Brodsky, 1972, p. 228
- , Fleminger and Hulseman, 1973, pp. 339, 340, 343.
- , Beklemishev, 1961, p. 142
- , Ostapenya & Shushkina, 1971, p. 195
- , Cushing, 1951, p. 175
- , Bowman, 1971, p. 5-
- , Fleminger, 1973, pp. 967-, 987-990, figs. 1 & 13.

Eucalanus elongatus (Dana, 1848)

card 5

- , Roe, 1972a, pp. 293-
- , Roe, 1972b, pp. 317, 323-324. (= E. elongatus hyalinus)
- , Roe, 1972d, p. 1043.
- , Vives, 1972, pp. 207-8.
- , Furuhashi, 1966: 302, 304, 308, 311
- , Furuhashi, 1961: 74, 76, 105
- , Bjornberg, 1963: 22, 9, 23, 104 (table 7), table 10, 115
- , TANAKA, 1956a: 265, 266, 267, 268
- , VERVOORT, 1947 = E. BONGII BONGII (TANAKA, 1956a: 267)
- , ESTERLY, 1905 = E. BONGII CALIFORNICUS (TANAKA, 1956a: 265)
- , FIGUEIRA 1971: 147.

- FLEMINGER, 1975: TAB. 1
- GELENN, 1976: 77, 78, 81, 87, 88, 89, 90, 91, 92
- DEEVEY, 1971: 229; TAB. 3
- BINET & DESSIER, 1971: 420, 451,
- BEAUDOUIN, 1973: 125, 129-132, 167, 168; Figs. 5, 6;
TAB. 1
- ITOH,
KATSUKI, 1970: TAB. 1
- FASHAM, ET AL., 1974: TAB. 1, 4, 9
- JAWED, 1973: 60-62, 70, 72-74, 77, 78, 88, 94, 95, 99-104.
- CALEF & GRICE (UNPUBL.) IN KETCHUM & RYHER,
1966 (UNPUBL.): APPENDIX
- Qing-Chao & Shu-Zhen 1974: 104; Figs. 6-7.

Eucalanus elongatus (Dana, 1848)

- Marques, 1947: 35
- Marques, 1958: 206
- , Chiba & Hirakawa 1972: 74, 78; Tab. 2.
- , Marques, 1953, p. 92-95.
- , Madhupratap, et. al., 1981: 266-267
- , Grice & Hulsemann, 1968: tb. 2
- Chen et al, 1977: passim.
- Chen, 19--: 208
- Chen, Chen, Zhang, 19--: 76
- Chen, Zhang, Chen, 19--: 81

Ramirez, 1969: 45-47, fig. 43-44

- MASSUTI + NAVARRO 1950: 20.

- NIVAL + NIVAL 1973: 135-144.

- TRANTER 1977: 593-625.

- SANDER + MOORE 1978: 232.

- KOOA 1968: 17, 18, PL. I FIGS. 9, 10 - EGG

- KOOA 1973: 33, FIG. 4-9, 10 - EGG

- KOOA 1984b: 147, 148, 185

- GRICE + HART 1962b: TABLE 3, W. NORTH ATLANTIC

- DUSSART 1984e: FIG. 1

- DAKIN & COLEFAX, 1940: 95⁹⁶, fig. 125a-c.

- TANAKA, 1965a: 13, fig. 4a-d

EUCALANUS ELONGATUS (DANA, 1848)

CARD 7

--, ARCOS & FLEMINGER, 1986: 172: MEMBER,

EUCALANUS S. STR. GELETIN, 1976 (type-species??)

--, MADHUPRATAP & HARIDAS, 1986: 108, 109, DISTRIBUTION
INDIAN OCEAN

— Kolesnikov & Alfonso, 1966: table 3

-- SCHRAM 1986: 465, FIG. 37-11

-- MICHEL ET AL. 1986: 20, 25, 35 - ARABIAN GULF

— Hure, 1955: 22

— Hure, 1961: 15

- Heberer, 1932: 265, passim, fig. 33, 35, 36, 38-40
- SAZHINA 1975: 79-85
- Sarkar, et. al., 1986: 177, 178
- Turner & Ferrante, 1979: 673 feeding
- REGNER 1987: 373, ADRIATIC
- LANG, B.T. 1967: 93-102, FIGS. 1(4-6), DISTRIBUTION
- ELONGATUS, LANG, B.T. 1965
- STEPHEN 1984: 169, ARABIAN SEA
- BAMSTEDT 1986: 11-
- ~~DUDLEY, P. 1986: 16, FIG~~
- BLADES-ECKELBARGER 1986: 43

