

Copilia

Cyrtopoda - Corycaeidae.
Poecilostomatoida

Dana, 1849, p. 40.

C. mirabilis [♀]

Syn. Copilia Dana, 1849, p. 40.

Copilia Dana, 1849, p. 281.

Copilia Dana, 1852, p. 1231.

Copilia Dahl, 1892, p. 499.

Hyalophyllum Haeckel, 1864, p. 63.

Sapphirinella Claus, 1863, p. 153.

Copilia, Giesbrecht, 1892, p. 84, 647.

Copilia Brady, 1883, p. 116.

Body a little depressed; frontal portion widely
quadrate, carrying conspicilla at the angles.
abdomen somewhat attenuate, 5-jointed.
1^o antennae short, 6-jointed as in Corycaeus.
2^o pair elongate, digitiform, unguiculate.
Feet like those of Corycaeus - 5^o thorax segt.
distinct, Body pigment flexed at the angle
of the upper eye - unpaired eye large vesic-
ular.

Copilia Giesbrecht, 1889, a, p. 479.

Copilia Giesbrecht, 1891, p. 479.

Copilia Tubbock, 1856, p. 26.

Sapphirina (pars) Tubbock, 1856, p. 27.

Copilia Teuckart, 1859, p. 249.

Copilia Claus, 1863, p. 160; 1866, p. 19.

Copilia Streets, 1877; p. 141

Sapphirinella Brady, 1883, p. 130

Copilia Thompson, 1888, a, p. 153; 1888, c, p. 147.

Copilia Pesta, 1921, p. 643

Copilia

(3)

- , Rader, 1970, p. 97
- , Gophen, M. and R. Harris, 1981, p. 391
- , Moore & Sander, 1976, p. 595, tbl. 3
- , Shmeleva & Zaika, 1973, p. 874
- DUDLEY, P. 1986: 22
- BLADES- ECKELBARGER 1986: 38
- OLSEN 1949: 132-133, SYNONYMY, DIAGNOSIS
- POR 1984: 6 -

Copilia asiaticus F. Dahl

--, Hue, 1967, p. 15.

Corycaeidae - Cyclopoidea.
Copilia atlantica Lubbock, ♀.

— — Lubbock, 1856, p. 26: pl. 4.

— — (= *C. mirabilis*) Giesbrecht, 1892, p. 647.

Habitat. Tropical Atlantic.

Copilia atlantica Lub^bock,

card 2

--, Marques, 1975, p. 52

Cyclopoidea - Cyclopoidea.
Copilia brucei Thompson, ♀.

— — Thompson, 1888, c, p. 147: pl. 9, figs. 1-7.
— — (= *C. vitrea*) Giesbrecht, 1892, p. 647.

Habitat. Malta.

Copilia denticaudata

--, Bjornberg, ~~197~~ 1963: table 17

Cyclopoida-Corycaeidae
Copilia denticulata Claus, ♀.

— — Claus, 1863, p. 161: pl. 25, f. 14-20.

— — Cleve, 1900, p. 143: Claus, 1866, p. 19.

— — Sars, 1916, p. 4.

— — T. Scott, 1894, p. 113 (Syn. of Copilia mirabilis)

— — Thompson, 1900: 289

Habitat. Messina: Nizza:

- — T. Scott, 1894, p. 114 (separate species).
— — Giesbrecht, 1892, p. 647: pl. 1, 2, 50.
— — T. Scott, 1912, p. 576.
— — Wolfenden, 1911, p. 358.
— — Cleve, 1900, p. 58.
— — Wilson 1942, p. 179, ATLANTIC, PACIFIC
— — Corral, 1970, pp. 233, pl. 57, 58
— —, Furuhashi, 1961: 110
— —, Bjornberg, 1963: 104 (table 7)
— —, ACLOQUE, 1899: 196.

Copilia denticulata Claus 1863

card 2

-- Soldevilla, et al. 1988: 61 Canary Islands

-- OLSEN 1949: 7-

-- M. ROSE 1927: 147, OFF ALGERIA

Corycaeidae - Cyclopoida
Copilia elliptica Giesbrecht, ♀

-- Giesbrecht, 1891, p 479.

-- Giesbrecht, 1892, p. 648: pl. 50.

--, Furuhashi, 1961: 110

Habitat. Tropical Pacific.

