

in

Acartia valid -
Dana - 1846 -

A. limpida ①

Syn. Dias Tilljeborg, 1853, p. 183.

Acartia Dana, 1846, p. 227.

Acartia Dana, 1849^a, p. 25; 1849^b, p. 280.

Acartia Wheeler, 1901, p. 182.

Ακαρτιος, unshorn, the long hairs of the antennae.

Dias Brady, 1883, p. 72.

Dias Claus, 1863, p. 191; 1866, p. 13.

Body slender: 1^o sept. of metasome much larger than others. 1^o antennae in ♀ 17- or 18-jointed; right antenna in ♂ swollen at center. Exopod of 2^o antenna 3-jointed 5^o legs in ♀ 3-jointed, in ♂ 4-jointed and asymmetrical.

Acartia Thompson, 1888, a, p. 149; 1888 b, p. 14.

Acartia Giesbrecht, 1892, p. 75, 506, 721.

Acartia Dahl, 1894 c, p. 13; Brady, 1883, p. 72.

Acartia Esterly, 1905, p. 203.

Acartia Dana, 1852, p. 1118.

Acartia G. O. Sars, 1903, p. 148.

Calanus (pars) Toubbock, 1857, p. 403.

Dias Boeck, 1864, p. 13.

Dias Brady, 1878, p. 51.

Dias Giesbrecht, 1882, p. 144.

Dias Poppe, 1885, p. 173.

Acartia Herrick, 1887, p. 7.

Dias Thompson, 1888, c, p. 141.

Acartia Thompson, 1888, c, p. 141.

Acartia Giesbrecht, 1889, c, p. 25.

Acartia Canu, 1890, p. 476.

Acartia T. Scott, 1893, p. 65.

Paracartia T. Scott, 1893, p. 68.

Acartia Giesb. & Schmeil, 1898, p. 150.

Acartia Pesta, 1921, p. 545.

Acartia

3

Steuer 1923, revision

Sewell 1932, list

- , Bernard, et al. 1967, p.85.
- , Pesta, 1928, p. 8, fig. 7, fig. 8, p. 61
- , GAULD, 1966: 314-33 (SWIMMING + FEEDING)
- , BRIAN 1927: 9.
- , DANA 1846: 227.
- , Gophen, M. & R. Harris, 1981, p. 391
- , Moore & Sander, 1976, p. 594 (tbl. B for species listed)
- , Ogawa, 1977, P. 3
- , Moore & Sander, 1982 p. 28. 413

Corral, et al, 1981: 229

Acartia

card 4

--, Rosenthal, 1972, p. 157

- Mori, 1942: 557-558 Key.

-, REID + ESTEVES, 1984: 322

-, NISHIDA, 1984: 37

-, SEKIGUCHI, 1984: 42.

-, SATO + HIRANO, 1978: 151

-, PETERSON + MILLER, 1977: 718

-, UYE + KASAHARA 1978: 109 - dormant eggs

-, SCHRAM, 1986: 450, FIG. 37-1A

Acartia DANA, 1846

card 5

- Petipa 1975:46, 48 - feeding types

- TRUJILLO - ORTIZ 1986:188

- ZIEGELMAYER 1925:494

- ZAMORA - SANCHEZ + GOMEZ - AGUIRRE 1985:337, LIST SUBGENERA

- ZAMORA SANCHEZ 1974:7-15; LISTS SUBGENERA

- BRADFORD 1976:163, AMENDS DIAGNOSIS; TYPE SPECIES

A. NEGLIGENS DANA.

- CARLI + CRISAFI 1983:57, DIAGNOSIS

- MAUGHLINE 1988:715-, FIG. 10H, PORÆ SIGNATURE

Acartia Dana, 1846

card 6

- Stephen & Rao 1985: 471
- McERLEAN ET AL. 1972: 557, CHESAPEAKE BAY
- BAMSTEDT 1986: 8 -
- BJÖRNBERG, T. 1986: 57, FIG. 7b, NAUPLIUS
- BHATTACHARYA 1986: 220
- RUNGE + MYERS 1986: 444
- DOWIDAR 1986: 629, SE MEDITERRANEAN
- BJÖRNBERG + CAMPANER 1988: 354 -
- TURNER, J.T. 1984d: 4-, ECOLOGY

Acartia Dana, 1846

card 7

- Bayly 1978:818-, cf. Paralabidocera

- MONTU' 1989: 33; FIG. 2 B

- TIRMANN 1984: 59

- RAMÍREZ 1966: 18-19, DIAGNOSIS

ACARTIA (ACANTHACARTIA) STEUER 1923

-- ZAMORA SANCHEZ 1974: 15, DIAGNOSIS

-- BRADFORD 1976: 163-164

ACARTIA (ACARTIA) DANA, 1846

-- BRADFORD 1976: 163, PLANKTACARTIA STEUER, 1915

A SYNONYM.

ACARTIA (ACARTIURA) STEUER

-- BRADFORD 1976: 159-202, PARTIAL REVISION

-- MCKINNON ET AL. 1992: 239

ACARTIA (EUACARTIA) STEUER, 1915

- BRADFORD 1976:163

ACARTIA (HYPOACARTIA) STEUER 1915

- BRADFORD 1976:163

ACARTIA (ODONTACARTIA) STEUER 1923

- ZANORA SANCHEZ 1974: 15, DIAGNOSIS
- BRADFORD 1976: 163

Acartiidae - Calanoida.

Acartia adriatica Steuer, ♀

-- Cristofari, 1973, p. 374 (TAB. II)

-- Steuer, 1910, p. 1030 (26). text-fig. 5, a-e.

-(Hypocartia) - Pesta, 1921, p. 546: text-f. F 62.

Hypocartia a - Steuer, 1915, p. 396.

--- Rose, 1928, p. 247, Bay of Algiers

- (Hypocartia) -, Steuer, 1923, p. ¹⁵~~103~~, figs?

Habitat, Adriatic. Bay of Algiers

--, Ehrhardt, 1967, p. 741

-- Cristofari, (rescendi, 1972 p. 222, 224, 231, 232,
235-237 (Ta 79))

- , CRISAFI 1972: 2.
- , CRISAFI + CRESCENTI 1975: 210, 213-216.
- MASSUTI' + NAVARRO 1950: 27.
- CARLI + CRISAFI 1983: 60-61, Pl. 9 FIG. 1, ITALY
- GRANDORI 1904: 164, VENICE LAGOON
- ROSE 1934: 78, OFF ALGERIA

6264

Acartia (Paracartia) africana Steuer, 1915.

---, Steuer, 1923, pp. ¹⁰⁷⁻⁹~~19-21~~, figs?

--, BRODSKY & ZVEREVA, 1976: 234

--, Grindley, Estuarine plankton, p. 124, tbl. 3

-Connell, 1981: 499-500

-Tanaka, 1964 (A. asymmetrica syn.)

-- LABBÉ 1929: 606

Acartiidae - Calanoida

Acartia (Odontacartia) amboinensis Carl, ♀. ①

— — Carl, 1907, p. 12: pl. 1, figs. 3-5. (♂)

Odontacartia a—, Steyer, 1915, p. 397.

Acartia a— Sewell, 1914, p. 242 (♀ = A. bispinosa)

— — Sewell 1932, p. 396

— — " 1947, p. 252.

Habitat. Gulf of Aden: Mannar: Bengal:
Banda Sea.

(A. amboyenensis), Madhupratap, et al, 1981, 266-267

- DeDecker, 1984: 317
A. amboinensis, Decker, 1964. p. 17. South Africa
— ———: Tanaka, 1965, pp. 390-391, fig 246: Japan.
— —, Tanaka, 1965, pp. 56-57, fig. 246 a-d
— —, Fleminger, 1959-1961, pp. 92-98
—, Gianferrari, 1921, p. 16
—, Gianferrari, 1923, p. 78
—, Rose, 1955, p. 391
—, Rose, 1956, p. 462
—, Steuer, 1923, p. 120-1, figs?
— Crisafi, Crescenti, 1972, p. 223
—, Furuhashi, 1961: 108
—, BINET & DESSIER, 1971: 439
— Binet & Dessier, 1968: 14. fig. 18 e-h, OFF MADAGASCAR

ACARTIA (ODONTACARTIA) AMBOINENSIS CARL CARD 2

--, MADHUPRATAP & HARIDAS, 1986: 111, 112-INDIA

---, STEPANEN & RAO 1985: 467, 469, FIGS. 1g-k,

INDIAN OCEAN

-- REVIS 1988: 344, KENYA

ACARTIA ASYMMETRICA TANAKA, 1964

-- TANAKA, 1964b: 12-13 ♀♂, PL. V-VI, TAB. 2-3

Acartia australis Farran ♂ ♀.