Eucalanus elongatus (Dana, 1848)

card 8

- Björnberg, T. 1986b: 233-, fig. 8, NAUPLIUS
- CHEN, Q-C 1986: 526 -
- PAPPENHOFER & STEARNS 1988: 36
- Soldevilla, et al 1988: 57 Canary Islands
- GIBBONS 1938: 494-,
- UMMAER KUTTY 1966d: 303, SE INDIA COAST
- BAMSTEDT 1988: 56
- MARUKAWA 1921: 7-, JAPAN
- HUNTLEY & BOYD 1984: 458 -

Eucalanus elongatus (Dana, 1848)

card 9

- Roe 1974: 103-, N. Atlantic
- COPLEY ET AL. 1989: 12-, NW ATLANTIC
- SHIH ET AL. 1971: 39, CANADA-ATLANTIC; 147,
- PACIFIC
- LAKKIS 1984: 289-, E. MEDITERRANEAN
- SUÁREZ, E. ET AL. 1990: 124-, W. GULF OF MEXICO
- ~~GURAK~~
- REID 1990: 187
- SCHULZ 1990: 188, DEEP GULF OF ADEN

Eucalanus elongatus (Dana, 1848)

card 10

Paracalanus -, Duka 1969: 209-, Black Sea, as fish food

E. -, SUÁREZ M. 1992: 131-, GULF OF MEXICO

E. -, SUÁREZ + GASCA 1991: 596-, GULF OF MEXICO

E. -, RAZOULS 1994: 10

E. -, GISLASON + ASTTHORSON 1992: 221, TAB. 1, OFF
ICELAND.

E. -, ROSE 1927: 145, OFF ALGERIA

E. -, ROSE 1934: 54-81, " "

E. -, ALVAREZ-SILVA 1996: 19, TAB. 2, VERACRUZ, MEXICO

EUCALANUS ELONGATUS BUNGII

- , TANAKA, 1956a: 265, 266, 268
— bungii, Gardner & Szabo, 1982, p. 25, 152-153
— --, KOGA 1984b: 103, 147, 148, 185; 119, FIG. 11-9, 10-
EGG
---, LANG, B.T. 1967: 93-102, FIGS. 1(13-15), DIST.
---, DUDLEY, P. 1986: 16-, FIG. 4b
-- BUNGHII, UMMERKUTTY 1966d: 303

Eucalanus elongatus hyalinus Giesbrecht

----- Giesbrecht 1892

----- Johnson 1938, p. 165, figs. 3, 17, 19, 21, 2

— —, BRODSKY, 1950, P. 103, FIG. ²⁹30. USSR

-- -- Vervoort, 1963, pp. 78-194.

-- --, Park, 170, p. 474

— —, Heinrich, 1968, p. 232

--, Corral, 1970, p. 72

--, Fleminger and Hulseman, 1973, p. 343.

--, Beklemishev, 1961, p. 155

--, Morris, 1970, p. 2300.

--, Roe, 1972a, pp. 323-4.

--, TADAKA, 1956a: 265, 266

--, LANG, B. T., 1967: 93-102, FIGS. 1 (1-3), DISTRIBUTION

--, LANG, B. T. 1965:

-- GUEREDRAT 1971a: 300, EQUATORIAL PACIFIC

EUCALANUS ELONGATUS INERMIS

- , TANAKA, 1956a: 265, 266
---, LANG, B.T. 1967: 93-102, FIGS. 1 (7-9), DISTRIBUTION
---, LANG, B.T. 1965

EUCALANUS GIESBRECHTI MORI 1937

— — MORI - 1937 - P. 22 -

— — ; x see Vervoort, 1957, p. 32. (= E. ELONGATUS)

-- , TANAKA, 1956a : 265, 268 (= E. BUNGI BUNGI)

HABITAT : JAPAN

Eucalanus hyalinus (Claus, 1866)

- , Fleminger, 1973, pp. 967-, 987-990, figs. 1 & 13.
- , GELETIN, 1976: 77, 78, 79-81
- , Gardner & Szabo, 1982, p. 25, 156-157, fig. 9.1.3
- Bjornberg, 1981: 619, fig. 206 #4
- ARCOS & FLEMINGER 1986: 171-184, FIG. 23;
IN EUCALANUS s. str. GELETIN, 1976
- , MADHUPRATAP & HARIDAS, 1986: 108, DISTR.-
INDIAN OCEAN
- Dawson & Knatz, 1980: 61, pl. 48, fig. a-f.
- Deavey & Brooks, 1977: 263
- DeDecker, 1984: 315