Corycaeidae - Cyclopoidea.

Copilia gultoni T. Scott, ♀

— T. Scott, 1894, p. 114; pl. 11, §. 1-3 45-50; pl. 12,

Habitat. Gulf of Guinea.

Copilia hendorffi Dahl.

①

— — Dahl,

— — Lehnhofer,

— — Farran, 1929, p. 290.

— —, Sewell, 1947. P. 269. *australi* sea area.

-- --, Tanaka, 1960. p. 75

Habitat. New Zealand.

--, Gianferrari, 1921, p. 18

--, Bjornberg, 1963: 104 (table 7)

Copilia hendorffi Dahl

card 2

-- Tranter 1977: 593-625.

— Bjornberg, 1981: 673, fig. 226 #20

Corycaeidae - Cyclopoida.

Copilia lata Giesbrecht, ♀.

— — Giesbrecht, 1891, p. 479.

— — Giesbrecht, 1892, p. 648.

— — Wolfenden, 1911, p. 359.

— — Farran, 1929, p. 291.

— —, Sewell, 1947, p. 269, Arabian Sea area.

Habitat. Rio Janeiro: Atlantic

—, Binet & Dessier, 1971: 444

—; Lian & Lin, 1978: 54-55, pl. 6, fig 1-7, YELLOW SEA/E. CHINA SEA

— Bjornberg, 1981: 673, fig. 226 #19

--, Paiva, 1971, p. 43-4, fig. 9e,f

--, Furuhashi, 1961: 110

-, Bjornberg, 1963: 10, 89, 90, 104 (2 tables)

--, CALEF & GRICE (UNPUBL.) IN KETCHUM & RYHER
1966 (UNPUBL.): TAB. 2; ~~APPENDIX~~ APPENDIX

-- TRANTER 1977: 593-625.

Corycaeidae - Cyclopoidea.

Copilia longistylis Mori, ♀.

— — Mori, 1933, p. 176: pl. 5, figs. 7-10
— — , Matoda and Anraku 1955 P. 212, Idzu Is.

— — , Mori, 1937, p. 141. Pl. 19, Figs. 4-11.

— — , Chiba, ~~Et~~ Tsuruta + Maéda, 1955. Bikini.

--, Hue, 1967, p. 15.

Habitat. Southern coast of Japan.

--, Furuhashi, 1961: 110

YELLOW SEA, E. CHINA SEA

— Lian & Lin, 1978: 55, pl. 7, fig 1-6, n

-- OLSEN 1949: 7-, PL. XXX, FIG. 16-18, XXXI, FIG. 5-8, OFF
U. S.; GIVES SYNONYMY

Copilia mediterranea (Claus), ♀.
Corycaecidae - Cyclopoida.

Sapphirinella n. — Claus 1863, p. 154, pl. 25, fig 12

— — Steuer, 1907, p. 163.

— — Steuer, 1910, p. 1035 (31).

— — Pesta, 1921, p. 644: text-fig. TP 93.

— —, Mori, 1937, p. 141, JAPAN

Habitat. Adriatic Sea.

— —, Decker, 1964. p. 21. South Africa

— —, GEWELL, 1947, p. 270, N. Arabian Sea area.

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

(see back)

Hure & Scotte di Carlo, 1968, p. 71.

--, DeDecker, 1962, p. 106

--, Gianferrari, 1921, p. 18

--, Rose, 1956, p. 464

--, Vaissiere, 1961, p. 52-8, figs. 21-23, 26, p. 64

--, Ehrhardt, 1967, p. 743

--, Vives, 1972, p. 234.

--, Bjornberg, 1963: 10, 90, table 8, 122

--, DEEVEY, 1971: TAB. 3

--, CALEF & GRICE (UNPUBL.) IN KETCHUM & RUTHER

1966 (UNPUBL.): APPENDIX

--, BRIAN 1927: TAB. IV.