— — Farran, 1936, p. 121: fig. 23, a-f. (Odontacartia)

--, Hamner & Carleton, 1979: 1, 7-12

--, Bjornberg, 1963: table 17

--, Ueda, et al., 1983, p. 165

-- UYE + KASAHARA 1978: 113

Habitat. Great Barrier Reef,

— Ueda, 1986c: 17-19, fig. 1 i-m, 2 h-i

-- DANSTEDT 1986: 25-

-- LE BORGNE 1986: 131-

Acartia australis Farran, 1936

card 2

-- Mayzaud 1986b: 241-

Acartia (Acanthacartia) bacorehuisensis Zamora-Sánchez
& Gomez-Aguirre 1986

--- Zamora-Sánchez & Gomez-Aguirre 1986:337-346, Plates
1-3, n. sp. ♀♂, Agiabampo Lagoon, Gulf of California

-- SP., ZAMORA SANCHEZ 1974: 1-57, PLATES J-N,
AGIABAMPO LAGOON, GULF OF CALIFORNIA (THESIS).

Acartiidae

Acartia (Acanthacartia) baylyi Greenwood

Acartia (Acanthacartia) baylyi Greenwood, 1972, pp. 313-319, figs. 1-2. Brisbane R. mouth ($27^{\circ}24'S$, $153^{\circ}9'E$), Moreton Bay, Queensland, Australia.

--, GREENWOOD, 1978 b: 2, 11-13; TAB. 1; 540 ACARTIA SP. BAYLY, 1965

— Bayly, 1980: 7-10

— Greenwood, 1982 b: table 3



baulyi -

-- Crescenti, Crisafi, 1972, p. 223.

Acartiidae - Calanoida.
Acartia bermudensis Esterly, ♂. ♀.

— — Esterly, 1911, p. 224; pl. 1, f. 1: pl. 2, f. 10,
17, 18: pl. 3, f. 22: pl. 4, f. 43.

Acartiura — Steyer, 1915, p. 394.

— — Pinney 1933, Bermudas

— —, Owre, 1962, Florida Current, off Miami

Habitat. Bermuda Islands.

--, OWRE + FOYO, 1972: 501; TAB. 3, 6

- (Acartiura)-, Steuer, 1923, p. ^{91, 99-100}~~11-12~~, figs? 37-42

--Bradford, 1976, pp. 159-202

--SUÁREZ, E. ET AL. 1990: 126-, w. GULF OF MEXICO

--REID 1990g: 184

--JUÁREZ M., E. 1992: 151, w. GULF OF MEXICO

Acartia bifilosa Acartiidae — Calanoida 1
(Giesbrecht), ♀.

Dias ^{vs} Giesbrecht, 1881, p. 257

— — Oberg, 1905, p. 44: pl. 4, figs. 1—7.

— — Cleve, 1900, p. 143.

— — T. Scott, 1902, b, p. 454.

— —, Lance, 1964, p. 114

Habitat. British Seas: Baltic Sea: Norway:
Gulf Finland: North Sea.

Dias Giesbrecht, 1882, p. 147: pl. 3, f. 4, 22, 23.

Acartia T. Scott, 1906, p. 304: 1892, p. 244: pl. 7, fig. 14.

Acartia Giesbrecht, 1892, p. 508.

Dias longiremis Lindström, 1855, p. 67, (question).

— — Boeck, 1864, p. 13; Brady, 1872, p. 5,

— — Norman, 1867, p. 198; 1868, p. 299 (question).

— — Norman, 1868, p. 299 (question).

— — Brady & Robertson, 1876, p. 196 (quest.).

— — Sars, 1877, p. 363 (quest.).

— — Brady & Robertson, 1873, p. 127 (quest.).

— — Möbius, 1873, p. 116; 1875, p. 274 (quest.).

— — Brady, 1878, p. 5: pl. 5, f. 1-14 (pars),
235-237

Crisafi crescenti AFZ, p. 221, 224, 231 (TAB. 7)

A. bifilosa

(2)

Dias longiremis Lenz, 1882, p. 174 (quest).

— — Brady, 1882, p. 656 (quest.).

— — Thompson, 1886, p. 204 (quest.).

— — Malcolmson, 1886, p. 636 (quest.).

— — Sars, 1886, p. 77 (quest.).

— — Claus, 1863, p. 193: pl. 33 (pars).

— bifilosus Giesbrecht, 1882, p. 147: pl. 2, 3, 5-11.

Acartia — a Giesb. & Schmeil, 1898, p. 153.

— — Timm, 1894, p. 380

— — Rose, 1929, p. 48. — — Wilson, 1932, p. 162: fig.

A (Acanthacartia) bifilosa: Skene 1915, p. 396.

— — Gurney, 1931, p. 230.

— — Cleve, 1900, p. 41.

— — Fontaine, 1955, p. 883-4. Ungava Bay, Canada.

— —, BRODSKY, 1950, p. 426, fig. 301.

? — —, Jespersen, 1940, p. 70-71. Record of Gran (1902) at Iceland
doubtful.

— —, Conover, 1959. Seasonal distrib., Southampton, England.

— —, Shen & Bai, 1956, pp. ~~54-54~~¹⁹⁶, pl. 7, fig. 52-54. Off Chefoo, China, p. 224.

— —, Schwarz, 1960, p. 297, fig. 4. Rügen I., E. Germany.

— — —. Grainger, 1965, pp. 543-564.

— —. Johnson, 1961, p. 313-315, Table 2. Cape Thompson, Alaska.

— —, MARTENS, 1976: 412-415; TAB. 1

— —, LINDQUIST, 1959: 6

— — CHENG et al. 1965: 1, 3.

— —, Redeke 1935: 318-321, 324-327; Figs. 2.4.6.

Acartia bifilosa

card 3 3

-- -- Apstein, 1905, VI, VII, XXVI, VIII,

--, Kiefer, 1960, p. 442-3, figs. 14-15, Acartia
(Acanthacartia) bifilosa

--, Gyllenberg, 1973, pp. 3-13

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

- (Acanthacartia)-, Rose, 1956, p. 462

- " -, Steuer, 1923, p. ~~22-23~~, figs?
110-111

- " -, Pesta, 1928, p. 62, fig. 51

--, Stock & Vos, 1960, p. 204

-- Crisafi, P. 1973, p. 374 (TAB II)

-- Hamond, 1973, p. 338.

--, BREEMEN, 1906: 6, 12-13, 14

Acartia bifilosa, Schwarz, 1960, p. 293~~2~~ -8, fig.1,4

- , Sato, 1913, no. 26, pl. 7, 8
- , Tranter & Abraham, 1971, p. 224
- , Bjornberg, 1963: 100 (table)
- , CRISAFI 1972: 2.
- , Crisafi, 19?, p. 841
- , Sutherland, 1982, p. 478
- , Fonseca & Prado, 1979b, p. 11.
- UVE 1984a: 48
- UVE 1984b: 172.
- KOOA 1984b: 134-135, 188, FIG. 61 (19) - NAUPLIUS

Acartia bifilosa (Giesbrecht)

card 4

-- BRADFORD 1976: 164

-- , Wilson, 1973, p. 661

-- , Hensen, 1911: 292.

-- Mohr, et al, 1961: t. 3

-- MÄEMETS + VELDRE 1956a: 15, 19, 81, 84-85, Pl. IX,

FIGS. 4-6 - ESTONIA

-- VILELA 1972: 12

-- TRUJILLO-ORTIZ 1986: 188, 200

-- LABBÉ 1929: 565

Acartia bifilosa (Giesbrecht)

card 5

- Carli & Crisafi 1983: 68, Pl. 11 fig. 2, Italy
- BARETTA & MALSCHAERT 1988: 69-, EMS ESTUARY,
NETHERLANDS / GERMANY
- CHOJNACKI, 1984: 127, figs 1-5 Baltic Table I
- FONTAINE 1955: 858-, UNGAVA BAY
- DIAS BIFILOSUS, NORDQVIST 1888: 81-82, Pl. IX (8-10),
FINLAND
- LINDQUIST 1959b: 59-, GULF OF BOTHNIA
- GAEDKE 1990: 187-, EMS-DOLLART ESTUARY,
GERMANY-NETHERLANDS

Acartia bifilosa (Giesbrecht, 1881)

card 6

- Shih et al. 1971:29-, Canada - Atlantic ; 200, ARCTIC
- HARDING + SMITH 1974: 11-, FIG 4c
- MOREIRA, G. 1975: 78
- ARRHENIUS 1996: 704-, BALTIC SEA
- A. BIFILOSUS, HERRICK 1887: 7
- BRODSKY 1948: 3, SEA OF JAPAN

Acartiidae - Calanoida.

Acartia bifilosa, var intermedia (Poppe) ♀

Dias intermedius Poppe, 1885, p. 173: pl. 5, f. 13, 21, 22.

Acartia intermedia Giesbrecht, 1892, p. 508.

A. bifilosa var — Giesb. & Schmeil, 1898, p. 154.

Habitat. Jade-Busen.

Acartia bifilosa-tonsa-giesbrechti

----, Steuer, 1910, p. 597

Acartia (Acanthacartia) bifilosa var. inermis

Acartia (Acanthacartia) bifilosa, (Giesbrecht) var.
inermis Rose, 1929, pp. 48-52, fig. 8.

Acartia bilobata Abraham

①

Acartia bilobata Abraham, 1970, pp. 49-54, figs. 1-14.
Cochin Harbor and Backwaters, Kerala State, India.