Eucalanus hyalinus (Claus, 1866)

card 2

-- Paffenhöfer & Lewis 1989:129-136, naupliar feeding;
SE USA shelf

-- RODRÍGUEZ + VIVES 1984: 242, MÁLAGA
HARBOR

-- CUMMINGS 1982: 32, GULF OF MEXICO

Eucalanus inermis Giesbrecht

CARD 1

E. elongatus inermis Giesbrecht, 1893, p. 149

E. inermis, Johnson 1938, p. 170, figs. 1, 2, 11-16, 26
♂ ♀

-- , BRODSKY, 1950, P. 102, FIG. 28, U.S.S.R.

--, Fleminger and Hulseman, 1973, pp. 339, 343.

--, Beklemishev, 1961, p. 155

--, Arcos, 1975, p. 11, figs. 12-16. (in Appendix)

--, Fleminger, 1973, pp. 967-971, 987-990, 998, 1005,
figs. 1 & 13.

--, FLEMINGER & HULSEMAN, 1974: 112

--, GELETT, 1976: 81, 91

EUCALANUS INERMIS GIESBRECHT

CARD 2

- HERMAN 1984: 131, 133, 135, 137, 141-145
- ARCOS & FLEMINGER 1986: 171-185, FIG. 177;
IN EUCALANUS S. STR. GELETIN, 1976
- LE BORGNE 1986: 120-
- HEAD ET AL. 1986: 283-
- JIMENEZ-PEREZ ~~1988: 126~~ & LARA-LARA 1988:
126-, GULF OF CALIFORNIA
- TURNER 1984d: 7-

EUCALANUS LANGAE FLEMINGER -

SEE PARUCALANUS LANGAE

EUCALANUS LONGICEPS MATTHEWS —

SEE SUBEUCALANUS LONGICEPS

— De Decker, 1984: 315

Eucalanus mastigophorus Claus, ♂, ♀. Calanidae.

Calanus — Claus, 1866, p. 10: pl. 1, fig. 1: pl. 5, figs. 20 & 21

Eucalanus — Claus,

— — Carus, 1885, p. 333.

— — Claus, 1881, b, pl. 2, figs. 10-16: p. 14.

Habitat: Mediterranean.

— — Car, 1884, p. 239.

— — Thompson, 1888, c, p. 139

— — Gourret, 1889, p. 474.

= *Clausocalanus arcuicornis* Giesbrecht, 1892, p. 186.

EUCALANUS MONACHUS GIESBRECHT-

SEE SUBEUCALANUS MONACHUS

—Deerey & Brooks, 1977: 263

—De Decker, 1984: 315

EUCALANUS MICRONATUS GIESBRECHT -

SEE SUBEUCALANUS MICRONATUS

~~DeDecker, 1984: 315~~

~~Greenwood, 1982b: table 3~~

~~Kimmerer, et al, 1985: table 4 Australia~~

Calanidae-Calanoida

Eucalanus muticus Wilson

Wilson, C.B., 1950, pp. 209-211, Pl. 7, figs. 63-69.
--, Bjornberg, 1963: 104 (table & 7)

.002 in. 394

Eucalanus nasutus Sars, 1912

--, Corral, 1970, p. 82

Eucalanus oculus Marukawa, ♀

— — Marukawa, 1921, p. 11: pl. 4, figs. 1-14.

— —, BRODSKY, 1950, p. 105, FIG. 31, USSR.

--, (= E. crassus), TANAKA, 1956a: 265, 266, 269

Habitat. Northern Japan.

EUCALANUS PARKI FLEMINGER —

SEE PARAEUCALANUS PARKI

EUCALANUS PILEATUS GIESBRECHT -
SEE SUBEUCALANUS PILEATUS

~~De Decker, 1984: 315~~

~~Greenwood, 1982b: table 3~~

~~Kimmerer, et al, 1985: table 4~~ Australia

~~Turner & Ferrante, 1979: 671~~ feeding

~~Ayukai, 1987: 584, 585, 586~~

Eucalanus pseudattenuatus Sewell, 1947,
pp. 40 - 43, Text-fig. 7A, 8A-F. Arabian Sea.