Copilia mediterranea (Claus)

card 2

- , Shmeleva & Zaika, 1973, p. 874
- , Cannicci, 1959: passim
- MASSUTI' & NAVARRO 1950: 20.
- TRANTER 1977: 593-625.
- SANDER & MOORE 1978: 233.
- YOUNGBLUTH 1979: 23, CARIBBEAN
- GRICE & HART 1962b: TAB. 3, w. N. ATLANTIC
- Bjornberg, 1981: 673, fig. 226 #17
- Deevay & Brooks, 1977: 266

- Hure, 1955:38
- Hure, 1961:29
- Vives, 1978:267, 293
- CARLI 1968:100-, LIGURIAN SEA
- CARLI 1971a:61-, "
- CARLI + CRISAFI 1983:82, PL.16 FIG.1, ITALY
- CARLI + SERTORIO 1964:207-, LIGURIAN SEA
- CARLI + VALENTE 1981:731-, "
- KIORTSIS ET AL. 1969:33-, AEGEAN

Copilia mediterranea (Claus 1863)

card 3

-- Soldevilla, et al. 1988: 61 Canary Islands

-- OLSEN 1949:10

-- LAKKIS 1984: 290-, E. MEDITERRANEAN

-- REID 1990g: 195

-- F. DAHL 1893:106

-- M. ROSE 1934: 54-81, OFF ALGERIA

- BÖTTGER-SCHNACK 1997: 409-, TAB. 8a, E. MEDITERR.

Copilia mirabilis Dana, ♂♀.
Corycaidae - Corycaidae

- — Dana, 1852, p. 1232: pl. 86, f. 14, a-g.
- — Cleve, 1900, p. 142: 1901, p. 6.
- — Brady, 1883, p. 117: pl. 53, f. 1-11.
- — T. Scott, 1894, p. 113: Dana, 1849, p. 40.
- Thompson, 1900: 289

Habitat. Gulf of Guinea; Pacific, near
Kingsmill Islands; Indian Ocean;
Tropical Atlantic; Malaysia

- Sapphirina stylifera* Hubbock, 1956, p. 120. 10 ♂
- C. mirabilis* Thompson & Scott, 1903, p. 286.
- — Streets, 1877, p. 141.
- C. atlantica* Hubbock, 1956, p. 26: pl. 4.
- C. mirabilis* Thompson, 1888, a, p. 153: 1888, c, p. 147.
- — Giesbrecht, 1891, p. 479.
- — Giesbrecht, 1892, p. 647.
- Sapphirinella stylifera* Brady, 1883, p. 130: pl. 47, 48.
- C. mirabilis* T. Scott, 1912, p. 576.
- — A. Scott, 1909, p. 260.; 1902: 420
- — Wolfenden, 1911, p. 359.
- — Farran, 1929, p. 290.
- — Cleve, 1900, p. 58. — — Wilson, 1932, p. 374: fig.

- — Wilson 1942 p. 179
- — Lehnhofer, 1926, p. 136, fig. 13, 1-5
- — Krishnaswamy, 1953, p. 74.
- — Carvalho, 1952, p. 171-172, pl. 2, fig. 110-112. Bay of Santa, Brazil.
- — Matoda and Anraku, 1955 p. 212, Idzu Is.
- — , Anraku, 1954, pp. 1-8, N W Pacific
- — , MORI, 1937, P. 139, JAPAN. PL. 78, FIG. 1-6.
- — , SEWELL, 1947, P. 270, N. auburni Sea area.
- — f. *platyonyx* Lehnhofer, 1926, p. 127, fig. 4-7, 18.
- — — , Krishnaswamy, 1956, p. 461.
- — , Chiba, Tsuruta, + Maeda, 1955. Bikini.
- — — , A. G. Fish, 1962. p. 26, fig. 13, 14

- C. mirabilis, Decker, 1964. p. 21. South Africa
-- --, Heinrich, 1961. p. ~~89~~⁹² (vertical distribution)
-- --, Owre, 1962
-- --, Saraswathy, 1967, p. 104
-- --, Chiba, 1965, p. 8
-- --, Cleve, 1901, p. 5
-- --, DeDecker, 1962, p. 106
-- --, Paiva, 1971, p. 40-42, fig. 9, 10
-- --, Roehr & Moore, 1965, p. 566-.
-- --, Rose, 1955, p. 392
-- --, Rose, 1956, p. 464

- , Furuhashi, 1966: 300, 301, 310
- , Furuhashi, 1961: 110
- Chen, 1980: table 1
- , Bjornberg, 1963: 10, 89, 90, 95, 96, 99, 101, 104,
104 (3 Tables), 111, 114, 120, Table 17
- , MOORE & SANDER, 1979: 200
- , QING-CHAO, ET AL., 1974: 75 PL. 14 FIG. 4-8
- , JOHNSON, 1954: 307, 309
- , DEEVEY, 1971: TAB. 3
- , BINET & DESSIER, 1971: ○ 443, 444, 456
- , BINET, ET AL., 1972: 133, 136