- , Tranter & Abraham, 1971, p. 224-, figs. 2, 6, 16, 17, 18
- , Abraham, 1976, pp. 74, 77.
- , Madhupratap & Rao, 1979: 10
- , Madhupratap et al, 1975: passim.
- , Madhupratap ~~et al~~, 1979: passim.
- , Madhupratap, 1980: passim.
- , Madhupratap & Haridas, 1975: passim.

Acartia bilobata Abraham

card 2

-- Uye & Kasahara 1978: 112

-- MADHUPRATAP & HARIDAS, 1986: 111, INDIAN OCEAN

Acartiidae - Calanoida

Acartia (Odontacartia) bispinosa Carl, ♀. ①

— — Carl, 1907, p. 13: pl. 1, figs. 1-2.

Odontacartia b—, Steyer, 1915, p. 397.

Acartia b— Pesta, 1912, p. 54: text-fig. 17.

— —, Ueda^{et al}, 1983, p. 165

Habitat, Persian Gulf: Gulf of Mannar:
Seychelles: Banda Sea.

— Nishida, 1985: 133-135, fig. 5

— — Sewell, 1914, p. 242.

bispinosa

— — Sewell 1932, p. 396. Sri Lanka

-- --, Grice, 1964. pp. 261-262, fig. 35-37. Synonymy.
Buteritan Lagoon, Makin, Gilbert Is.

--, Gianferrari, 1921, p. 17 Seychelles.

--, Gianferrari, 1923, p. 78. Seychelles

--, Rose, 1955, p. 391 Vietnam

--, Rose, 1956, p. 462 "

- (Odontacartia)-, Steuer, 1923, p. 12 -2, figs?

--, Hamner & Carleton, 1979: 1, 3, 8, 9, 11. Palau.

--, Bjornberg, 1963: 100 (table)

ACARTIA (ODONTACARTIA) BISPINOSA CARL. CARD 2.

--, MADHUPRATAP & HARIDAS, 1986: 111, INDIA

--, MICHEL ET AL. 1986: 67, 75 - ARABIAN GULF

— TAFE & GRIFFITHS, 1983: 112, 119 Australia

-- REVIS 1988: 346, KENYA

-- MICHEL & HERRING 1984: 328, ARABIAN GULF

-- OKENWAY & REVIS 1986: 31, TAB. 1, KENYA COAST.

(Odonotacaris)

Acartia bowmani Abraham

- Abraham, 1976, pp. 75-80, figs. 1-3, 7-12, tables 1-4
- Madhupratap & Rao, 1979: 10
- Madhupratap ~~1979~~ 1979: passim
- Madhupratap, 1980: passim
- Madhupratap & Haridas, 1975: passim
- MADHUPRATAP + HARIDAS, 1986: III, INDIAN OCEAN
- spinicauda Giesbrecht, ♂. — Wellershaus 1969: 15, figs. 76, 77, 78.

Acartia californiensis Trinast

Acartia (Acanthacartia) californiensis Trinast, 1976,
pp 54-58, figs. 1-16.

- , JOHNSON, 1980: 567-584 FIGS 1-11
- , Grice & Marcus, 1981, passim
- , Gardner & Szabo, 1982, p. 28, 420-421, fig. 28.1.4
- , McALICE, 1981: 269
- MILLER ET AL. 1984: 1287
- UYF 1984b: 165
- Dawson & Knatz, 1980: 15, pl. 2 fig. a-f.

Acartia (Acanthacartia) californiensis Trinast card 2

-- Trujillo-Ortiz 1986:188-204, figs. 4-21, development;
Estero de Punta Banda, Baja California, Mexico;
189, SYNONYMS A. n.s.p. OF TRINAST, 1975, AND
ACARTIA SP. I OF UYE + FLEMINGER, 1976.

-- AMBLER ET AL. 1985: 177-195, SAN FRANCISCO BAY

— Uye, 1985: 441, Pl. 1

ACARTIA SP. I, UYE + FLEMINGER 1976: 253-262,
CALIFORNIA

-- TESTER 1985: 51

-- SABATINI 1990: 54-

Acartia californiensis Trinast

card 3

-- Orsi & Mecum 1986:331-, Sacramento R. Delta, California

-- BAN & MINODA 1991: 299-

-- FERRARI 1993b: 767, TAB. 2

-- FLEMINGER & KRAMER 1988: 536, TAB. 1, SAN
DIEGO, CALIFORNIA, USA

Acartiidae - Calanoida.

Acartia centrura Giesbrecht, ♀. ①

Type-locality: "Assab (O.)."

- — Giesbrecht, 1889, c, p. 25; 1891, p. 282.
- — Thompson & Scott, 1903, p. 254. [30, f. 26, 31]
- — Giesbrecht, 1892, p. 508; pl. 43, f. 9, 16; pl.
- — Giesb. & Schmeil, 1898, p. 155.

--, Goswami & Goswami, 1973: 242-243; Fig. 3-7

Habitat. Red Sea: Indian Ocean: Atlantic:

- , Goswami & Goswami, 1974: 113; TAB. 2
- , Madhupratap ~~et al.~~, 1979: passim.
- , Madhupratap & Rao, 1979: 11

Odontacartia c - Steur, 1915, p. 397; 1923, p. 27, ⁺¹²⁶₋₁₂₉

Acartia c - Sewell, 1914, p. 240: 1913, p. 340

-- Wolfenden, 1911, p. 357.

-- Sewell, 1924, p. 790.

-- Sewell 1932, p. 396

-- (O:) Wellershaus, 1969, p. 273, fig. 86-87, S. INDIA

-- (Odontacartia)-, Steuer, 1923, p. 115, figs?

--, Tranter & Abraham, 1971, p. 224-, figs. 2, 7, 16, 17, 18

--, Abraham, 1976, pp. 73-79, figs. 4-6, 13-16,

tables 1 and 2.

--, Bjornberg, 1963: 100 (table)

--, Madhupratap et al 1975: passim

--, Madhupratap et al 1979: passim.

--, Madhupratap, 1980: passim

--, Madhupratap & Haridas 1975: passim

ACARTIA CENTRURA GIESBRECHT

CARD 2

- DAS ET AL. 1982: 53
- UYEY & KASAHARA 1978: 112.
- GOSWAMI 1983: 254-257, INDIA
- GAJBHIVE ET AL 1984: 77-79, INDIA
- Dakin & Colefax, 1933: 207
- , MADHUPRATAP & HARIDAS, 1986: III, INDIAN OCEAN
- CENTRULA, YAMAJI 1951: 19, EIGU BAY, JAPAN
- , TOKIOKA 1951: 13, 22-23, FIGS. 7a, b - EIGU BAY, JAPAN
- (ODONTACARTIA) -, DUSSART 1989: 14-15, RANGE - AFRICA

ACARTIA CENTRURA GIESBRECHT, 1889

CARD 3

-- GOSWAMI 1983:254

-- FLEMINGER & KRAMER 1988:537

Acartiidae - Calanoida -

Acartia chilkaensis Seymour-Sewell, ♀

— — Sewell, 1919, p. 9: pl. 9, figs. 1-5.

— — Sewell, 1924, p. 790.

— — : Sewell 1932, p. 395, Calcutta salt lakes

— — : Kasturirangan, 1963, p. 64; fig. 68, d-h (from Steuer, 1934,
actually of A. chilkaensis var. sittangi Steuer)

Habitat. Chilka Lake.

— — Wellershaus, 1969, p. 272-273, fig. 64-65 (from Sewell, 1919)

- (Acanthacartia)-, Subbaraju, 1968, p. 45

--, Abraham, 1976, pp. 78, 80, table 3.

-- RANGA REDDY + RADHAKRISHNA 1982:261

-- RANGA REDDY 1980:165

-- MADHUPRATAP + HARIDAS, 1986:111, INDIA

-- ABRAHAM 1970:52

Acartiidae - Calanoida

Acartia chilkaensis Sewell, ♀♂

Var. sittangi, new ^{Steuer}

^{Teuer}

~~Sewell~~, 1934, p. 336: pl. 5, figs. 8-14

--, Abraham, 1976, pp. 78, 80, table 3.

--, Bjornberg, 1963: 100 (table)

A.(A.) --, WELLSHAUS 1969: 269-270, 272, FIGS. 68, 69

Habitat, Burma.

Acartiidae - Calanoida

Acartia clausii Giesbrecht, ♀.

1889 | 17, 28, 36, 47: pl. 42: pl. 43, §. 3, 5, 14,

— — Giesbrecht, 1892, p. 507: pl. 30; §. 2, 4, 13-15,

— — Cleve, 1900, p. 141: 1902, p. 19.

— — Sars, 1903, p. 150: pl. 101.

— — Norman & Brady, 1909, p. 116.

-- , Jespersen, 1940, p. 68-69. Iceland.

Habitat, Open Ocean, Atlantic,

Adriatic: Naragansett Bay,

Norway: Arctic Ocean.