— —, Krishnaswamy, 1956, p. 452. ♀. Madras coast.

-- --, Brodsky, 1962. pp. 112-113, fig. 13

--, Rose, 1956, p. 459

--, Andronov, 1973, p. 1719

—, Fleminger, 1973, PP. 967-8, 989-990, (Syn.

E. attenuatus)

— Chen, Zhang, Chen, 19-- : 65

--, GREENWOOD, 1976: 10

--, GELETTN, 1976: 76, 77, 83, 85

- , DEEVEY, 1971: TAB. 3
- Chen, 1980: table 1
- WICKSTEAD 1962: 546.

EUCALANUS QUADRISSETOSUS

--, GELETIN, 1976: 76

fam. Eucalanidae

Eucalanos [sic] saravatae Oliveira, 1945,
p. 456, pl. 3, fig. 4 [♀ dorsal].

Rio de Janeiro.

Calanidae - Calanoida.

Eucalanus setiger Brady, ♀.

— — Brady, 1883, p. 39: pl. 3, figs. 8-15

— — T. Scott, 1894, p. 30.

— — Thompson, 1888, a, p. 148.

— — Giesbrecht, 1892, p. 132, undetermined.

Habitat. Gulf of Guinea: Canary Isles: Mat.
Australia: Philippines: Cape Verde Islands.

— — Giesbrecht & Schmeil, 1898, p. 22.

EUCALANUS SEWELLI FLEMINGER, 1973 -

SEE PARUCALANUS SEWELLI

- Deerey & Brooks, 19~~77~~:263

Calanoida - Calanidae

Eucalanus spinifer T. Scott.

— — T. Scott, 1894, p. 29: pl. 1, figs. 15-23.

--, Corral, 1970, p. 72

A synonym of Eucalanus elongatus Dana
(With, 1915, p. 48)

EUCALANUS SUBGRASSUS GIESBRECHT -

SEE SUBEUCALANUS SUBGRASSUS

- ~~Deerway, ^{Brooks} 1977: 263~~
- ~~De Decker, 1984: 315~~
- ~~Greenwood, 1982a: 53~~
- ~~Greenwood, 1982b: table 3~~
- ~~Kimmer, et al, 1985: table 3 Australia~~

EUCALANUS SUBTENUIS GIESBRECHT;

SEE SUBEUCALANUS SUBTENUIS

— A. Scott, 1902: 401

— Deerey & Brooks, 1977: 263

— De Decker, 1984: 315

— Greenwood, 1982b: table 3

Eucalanus tenuis

--, Rose, 1956, p. 459

Calanidae - Calanoida.
Eucalanus radicola Dahl, ♀, ♂.

— — Dahl, 1894, p. 20. No. figs.

— — Giesbrecht & Schmeil, 1898, p. 21.

--, Bjornberg, 1963: 21 (a synonym of *E. monachus*)

Habitat. Tocantins

Eucalanus sp.

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- , Pesta, 1928, p. 6, fig. 5
- , Seno, Komaki & Takeda, 1963, tab. 2
- , Frucht1, 1924, p. 34
- spp., BAYLY, 1965: 339
- sp., JAWED, 1973: 80, 92
- spp., ANDRONOV & MAIGRET 1980: 71, 74-75.
- , Hempel, et al., 1983, p. 18
- , MOTODA + MINODA, 1972: 213
- WICKSTEAD 1962: FIG. 1 F.

EUCALANUS sp.

(2)

- spp., BJÖRNBERG, T.N.S. 1966: 65, CARIBBEAN
- ZMIJEWSKA 1983: 33-45, PRIDZ BAY, ANTARCTICA
- CARLI ET AL. 1973: 340-, SICILY
- MONTU' 1980b: 57-, RIO GRANDE DO SUL, BRAZIL
- JAZDZEWSKI ET AL. 1982: 241, DRAKE PASSAGE
- COPLEY & WIEBE 1990: 12, GUAYMAS BASIN
- GRANT 1977: 4-8-, OFF NEW JERSEY
- POR ET AL. 1984: 218-, SÃO PAULO, BRAZIL
- CARMAN & DOBBS 1997: 121, TAB. 1

EUCALANUS spp.

- GÓMEZ AGUIRRE & LEÓN ALVAREZ 1987:
55-, CHAMELA BAY, MEXICO
- UROSA 1983: 129-, VENEZUELA
- OKENWA & REVIS 1986: 30, TAB. 1, KENYA COAST