Copia

- , OWREN & FOYO, 1972: 493; TAB. 5
- , OWREN & FOYO, 1964, p. 370
- , CALEF & GRICE (UNPUBL.) IN KETCHUM & RUTHER
1966 (UNPUBL.): APPENDIX
- , EVANS, 1961: 195-196
- , Chiba & HIRAKAWA 1972: 75, 78; Tab. 2.

Copilia mirabilis DANA

card 4

- , Marques, 1975, p. 52
- Mori, 1929: 204-205, pl. 9, fig 17-21
- Chen, Chen, Zhang, 19--: 76
- Motoda & Marumo, 1963: 461, 1
- Mori, 1942: 562
- Marikova & Campos, 1967: 68
- TRANTER 1977: 593-625.
- SANDER + MOORE 1978: 233.
- YOUNGBLUTH 1979: 23, CARIBBEAN

Copilia mirabilis Dana

card 5

-- Grice & Hart 1962b: Tab. 3, w. N. Atlantic

- Deevay, 1960a: 16

- Dakin & Colefax, 1940: 109, fig. 177a-g.

- Dakin & Colefax, 1933: 210

- Corral Estrada, 1972b: 8-9

- Tanaka, 1965a: 41, fig. 16a-b

- Binet & Dessier, 1968: 8, OFF MADAGASCAR

- Bjornberg, 1981: 672, fig. 226 #15

- Deevay & Brooks, 1977: 266

COPILIA MIRABILIS DANA

CARD 6

- , MICHEL ET AL. 1986: 35, ARABIAN GULF
- , MICHEL ET AL. 1986: 75, ARABIAN GULF
- Moryakova & Kampos, 1966: 131, passim Cuba
- Wickstead, 1956: 22-23.
- CAMPANER 1986: 262-, S. BRAZIL SHELF
- Soldevilla, et al. 1988: 61 Canary Islands
- MARUKAWA 1921: 7-, JAPAN
- BÖTTGER-SCHNACK 1988: 313-, RED SEA
- JIMENEZ-PEREZ + LARA-LARA 1988: 126-, GULF OF CALIFORNIA

Copilia mirabilis Dana

card 7

--Suarez, E. & R. Gasca 1989a:199-, Yucatan Channel

--SUAREZ, E. + GASCA 1990: 62, QUINTANA ROO, MEXICO

--BOTTFER 1985: 123, RED SEA

--OLSEN 1949: 7

--REID 1990g: 195

--OKENWA + REVIS 1986: 31, TAB. 1, KENYA COAST

--F. DAHL 1893: 106

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

--BÖTTGER - SCHNACK 1997: 409, TAB. 8a, E. MEDITERRANEAN

Copilia mirabilis platyonix

---, Paiva, 1971, p. 40, fig. 9c, d

---, Rose, 1956, p. 464

--, QING-CHAO, ET AL., 1974: 75

Copilia mirabilis x typica

---, Paiva, 1971, p. 40, fig. 9a, b

---, Rose, 1956, p. 464

--, QING-CHAO, ET AL., 1974: 75

Copula nicaeensis ^{Corycaidae} Teuckart, ♂♀.

— — Teuckart, 1859, p. 249: pl. 7.

— — Carus, 1885, p. 345.

— — (= *C. quadrata*) Giesbrecht, 1892, p. 647.

Habitat. Mediterranean.

Copilia oblonga Giesbrecht, ♀.

— — Giesbrecht, 1891, p. 479.

— — Giesbrecht, 1892, p. 648.

--, Furuhashi, 1961: 110

Habitat. Tropical Pacific.

Cyclopoida-Corycaeidae
Copilia quadrata Dana, ♀.