- Dias longiremis* (pars) Brady, 1878, p. 51: pl. 5, fig. 1-14.
Acartia clausi T. Scott, 1894, p. 67: pl. 7, fig. 33-40.
 — *gaboonensis* T. Scott, ms. name.
 — *clausi* T. Scott, 1906, p. 304.
 — — Steyer, 1910, p. 1030 (26).
 — — Thompson & Scott, 1903, p. 254.
 — — *si* Williams, 1907, p. 72: 1906, p. 648.
 — — *sii* Giesbrecht, 1889, c. p. 25.
 — — Canu, 1890, p. 476.

Dias longiremis Claus, 1863, p. 193: pl. 33 (pars).

— — Claus, 1866, p. 13: pl. 1 (pars).

— — Grebnitzky, 1873, p. 240: pl. 2 (quest.).
 — — Matoda and Anraku 1955, p. 212 Idem: Is.

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31
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4
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- --, Honjo et al, 1957. pp. 120-128
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- --, Omori, 1965. pp. 18-27
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(see back)

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~~XXXVII~~, ~~XXXIV~~, ~~XXXVIII~~, L, LIV, LVI

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- , Steuer, A., 1923, pp. ~~58~~, figs. 1-11? (Acartiura)
193-6
- , Stormer, 1929, p. 37
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- , Stock & Vos, 1960, p. 204
- , Schwarz, 1960, p. 293-6, fig. 2
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- , Celebrook, 1972, pp. 207-209, figs. 4-5.
- , Kos, 1958, p. 191
- , Lubni-Gertsik, 1959, p. 71
- , Ripplingale and Hodgkin, 1974, pp. 81-90, fig. 8.
- , Cushing, 1951, p. 161
- , Dunbar, 1956, p. 187
- , Alcaraz, 1976, pp. 60 - 72, figs. 2&3.
- Siefken & Armitage, 1976, pp. ~~50~~ 601

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- ~~S~~, Vives, 1972, p. 224.
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(Table. 1)
- , VYSHKVA RTZEVA, 1976: 33, 34
- , KNATZ, 1978: 68, 70
- , LINDQUIST, 1959: 6
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- Cozon du Rest, 1963, pp. 149-150
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- Hamond, 1973, p. 338.
- Frolander, 1962, p. 659.
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- , Furuhashi, 1961: 108
- , Bjornberg, 1963: 66, 9, 100 (table), tables 10 & 17
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- , TANAKA, 1964b: 12
- , MARSHALL & ORR, 1966: 513-530 (RESPIRATION & FEEDING)
- , POULET & MARSOT, 1978: 1403-1405
- , HIROTA & HARA, 1975: 118, 119, 120, 121; FIGS. 5-6
- , HIROTA & UNO, 1977: 77, 78, 79, 81, 83, 84; FIG 3 (EGGS); FIG. 4
- , HIROTA, 1979a: 11, 14, 15, 16; FIGS. 3-4
- , CORRAL & ALVAREZ-OSORIO, 1978: 141, 143, 144, 145, 147, 160, 161, 138
- , HOPKINS, ET AL., 1978: 636
- , LANDRY, 1978: 1104, 1108-1112; FIG. 3, 7; TAB. 1
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CARD 8

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- , GAULD, 1957: 510
- , MILSTEIN, 1977: 73
- , CARTER, 1965: 345, 357, 353; FIG. 8
- , HELPY & SMOL, 1976: TAB. 5
- , HERMAN, ET AL, 1968: 74, 75, 80-81; FIG. 12, 14; TAB. 2, 3
- , GAUDY, 1971: 65, 67, 68, 69; FIG. 1 & TAB. 1
- , GAULD & RAYMONT, 1953: 447-460; FIG. 1 & TAB. 1, 4, 6
- , GAULD, 1966: 315, 318
- , BREEMEN, 1906: 6, 12, 14

A. CLAUSI

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- , LACROIX & FILTEAU, 1971: 776, 791-796, 803, 809, 810;
FIG. 10, 11; TAB. 7-9, 17, 18
- , VYSHKVARTEVA, 1977: 20
- , KOS, 1977: 37-39, 43, 46, 47, 48, 50, 52, 53
- , CHISLENKO, 1977: TAB. 3
- , DAGG & LITTLEPAGE, 1972: 169
- , FLEMINGER & CLUTTER, 1965: 101; TAB. 2, 4, 7, 9, 10
- , BEAUDOUIN, 1973: 125, 157-160, 167; FIG. ~~20~~ 21,
22; TAB. 1
- , ITOH, 1970: 9; FIG. 4; TAB. 1, 2
- , PAFFENHOFER, 1976: 55

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CARD 9

- Hirota, 1969b: passim.
- , MARTIN, 1968: 65
- , HEINLE, 1969: FIG. 5, 9, 16
- , LANCE, 1965: 158; TAB. 2
- , BOUSFIELD 1955: p. 54; TAB. IX.
- , BRIAN 1927: 10, 16; TABS. IV & VI.
- , CRISAFI 1972: 1, 2.
- , FIGUEIRA 1971: 141.
- , CHENG et al. 1965: 3.
- , CRISAFI et al. 1973: 101, 102, 105, 106, 109, 110, 112

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- , CHATTON 1911: 1, 2.
- Ye & Chen, 19--: 16
- Marques, 1947: 36-37
- Heberer, 1932; ~~265~~ 265, passim, fig. 88, 89 & 92-96

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card 10

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figs. 1&2

--, Kasahara, S., S. Uye, & T. Onbé, 1975, p. 27, fig, 5

--, Turner, 1981, p. 369, tbl. 2

--, Ueda, 1978, p. 55-66

--, Uye, 1980, p. 11-18

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--, Grice & Marcus, 1981, passim

--, Ueda, 1981, passim

--, Ueda, 1980, passim

Ueda, 1982, *passim*

—, Gardner & Szabo, 1982, p. 28, 414-415, fig.
28.1.1.

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—, Cannicci, 1959: *passim*.

—, Lacroix, 1966: 52

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—, Mohr, et al, 1961: tbl. 3

—, Monod, 1931: 400

—, Uye, 1981: 255-271

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- , NISHIDA, 1984: 38
- , SATO & HIRANO, 1978: 151-153
- , PETERSON & MILLER, 1977: 718, 720-722 (as A. CLAUSII)
- , ANRANKU & KOZASA, 1978: 96, 102?, 106?
- , HIROTA, 1982: 51
- , HIROTA, 1981: 21, 22
- , PAFFENHÖFER, 1984: 330
- , HIROTA ET AL., 1983: 1249-1251
- , SPECCHI & VALLI, 1979: 134

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CARD 12

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

-- MILLER ET AL. 1984: 1287

-- ANRAKU 1975: 83-86, FIG. 6

-- PROFANT + MEURICE 1982: 158-163, PL. I FIG. 1, PL. II FIG. 7.

-- MASSUTI' + NAVARRO 1950: 20.

-- NIVAL + NIVAL 1973: 135-144.

-- CLAUSI, MAUCHLINE 1972/73: 27-41.

-- UYE + KASAHARA 1978: 114

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card 13

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-- UYE 1980a: 1-10

-- UYE 1984a: 44, 47, 48, 49

-- UYE 1984b: 163-174

-- PATRITI ET AL 1984: 135-142, MARSEILLES

-- PATRITI 1984a: 155-161, Gulf of Fos-SUR-MER

-- PATRITI 1984b: 165, MARSEILLES

-- WILLIAMS 1973:

-- WICKSTEAD 1962: 545, 546

- Tanaka, 1965a: 35, fig. 4a-c

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CARD 14

- KOGA 1973: 32, FIGS. 3, 6, 7, 12, 13, 14, p. 39-JAPAN
- KOGA 1984b: 104, 188; 127, 133-134, FIG. 18, TABLE 2-(17)
- SAGE ET AL 1976: 86, TAB. 1- POTOMAC RIVER
- IWASAKI ET AL 1977: 55-61, JAPAN
- IWASAKI ET AL 1984: 75-93, JAPAN
- GRICE & HART 1962b: TABLE 3, W. N. ATLANTIC
- STEPANOV & SVETLICHNII 1976a: 42, 44, 46
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- PECHEN' FINENKO & PAULOUSKAYA 1976: 23
- Saint-Jean & Pagano 1985: 3205

- Deevey, 1952b: 131, 146
- Deevey, 1952a: 91
- Deevey, 1960a: 15, 31-32
- Deevey, 1960b: passim
- Dakin & Colefax, 1940: 106, Fig. 157a-c.
- Dakin & Colefax, 1933: 218, 207
- ALVAREZ, M, 1985: 183
- BRESCIANI, 1986: 141
- Dawson & Knatz, 1980: 16, pl. 3, fig. a-g
- Hure, 1955: 35
- Hure, 1961: 27

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card 15

-- Piontrovskiy & Petipa 1975:3-11

-- SAZHINA 1975: 82, 84

-- PETIPA 1975: 36, 38-39, FIG. 7

-- VILELA 1972: 2, 11, 12

-- TRUJILLO-ORTIZ 1986: 188, 200, 201

- CLAUSII, LABBÉ 1929: 563-616, FIGS. II, V (PART), VIII (PART), IX,

XIIe, XIIIe, XVII b - REPRODUCTION/DEVELOPMENT.