- — Dana, 1849, p. 40
— — Cleve, 1900, p. 143; Steyer, 1910, p. 1035 (31).
— — Sars, 1916, p. 4, 10, 13, 16, 22, 28, 33, 36, 41
— — Giesbrecht, 1892, p. 658: pl. 2, f. 3: pl. 50, f. 1
— —, SCOTO DI CARLO, ET AL., 1975: TAB. 1

Habitat, Gulf of Guinea: Tropical Pacific

- Thompson, 1900: 289

- — T. Scott, 1894, p. 113.
- Saphirinella pellucida, Claus, 1866, p. 17: pl. 1.
- C. quadrata Dana, 1852, p. 1233: pl. 86, fig. 15, a-d.
- — Giesbrecht, 1891, p. 479. 1, 3
- Hyalophyllum pellucidum Haeckel, 1864, p. 63: pl. n
- Copilia nicaeensis Leuckart, 1859, p. 249: pl. 7.
- C. denticulata ♀ Claus, 1863, p. 161: pl. 25: 1866, p. 19.
- Sapphirinella mediterranea (pars) Claus, 1863, p. 154:
pl. 8, 25: 1866, p.
- Copilia quadrata Pesta, 1921, p. 644: text-f. R 94.
- — A. Scott, 1909, p. 261, Farran, 1929, p. 291.
- — Wolfenden, 1911, p. 358
- — Cleve, 1900, p. 58.

- ___ Wilson 1942, p. 179 - PACIFIC
___ , Matoda and Anraku 1955 p. 212, Idzu Is.
-- -- , Anraku, 1954, pp. 1-8 N W Pacific
-- --, MORI, 1937, P. 140. JAPAN. P. 79, FIGS. 1-3.
-- --, SEWELL, 1947, P. 271, - Arabian Sea area
-- --, Chiba, Tsuruta, + Maeda, 1955. Bikini.
-- --, Owre, 1962
-- --, Hure & Scotto di Carlo, 1968, p. 71.
-- --, Furuhashi, 1966: 310
-- --, BINET & DESSIER, 1971: 444

- , Chiba, 1956, p. 41
- , Corral, 1970, pp. 233-4
- , Rose, 1956, p. 464
- , Ehrhardt, 1967, p. 743
- , Hue, 1967, p. 15
- , Vives, 1972, p. 234.
- , Furuhashi, 1961: 110
- , Bjornberg, 1963: 90, 10, 89, 104 (3 Tables), Table 8
- , DEEVEY, 1971: TAB. 3 - SARGASSO SEA OFF BERMUDA
- , OWREN FOYO, 1964b: 370
- , OWREN, & FOYO, 1972: TAB. 5

COPILIA QUADRATA DANA

CARD 3

- SANDER + MOORE 1978: 233.
- CALEF + GRICE (UNPUBL.) IN KETCHUM + RYTHER 1966 (UNPUBL.): APPENDIX
- , Chiba & Hirakawa 1972: Tab. 2.
- , Marques, 1975, p. 53
- Lian & Lin, 1978: 53-54, ^{EAST CHINA SEA} pl. 5, fig 1-9₁
- Chen, 1980: table 1
- Marikova & Campos, 1967: 68 -OFF CUBA
- Ramirez, 1969: 95-96, fig 164-166 -OFF ARGENTINA
- TRANTER 1977: 593-625.

Copilia quadrata Dana

card 4

-- Wickstead 1962: 549

-- YOUNG-BLUTH 1979: 23, CARIBBEAN

-- GRICE & HART 1962b: TAB. 3, w. N. ATLANTIC

-- Dakin & Colefax, 1940: 109, fig. 178a-e

-- Tanaka, 1965a: 41, fig. 17a-c

-- Binet & Dessier, 1968: 8, OFF MADAGASCAR

-- Bjornberg, 1981: 672, fig. 226 #18

-- Deevy & Brooks, 1977: 266

-- Hure, 1955: 39

-- Hure, 1961: 29

- Moryakova & Kampas, 1966: 131, passim Cuba
- Vives, 1978: 267, 293
- REGNER 1987: 374-, ADRIATIC
- CARLI 1971a: 61-, LIGURIAN SEA
- KIORTSIS ET AL. 1969: 39-, AEGEAN