-- GRANDORI 1913: 394, 401, 423, 430-439, PL. X FIGS. 168-211

-- UEDA 1987: 65, = A. HUDSONICA + A. NORII IN NW PACIFIC;

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CARD 16

- ZAMORA SANCHEZ 1974: 45, 47
- AMBLER ET AL. 1985: 177-195, SAN FRANCISCO BAY
- YAMAJI 1951: 10, FIGU BAY, JAPAN
- TOKIOKA 1951: 13, 15, 18, 22-23, FIG. 6, FIGU BAY, JAPAN
- UEDA 1987b: 691-692, 696-698, = A. omoii + A.

HUDSONICA IN NW PACIFIC RECORDS

- HERDMAN ET AL. 1910: 228-297, ISLE OF MAN.
- HERDMAN + SCOTT 1911: 220-223, ISLE OF MAN.
- HERDMAN + SCOTT 1912: 143-145, ISLE OF MAN.

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- HERDMAN ET AL. 1913: 213-215, ISLE OF MAN
- HERDMAN ET AL. 1914: 289-290, ISLE OF MAN.
- HERDMAN ET AL. 1915: 232-233, ISLE OF MAN.
- HERDMAN ET AL. 1919: 31, ISLE OF MAN
- ACARTIA, HERDMAN ET AL. 1920: 82, ISLE OF MAN.
- Cor Kett, 1981: 173-178, fig. 1a, c-f.
- Turner & Ferrante, 1979: 673 feeding
- Uye, 1985: 440-447, Pl. 1-3, fig. 2,
- Ueda, 1986b: 134-138 (Japan), fig. 2 k-l
- Ueda, 1986d: 59

- Vives, 1978: 266, 284
- ASSIS ET AL, 1984, 218-, RIA DE FARO-OLHÃO,
PORTUGAL
- RAE + FRASER 1941: 195-, SOUTHERN NORTH SEA
- REGNER 1987: 374-, ADRIATIC
- VYSHKVRTSEVA 1972b: 164, 165
- BRUZZONE ET AL. 1982: 235, GULF OF GENOA
- CARLI 1966: 319-338, TUSCAN LITTORAL
- CARLI 1971a: 61-, LIGURIAN SEA
- CARLI + CRISAFI 1983: 58-59, PL. 8 FIG. 2, ITALY
- CARLI + SERTORIO 1964: 207-, LIGURIAN SEA

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card 18

-- Carli & Valente 1981: 731-, Ligurian Sea

-- IZAWA 1987: 174-

-- IANORA ET AL. 1987: 30

-- MAUCLINE 1988: 715

-- KIORTSIS ET AL. 1969: 38-, AEGEAN

-- SAGE & HERMAN 1972: 31-, SANDY HOOK BAY, N.J.

-- OHTSUKA ET AL. 1987: 567

-- MONTÚ 1980b: 57-, BRAZIL

-- DEMOTT 1988: 398

Acartia clausi Giesbrecht, 1889

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-- Davis 1977: 1

-- DAVIS 1982: 424-, NEWFOUNDLAND

-- DAVIS 1986: 28-, "

-- BARETTA + MALSCHAERT 1988: 69-, EMS ESTUARY,
NETHERLANDS / GERMANY

-- BAMSTEDT 1986: 11-

-- LE BORGNE 1986: 111-

-- MAYZAUD 1986a: 174-, FIG. 4.3G

-- CORNER ET AL. 1986: 264-

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- Tester 1986: 475-
- CITARELLA 1986: 278-, MARSEILLES
- BLADES-ECKELBARGER 1986: 32-, FIG. 10 G
- BJÖRNBERG, T. 1986: 233-, FIG. 11a - NAUPLIUS
- MAYZAUD + MAYZAUD 1986: 356-
- MYERS, R.A. + RUNGE 1986: 375
- NAGASAWA + NEMOTO 1986: 379-383, FIG. 1 A-L, TOKYO BAY
- RUNGE + MYERS 1986: 444-445
- CHEN^{Q-C}, 1986: 527-

Acartia clausi Giesbrecht, 1889

card 21

-- Dexter 1986: 547-550, Puget Sound

-- MORAİTOU - APOSTOLOPOULOU ET AL. 1986: 575-583,
SARONICUS GULF, GREECE

-- VILLATE + ALCARAZ 1986: 610-, BILBAO, SPAIN

-- MARTEUS, P. 1975: 80

-- PAFKENHÖFER + STEARNS 1988: 35-37

-- KIMOTO ET AL. 1986: 142; = A. ONORII

-- Ayukai, 1987: 45-50 fig. 1 table 2 Onagawa Bay

-- Ayukai, 1987: 137-148 figs 2-3 tabs I-IV Onagawa Bay

- Ayukai, 1987: 579-586 figs 1-3, tabs 1-7
Onagawa Bay, Japan
- Schnack, 1983: 50 tab 1 NW Africa
- Soldevilla, et al. 1988: 60 Canary Islands
- Dey, et al 1988: 321
- Franz, et al. 1984: 86- figs 1-3 tabs 1,4 North Sea
- * - KAWABATA 1989: 1270
- CECCHERELLI + FERRARI 1982: 337-, LAGOONS,
ITALY
- CARRADA ET AL. 1987: 151-, LAGOONS, ITALY
- RODRIGUEZ + VIVES 1984: 242-, MALAGA
- DUMONT + MAAS 1988: 4, 6, IVORY COAST

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card 23

- Kikuchi 1930: 36-, lakes, Japan
- CLAUSII, FERRARI & HAYEK 1990: TAB. 1
- , UYE & FLEMINGER 1976: 253-, CALIFORNIA
- CITARELLA 1989: 123-, ST. LAWRENCE GULF, CANADA
- CLAUSII, LANDRY 1978: 77-119, WASHINGTON STATE COAST
- ROMAN ET AL. 1988: 21-, US COAST (GULF STREAM)
- BAMSTEDT 1988: 54-, SWEDEN
- CLAUSII, RUNGE 1988: 65-
- CLAUSII, HUNTLEY ET AL. 1983: 159

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- Huntley & Boyd 1984L 466-
- HUNTLEY ET AL. 1986: 116 -
- HUNTLEY 1988: 88 -
- TESTER 1985: 45-53
- IANORA + SCOTTO DI CARLO 1988: 247-, MEDITERRANEAN
FIG. 2
- NAGASAWA 1988: 257 -
- McLAREN & CORKETT 1984: 828 -
- McLAREN & MARCOGLIESE 1983: 722

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card 25

- (A. omorii), Uye 1988: 292
- UYE ET AL. 1987: 428-, INLAND SEA, JAPAN
- UYE & MATSUDA 1988: 285
- HO & PERKINS 1985: 593-
- TURNER, J.T. 1984d: 5-, FEEDING
- GAEDKE 1990: 187-, EMS-DOLLART ESTUARY
- BURRELL & ZWERNER 1972: 139, CHESAPEAKE BAY
- SHIH ET AL. 1971: 29-, CANADA-ATLANTIC, 141-PACIFIC; 200, ARCTIC

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card 26

-- Brylinski 1984:91-101, Dunkirk

-- CITARELLA 1984:138-, SHEDIAC BAY, NEW BRUNSWICK,
CANADA

-- CORKETT 1984:150-, AS CLAUSII

-- LAKKIS 1984:289-, E. MEDITERRANEAN
(ACARTIURA)

-- DUSSART 1989:14-15, RANGE - AFRICA

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

-- ALVARIÑO 1989:69-, OFF S. CALIFORNIA

-- LEE, W. Y. + McALICE 1979:565-, DAMARISCOTTA R., MAINE

-- Williamson, 1963; pl. IV distrib. map

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card 27

-- Sabatini 1990:53-

-- SABATINI 1989: 854-855

-- SCHINDLER + COMITA 1966: 126-

-- HARDING + SMITH 1974: 11, FIG. 4f, g, BRITAIN

-- S.L., ORSI + MECUM 1986: 331, SACRAMENTO DELTA, CALIF.

-- FRYD ET AL. 1991: 683-

-- NAESS 1991: 29-32, NORWAY

-- OHMAN 1985: 28-

-- OHMAN 1988b: 535-

- Wiborg, 1944: 34, 52-54, 78, + pl. 2-3, f. 28
- KIDRBOE 1991: 239-
- HADA & UVE 1991: 155
- BAN & MINODA 1991: 299-
- FRANZ ET AL. 1989: 88
- BAN 1992 b: 361
- McKINNON ET AL. 1992: 239-, = A. TRANTERI IN SOME REFS.
- CLAUSII, CHEVE 1904: 355, ATL., MEDIT.
- GRANDORI 1914: 164, VENICE LAGOON

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card 29

-- Alekseev 1990b: 131, diapause

-- PETIPA 1969: 61

-- SAZHINA 1969: 96-111, LOPEPODID STAGES, BLACK SEA.

-- KOVALEV 1969: 177- , ADRIATIC, BLACK SEAS, ETC.

-- DUKA 1969: 209- , AS FISH FOOD, BLACK SEA

-- FERRARI 1993b: 767, TAB. 2

-- YAMASHITA + MOREIRA 1981: 41

-- BJÖRNBERG, T. 1986: 233, FIG. 11a - NAUPLIUS

-- NAGASAWA, K. 1989: 63-64, TAB. I

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-- Belmonte et al, 1994: 9

- WILSON, C. B. 1936: 369, AS "CLAUSII"; CANADIAN ARCTIC.
- LEGARÉ + MACLELLAN 1960: 434, PASSAMAQUODDY REGION, MAINE / NEW BRUNSWICK.
- FLEMINGER + KRAMER 1988: 536, TAB. 1, SAN DIEGO, CALIFORNIA, USA; AS "S.L."
- ASTHORSON + GISLASON 1992: 229, 233-234, TAB. 1, ICELAND.
- CARMAN + DOBBS 1997: 121, 124, TABS. 1, 2

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CARD 31

- ROSE 1927: 146, 156, OFF ALGERIA
- ROSE 1934: 54-81, OFF ALGERIA
- LANDRY 1978: 77-117, WASHINGTON STATE, USA
- ALCARAZ 1997: 185-188, FIG. 7, MEXICO
- BRODSKY 1948: 4, 71-72, PLS. XXII (5,6), SEA OF JAPAN
- CLAUSI, TANAKA + HUE 1966: 57, KYUSHU, JAPAN
- DEMOTT 1989: 150
- VAUPEL KLEIN 1998: 155, FIG. 2a

Acartia clausi gaboonensis Th. Scott 1894 ✓

---. Gianferrari, 1921, pp. 15

---, Gianferrari, 1923, p. 77

---, Steuer, 1923, pp. 7-8, figs.?

---, Bradford, 1976. pp. 159-202.

-- LABBE' 1929: 565

Pontellidae - Calanoida.

Acartia danae Giesbrecht.

— — Giesbrecht, 1889, p. 26

— — Cleve, 1900, p. 141; 1904, p. 184.

— — Giesbrecht & Schmiedt, 1898, p. 154.

— — Stebbing, 1910, p. 542.

Habitat. So. Africa: Tropical Pacific.

- — Giesbrecht, 1892, p. 508: pl. 30, f. 1, 23.
Planktarticia d-Steuer, 1915, p. 397. | pl. 43, f. 8
Acartia d-Wolfenden, 1906, p. 1023.
— — A. Scott, 1909, p. 187: T. Scott, 1912, p. 540.
— — Sewell, 1912, p. 376: 1914, p. 240.
— — Wolfenden, 1911, p. 357.
— — Farran, 1929, p. 282.
— — Rose, 1929, p. 48.
— — Cleve, 1900, p. 42. — — Matoda and Anraku
1955 p. 212 Idzu Is.
— — Wilson, 1932, p. 160: fig. 108
— — Wilson, 1942, p. 169
— — Sewell 1932, p. 397
— —, Carvalho, 1945, p. 98-99, pl. 9, fig. 11.
— —, Carvalho, 1952, p. 151-152, pl. 1, fig. 42. Bay of Santa.

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(2)

-- -- , Anraku, 1954, pp. 1-8 N W Pacific

— — , Mori, 1937, p. 102, JAPAN.

-- --, Cervigon, 1962. p. 185

-- --, Furuhashi, 1961. p. 7

-- --, Honjo et al, 1957. pp. 120-128

-- --, Decker, 1964. p. 17. South Africa

⊖ --, Grice, 1962. p. 240, pl. 34, fig. 16

-- --, Heinrich, 1961. p. 89 (vertical distribution)

-- --, Brodsky, 1962. p. 149, fig. 50

— — , Owre, 1962

A. danae, Omori, 1965. pp. 18-27

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

-- --, Tanaka, 1965, pp. 59-60, fig. 246 a-e

-- --, Vilela, 1968, p. 28

-- --; Park, 1970, p. 478.

-- --, Hure & Scotto di Carlo, 1968, p. 61.

--, Chiba, 1956, p. 14

A. (Plantacartia) danae Gies., Corral, 1970, pp. 206-7

A. danae, De Decker, 1962, p. 100

--, Gianferrari, 1921, p. 17

--, R Gianferrari, 1923, p. 78

- Marques, 1958 : 216

Acartia danae

card 3

A. (Planktacartia) danae, Paiva, 1971, pp. 29-30

" " ", Steuer, 1923, p. 123~~4~~, figs?

-- Crisafi, 1973, p. 374 (TABLE)

--, Sato, 1913, no. 28, pl. 8

--, Movchan, 1971, p. 64

--, Krylov, 1967?, p. 248

--, Bowman, 1971, p. 6 -

--, Bjornberg, 1971, p. 348

--, Hue, 1967, pp. 14 & 18.

--, Roe, 1972a, pp. 281-

--, Vives, 1972, pp. 224 & 238.

--, Crisafi, Crescenti, 1972, 222, 224, 226, 234-237

--, Frolander, 1962, p. 657, 670-672.

--, Furuhashi, 1966: 307, 310, 313

--, Furuhashi, 1961: 74, 108

--, Bjornberg, 1963: 62, 63, 9, 95, 97, 99, 100 (Table), 104,
104 (3 tables), tables 8+10, 115, 121, 122; Table 17, 126

--, A. (PLANKTACARTIA) DANAE VERVOORT, 1965: 195-196

--, WHEELER, 1970: 4

--, DEEVEY, 1971: 229; FIG. 9; TAB. 3

--, BINET & DESSIER, 1971: 439, 456; FIG. 15

--, BINET, ET AL., 1972: 133, 136

ACARTIA DANAE

CARD 4

- , ITOH, 1970: TAB. 1
- , FASHAM, ET AL.; 1974: 98
- , OWRE & FOYO, 1972: 506
- , OWRE & FOYO, 1964b: 368
- , CALEF & GRICE, 1966 (UNPUBL.) IN KETCHUM &
RYTHER (1966) (UNPUBL.): TAB. 2; APPENDIX
- , EVANS, 1961: 194
- , ARCOS 1978: TAB. III.
- , CRISAFI 1972: 2.

- , FIGUEIRA 1971: 141.
- , CHENG et. al. 1965: 2.
- , Chiba & Hirakawa 1972: 74, 77; Tab. 2; Fig. 2.
- , CARVALHO 1952: 151-152; Pl. 1, fig. 42.

Acartia danae

card 5

--, Shmeleva, 1973, p. 538

--, Gardner & Szabo, 1982, p. 28, 416-417, fig. 28.1.2

--, Marques, 1953, p. 121-122, fig. 6b.

--, Sree Kumaran, et al, 1981: passim

- Ramirez, 1969: 85, fig. 130, 132, 133

- Bjornberg, 1968: 124, pl. 24, fig. 1-7

pl. 25, fig. 4-7, 13-16

--, PETERSON + MILLER, 1977: 718, 722

--, MASSUTI + NAVARRO 1950: 20.

Acartia danae GIESBRECHT, 1889

card 6

-- Tranter 1977: 593-625

-- KOGA 1984b: 134-135, 188

-- GRICE + HART 1962a: 293-297, WEST N. ATLANTIC

-- GRICE + HART 1962b: TABLE 3

- Deevay, ~~1950~~ 1952a: 90

- Deevay, 1960: 15

- Dakin & Colefax, 1940: 106, fig. 158a-b,

- Dakin & Colefax, 1933: 207

- Bjornberg, 1981: 661, fig. 223#3

- Dawson & Knott, 1980: 17, pl. 4 fig. a-c

- Deevy & Brooks, 1977: 265
- DeDecker, 1984: 317
- MADHUPRATAN & HARIDAS, 1986: 111, 112, INDIAN OCEAN
- MICHEL ET AL. 1986: 39,
- Vives, 1978: 266, 284
- MAUCHLINE 1988: 715
- STEPHEN & RAO 1985: 469-, ARABIAN SEA
- BJÖRNBERG, T. 1986: 59-
- BJÖRNBERG, T. 1986b: 233-, FIG. 11c - NAUPLIUS
- PAFFENHÖFFER & STEARNS 1988: 33, 37

Acartia danae Giesbrecht 1889

card 7

-- Soldevilla, et al. 1988: 60 Canary Islands

-- DESSIER + DONOUY 1987: 14,397-, EASTERN
EQUATORIAL PACIFIC

-- RODRIGUEZ + VIVES 1984: 242-, MÁLAGA

-- CUMMINGS 1982: 327, GULF OF MEXICO

-- JIMENEZ-PEREZ + LARA-LARA 1988: 1267,
GULF OF CALIFORNIA

-- SUAREZ M., E. + GASCA 1989c: 94-, COSTA RICA DOME

-- MEDINA-GAERTNER 1988: 267, SENEGAL

Acartia danae Giesbrecht 1889

card 8

- Copley et al. 1989:11-, nw Atlantic
- GRANT 1977: 4-9-, OFF NEW JERSEY
- SHIH ET AL. 1971: 141, CANADA - PACIFIC
- (ACARTIA) -, DUSSART 1989: 14-15, RANGE - AFRICA
- ALVARIÑO 1989: 69-, OFF S. CALIFORNIA
- SUÁREZ, E. ET AL. 1990: 126-, W. GULF OF MEXICO
- MARUKAWA 1908: 14, Pl. II FIGS. 149-163, OFF JAPAN
- REID 1990g: 184, ST. LUCIA
- CLEVE 1904: 355, MEDITERRANEAN

Acartia danae Giesbrecht, 1889

card 9

-- Suarez M., E. 1992: 151, w. Gulf of Mexico

-- SUAREZ + GASCA 1991: 596, GULF OF MEXICO

-- BINET + DESSIER 1968: 10

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

ALARTIA DANAE GIESBRECHT, 1889



-- ROSE 1934: 54-81, OFF ALGERIA

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

Acartiidae - Calanoida,

Acartia denticornis Brady, ♀.