Copilia quadrata Dana 1842

card 5

-- Soldevilla, et al. 1988: 61 Canary Islands

-- BÖTTGER - SCHNACK 1988: 313-, RED SEA

-- SUAREZ, F. + GASCA 1989a: 199-, YUCATAN CHANNEL

-- SUAREZ, F. + GASCA 1990: 62-, QUINTANA ROO, MEXICO

-- BOTTGER 1985: 123 -, RED SEA

-- OLSEN 1949: 7 -, 134 -, PL. XXX FIG. 13-15, XXXI, FIG. 14,
OFF W. U.S.; GIVES SYNONYMY

-- LAKKIS 1984: 290-, E. MEDITERRANEAN

-- REID 1990g: 195

COPILIA QUADRATA DANA, 1842

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- OKENNA + REVIS 1986: 31, TAB. 1, KENYA COAST
- F. DAHL 1893: 106
- M. ROSE 1927: 147, ALGERIA
- M. ROSE 1934: 60-81, "
- ALVAREZ-SILVA 1996: 19, TAB. 2, VERACRUZ, MEXICO

Corycaeidae - Cyclopoida.

Copilia recta Giesbrecht, ♀.

— — Giesbrecht, 1891, p. 479

— — Giesbrecht, 1892, p. 648

— —, Wilson p. 179, 1942 (does not mention sex)

— —, Mori p. 139, 1937. Pl. 77, figs. 13-16.

— —, Chiba, 1956, p. 40

Habitat. Tropical Pacific.

— Lian & Lin, 1978: 52, pl. 4, fig 6-9.

Corycaeidae - Cyclopoidea

Copilia vitrea (Haeckel) ♀.

Hyalophyllum vitreum Haeckel, 1864, p. 63: pl. 1.

— — Sars, 1916, p. 4.

— — Giesbrecht, 1891, p. 480.

— — Giesbrecht, 1892, p. 647.

— —, Owre, 1962

Habitat. Messina: Malta: Tropical
Atlantic & Pacific.

Sapphirinella mediterranea (pars) Claus, 1863, p. 154;
— *vitrea* Claus, 1866, p. 17: pl. 1 pl. 8, 25

Copilia brucei Thompson, 1888, c. p. 147,
— *vitrea* A. Scott, 1909, p. 261.

— — Wolfenden, 1911, p. 358.

— — Farran, 1929, p. 290.

— — Wilson 1942, p. 179

— — Lehnhofer, 1926, p. 134-135, text-fig. 12

— — Krishnaswamy, 1953, p. 74.

— —, SEWELL, 1947, p. 272, amber Sea area.

— —, Heinrich, 1961. p. 92 (vertical distribution)

— —, Bjornberg, 1963: 10, 89, 90, 104 (2 tables)

— —, DEEVEY, 1971: TAB. 3

Copilia vitrea (Haeckel, 1864)

card 2.

--- --, Hure & Scotto di Carlo, 1968, p. 71.

--, Corral, 1970, p. 234

--, Vives, 1972, p. 234.

--, Furuhashi, 1966: 310

--, Furuhashi, 1961: 110

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

--, CALEF & GRICE (UNPUBL.) IN KETCHUM & RUTHER

1966 (UNPUBL.): APPENDIX

--, CHENG et al. 1965: 2, 3.

Copilia vitrea (Haeckel)

card 3

-- Tranter 1977: 593-625.

-- SANDER + MOORE 1978: 233.

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

-- GRICE + HART 1962b: TABLE 3

- Dakin & Colefax, 1940: 109, 175a-e, 176a

- Bjornberg, 1981: 672, fig. 226 #16

- Deeney & Brooks, 1977: 266

- Hure, 1955: 39

~~Hure, 1955: 39~~ - Vives, 1978: 267, 293

Copilia vitrea (Haeckel)

card 4

-- Kiortsis et al. 1969: 39-, Aegean

-- Soldevilla, et al. 1988: 61 Canary Islands

-- Ho & PERKINS 1985: 591-

-- SUAREZ, E. & GASCA 1989a: 199, YUCATAN CHANNEL

-- OLSEN 1949: 7

-- M. ROSE 1927: 147, ALGERIA

-- M. ROSE 1934: 56-81, "

Copilia sp.

Hue, 1967, p. 18.

- , Bjornberg, 1963: 104 (table 7)
- , CRISAFI et al. 1973: 105, 106, 111.
- Madhupratap et al 1977: 461.3
- , Mudhupratap et al, 1981: 266-~~266~~ 267
- , Sreekumaran et al 1981: passim
- Kimmerer, et al, 1985: table 4 Australia
- MICHELY & HERRING 1984: 328-, ARABIAN GULF