— — Brady, 1883, p. 73: pl. 31, fig. 1: pl. 32, fig. 12-17.

— — T. Scott, 1894, p. 66.

— — Thompson, 1888, a. p. 149: 1888. c. p. 141.

— — Giesbrecht, 1892, p. 508: doubtful.

Habitat. Congo River & Loanda Harbor.

-- Giesb. & Schmeil, 1898, p. 156.

-- SHIH ET AL. 1971: 30-, QUESTIONABLE RECORD,
CANADA-ATLANTIC

-- HERRICK 1887: 7

Acartiidae - Calanoida,

Acartia discaudata (Giesbrecht), ♀.

Dias vs Giesbrecht, 1882, p. 148: pl. 3, f. 4, 22, 23: pl. 5,

Acartia a. T. Scott, 1906, p. 304 [f. 18: pl. 6, f. 17: pl. 8, f. 32

— a. G. O. Sars, 1903, p. 152: pl. 102, -33: pl. 9, f. 30

— a. Canu, 1890, p. 476: p. 23.

-- --, Lance, 1964, p. 114

Habitat. British Seas; Gulf Finland:

Kieler Föhrd: Wimeroux:

--, BREMEN, 1906: 6, 12, 14

- — a. Giesbrecht, 1892, p. 507: pl. 43, f. 2, 24.
Dias — vs Braun, 1884, p. — : 1888, p. —
— — Thompson, 1887, p. —
— — de Guerne, 1887, p. —
— — Canu, 1888, p. 82,
Acartia — a Arrivillius, 1898, p. 38.
— — Giesb & Schmeil, 1898, p. 153.
— — Timm, 1894, p. 380
Acartiura — Steyer, 1915, p. 394.
Acartia — Thompson, 1893, p. 182: pl. 15, f. 6, c.
— — Gurney, 1931, p. 228.
— — Wilson, 1932, p. 163: fig. 111
— — Mathias + Euzet, 1951, p. 195. Étang de Thau.
— — , Conover, 1957. Seasonal distrib., Southampton, England.

Acartia discaudata

card 2

- --, Apstein, 1905, p. ~~VII~~, ~~VIII~~, ~~XXVI~~
- - , Bernard, 1970, p. 43
- (Acartiura)-, Steuer, 1923, p. 99, figs?
- " -, Pesta, 1928, p. 65-6, fig. 54
- , Stock & Vos, 1960, p. 204
- , Steuer, 1910 , p. 597
- , Tranter & Abraham, 1971, p. 224
- , Crisafi, 1974, pp. 146, 148, 153, figure 3.
- , Bradford, 1976, pp. 159-202
- , Hamond, 1973, p. 338.
- , CORRAL & ALVAREZ-OSSORIO, 1978: 143, 144, 145, 147, 160, 161, 138
- , Fonseca & Prado, 1979b p. 11

- , Alcaraz, 1976, p. 70
- PATRITI 1984a: 160
- MÄEMETS & VELDRE 1956a: 19, 81, 84, PL. IX FIG. 7,
PL. X FIGS. 1-2, ESTONIA
- Heberer, 1932: 265, passim, fig. 90, 91
- LABBE' 1925: 563, 567 - CROISIC BAY
- UEDA 1987b: 698
- HERDMAN ET AL. 1910: PLATE B FIG. 3, ISLE OF MAN
- RAE & FRASER 1941: 207, SOUTHERN NORTH SEA
- BARETTA & MALSCHAERT 1988: 69-, EMS ESTUARY,
NETHERLANDS / GERMANY
- CITARELLI 1986: 278-, MARSEILLE

Acartia discaudata Giesbercht 1881

card 3

-- Soldevilla, et al. 1988: 60 Canary Islands

-- GAEDKE 1990: 187-, EMS-DOLLART ESTUARY

-- LAKKIS 1984: 289-, E. MEDITERRANEAN

-- HARDING + SMITH 1974: 11-, FIG. 4d, e, BRITAIN

-- Wiborg, 1944: 56

-- MOREIRA, G. 1975: 78

-- HOLMES 1983: 20, IRELAND

-- ROSE 1927: 146, 156, OFF ALGERIA

-- ROSE 1934: 78, OFF ALGERIA

ACARTIA DISCAUDATA

(4)

A. DISCAUDATUS, HERRICK 1887: 7

Acartia discaudata mediterranea STEUER

--Bradford, 1976, pp. 187.

--Crisafi, Crescenti, 1972, p. 224, 226-227,
235-237, Table 2, 3.

- Crisafi, 1972, p. 371-376 (TABLE 1, 2)

--, CRISAFI 1972: 2.

---, CRISAFI + CRESCENTI 1975: 209, 213-215.

--- CARLI + CRISAFI 1983: 66, FIG. 1 (PL. II), ITALY

-- VAR. -, RODRIGUEZ + VIVES 1984: 242, MALAGA

-- VAR. -, LAKKIS 1984: 289, E. MEDITERRANEAN

Acartiidae - Calanoida.

Acartia dubia T. Scott. ♀, ♂.

Paracartia

— — T. Scott. 1893, p. 69: pl. 8, f. 1-15. ♂

— — Thompson & Scott, 1903, p. 254.

— spinicardata T. Scott, 1893, p. 69: pl. 7, f. 41-42. ♀

— dubia Giesbrecht, 1897, p. 255.

Habitat, Red Sea.

— — Giesbr. & Schmeil, 1898, p. 156.

- (Paracartia)-, Steuer, 1923, p. ¹⁰⁶⁻⁷~~18-19~~, figs?

A. d., Forró' 1986: 560

(Acanthacantha)

ACARTIA DWEEPI HARIDAS & MADHUPRATAP, 1978

- HARIDAS & MADHUPRATAP, 1978: 176-178 ♀♂, FIGS. 1-13
- Madhupratap, et al 1977: Pl. 3
- MADHUPRATAP & HARIDAS, 1986: 111, 112, 113, INDIA
- STEPHEN & RAO 1985: 475
- MADHUPRATAP ET AL. 1991a: 951-, LACCADIVES

Acartiidae - Calanoïda.

Acartia ensifera Brady, ♂, ♀,

— — Brady, 1899, p. 33: pl. 9, figs. 8-15.

Acartiura (subg.) — Steuer, 1915, p. 394.

Acartia — Brady, 1918, p. 28: pl. 14, figs. 1-6.

- (Acartiura)-, Steuer, 1923, p. ~~40-41~~, figs?
Λ 98-9

Habitat, New Zealand -

--Bradford, 1976, pp. 159-202

--Mc KINNON ET AL. 1992: 254-

Acartia enzei

--, Crisafi, 1974, p. 146.

--Bradford, 1976, pp. 159-202

--Crisafi, Crescenti, 1972, p. 224, 236-237.

--, CRISAFI 1974: 5-6, 9-10; Figs. 3-5; Pl. II.

--, CRISAFI 1972: 2.

-- RODRIGUEZ & VIVES 1984: 242, MALAGA

Acartiidae - Calanoida.

Acartia erythraea Giesbrecht, ♀.

- - Giesbrecht, 1889, c. p. 26; 1891, p. 282.
- - Thompson & Scott, 1903, p. 254. 143, f. 12-13
- - Giesbrecht, 1892, p. 508: pl. 30, f. 5, 19, 32; pl.
- - Giesb. & Schmeil, 1898, p. 155.
- - - Unmerkutty, 1967, pp. 332-343.

Habitat. Indian Ocean: Red Sea; Malay Archipelago -

--, Madhupratap, et al 1977: t. 1.3

- — Cleve, 1901, p. 4: 1903, p. 355.
Odontacartia e — Steyer, 1915, p. 397.
Acartia e — Thompson, 1899, p. 284.; 1900: 284
— — A. Scott, 1902, pp. 408, 423: 1909, p. 107.
— — Wolfenden, 1905, p. 1023.
— — Pesta, 1912, p. 53: t. fig. 16: 1913, p. 32
— — Sewell, 1912, p. 377: 1914, p. 241.
— — brehmi, Früchtl, 1925, p. 58: figs.
— — Sewell 1932, p. 396
— — Sewell, 1933, p. 29. Malaya.
— — Matoda and Anraku 1955, p. 212, Idzu Is.
— —, MORI, 1937, P. 102, YELLOW SEA, JAPAN.
— —, ♂ descr. — Chiba, 1956, p. 50, fig. 41 A-J.
— —, Menon, 1931, p. 510.
— —, Kartha 1950, p. 259

Acartia erythraea Giesbrecht card 2

--, Kasahara, S., S. Uye, & T. Onbé, 1974, p. 170,
figs. 1&2

--, Kasahara, S., S. Uye, & T. Obne, 1975, p.27, fig. 4

--, HIROTA, 1981: 20, 21

-- TRANTER 1977: 593-625.

-- KOGA 1984b: 127, 134-135, FIG. 19, 20, TABLE 2-(18)

-- UYE + MURASE 1997: 98, INLAND SEA, JAPAN

Acartia (Odontacartia) erythraea Giesbrecht

- --, Wellerhaus, 1969, p. 276, 247, S. INDIA
- --, Saraswathy, 1967, p. 85
- --, Chiba, 1956, p. 39; male nov., p. 50, fig. 62,
 fig. 41 (p. 39)
- , Cleve, 1901, p. 1
- , Mori, 1942: 555
- , Gianferrari, 1921, p. 16
- , Gianferrari, 1923, p. 78
- , Furuhashi, 1961: 108
- , Sreekumaran et al 1981: passim
- , Madhupratap & ... 1975: passim

--, Rose, 1955, p. 391

A. (Odontacartia) erythroea, Rose, 1956, p. 462

" " ", Steuer, 1923, p. 118-120, figs?

---, Fruchtl, 1924, p. 58, 60

--, Hue, 1967, p. 14

--, Bjornberg, 1963: 100 (table), 104 (table 7), table 17

--, HIROTA & UNO, 1977: 77, 78, 79, 81, 83, 84; FIGS. 3 (EGGS), 7.

--, HIROTA, 1979a: 14; FIG. 3

--, Grice & Marcus, 1981, passim

--, Ueda, et al., 1983, passim

-- Medhupratap, et al 1975: passim

ACARTIA (ODONTACARTIA) ERYTHRAEA GIESBRECHT

- , SATO & HIRANO, 1978: 151
- UYE & KASAHARA 1978: 112, 116
- UYE ET AL. 1984: 392-396, 400.
- UYE 1984b: 165
- GOSWAMI 1983: 254-257, INDIA
- KOGA 1984b: 134-135, 188
- Nishida, 1985: 137
- Tanaka, 1965a: 35, fig. 5a-d
- , MADHUPRATAP & HARIDAS, 1986: 111, ^{114,} INDIAN OCEAN
- Kimmerer et al. 1985: table 4

— Uye, 1985: 441, Pl. 1

— Uye, 1986c: 35-42, fig. 1-4 ~~graphs~~ graphs.

-- STEPHEN 1984: 166-, ARABIAN SEA

--- STEPHEN + RAO 1985: 469-, ARABIAN SEA

-- CHEN, Q-C + ZHANG 1986: 274, SOUTH CHINA SEA

--- Uye, 1986: 35- figs 1-4 Inland Sea, Japan

-- UYE ET AL. 1987: 428-, INLAND SEA, JAPAN

-- UYE + MATSUDA 1988: 281-, " " "

— (O.) —, DUSSANT 1989: 14-15, RANGE-AFRICA

-- BAN & MINODA 1992: 54

— ERYTHRAE, ALEKSEEV 1990b: 131, DIAPAUSE

Acartia (Odontacartia) erythrea Giesbrecht

card 5

A.e., BINET + DESSIER 1968: 14.

A.e., TANAKA + HUE 1966: 59, KYUSHU, JAPAN

Acartiidae - Calanoida

Acartia erythraea brehmi Früchtl, ♀.

— — — Früchtl, 1923, p. 451: figs. 1-3

-- -- Ummerkutty, 1967, pp. 332-343.

--, Tranter & Abraham, 1971, p. 224-, fig. 2, 8, 16, 17, 18,
19

----, Fruchtl, 1924, p. 5860, fig. 40, 38, 39

Habitat. Aru Island.

Acartia (Odontacartia) erythraea var. valdiviae

----, Fruchtl, 1924, p. 58

Acartia (Acartiura) fancetti McKinnon, Kimmerer &
Benzie, 1992

--- McKinnon et al. 1992: 239, 247, 250, 254-257,
Figs. 6c,d, 10, Westernport Bay and Port Phillip
Bay, Australia

Acartia Farcai Oliveira, 1945, p. 459-
pl. 6, fig. 1, 2, 8. [♀ dorsal, ant. 1, p. 5♀].
Rio de Janeiro.

--, Bjornberg, 1963: 61 (a synonym of A. lilljeborgii)

Acartiidae-Calanoida

Acartia floridana Davis

Davis, C.C., #---- 1948, pp. 82-84, pl. I, figs-2-5,
pl. II, figs. 6-9.

--Bradford, 1976, pp. 159-202

--, Bowman, 1965, p. 150.

--, Bjornberg, 1971, p. 348

--, Bjornberg, 1963: 100 (table)

--, DAVIS 1950: Tab. V - p. 91.

-- REID 1990g: 184

Acartia forcipata Thompson & Scott, ♀.

— — Thompson & Scott, 1897, p. 81: pl. 7, f. 3-10

— — Giesb. & Schmeil, 1898, p. 156.

- (Planktcartia)-, Steuer, 1923, p. 125, figs?

-- LABBE' 1929: 592

-- SHIH ET AL. 1971: 30

Habitat. Gulf St. Lawrence.

Acartiidae - Calanoida

Acartia (Acanthacartia) fossae, Gurney. ♀♂. 1

— — Gurney, 1927, p. 156: fig. 22, A—F.

-- --, Grice, 1964. p. 262, fig. 38-40

--, HARIDAS + MADHUPRATAP, 1978: 177

--, BINET + DESSIER, 1971: 439

Habitat. Suez Canal.

--. Binet + Dessier 1968: 16, Nosy-Bé. fig. ~~16~~ 16, 17a-e

— Nishida, 1985: 136, fig 6a-d

~~Bin~~ STEPHEN + RAO 1985: 467, 969, Figs. 1c, d,

INDIAN OCEAN

Acartia (Acanthacartia) fossae Gurney, 1927 card 2

-- Lakkis 1984:289-, e. Mediterranean; FIG 7

--- DUSSART 1989:14-15, RANGE-AFRICA

A.S., BINET + DESSIER 1968:16, FIGS. 16, 17a-c. OFF
MADAGASCAR; SYN OF A. HAMATA? OF A. RANSONI?

--, FLEMINGER + KRAMER 1988:537

Acartiidae - Calanoida.
Acartia giesbrechti Dahl, ♀.

— — Dahl, 1894, p. 22: pl. 1, f. 15-18.

— — Giesb. & Schmeil, 1898, p. 154.

Acanthacartia g — Steur, 1915, p. 396.

- " —, Steuer, 1923, p. ~~3~~¹¹¹, figs?

—, Oweke & Foye, 1972: 501, 506; TAA. 6

Habitat. Mouth of Tocantins: Atlantic coast of N. America

- Bjornberg, 1981: 661, fig. 223 #6

--, Bjornberg, 1963: 62, 66, 9, 94, 96, 99, 100 (Table), 128

Acartiidae - Calanoida.

Acartia gracilis Herrick, ♀.

- - Herrick, 1887, p. 7: pl. 1. ? valid. ⁷⁷
- - Giesbrecht, 1892, p. 509, doubtful. _{n. sp.}
- - Giesb. & Schmeil, 1898, p. 156.
- - FOSTER 1904: 75-77, NEW ORLEANS ESTUARIES

Habitat. Gulf of Mexico.

Acartia (Paracartia) grani G.O. Sars, 1904

--, Corral, 1970, pp. 208-9, pl. 54, 55

---, Steuer, 1923, p. ~~17-18~~, figs?
105-6

--, Alcaraz, 1976, p. 70

--, CORRAL & ALVAREZ-OSSORIO, 1978: 138

--, ANDRONOV & MAIGRET 1980: Tabs. 2 & 3.

---, Marques 1953, p. 121

-- VILELA 1972: 1-20 + PLATES I-XVIII, SADO ESTUARY,
PORTUGAL; DEVELOPMENT.

-- ASSIS ET AL. 1984: 221-, PORTUGAL

-- Soldevilla, et al. 1988: 60 CANARY ISLANDS

Acartia (Paracartia) grani G. O. Sars, 1904 card 2

-- Rodriguez & Vives 1984: 242-, Malaga

-- SABATINI 1990: 54 -

-- SAIZ & ALCARAZ 1991: 873-883, MASNOU, SPAIN

-- ALCARAZ 1997: 179, 184, 187-189, Figs. 3b, 9

Acartia gravelyi Sewell

____ Sewell 1919, p. 10, pl. 9, fig. 7; pl. 10, figs.
1, 4, 5. (Acartiella)

____ Sewell 1932, p. 393

-- --, Wellen~~ER~~²⁷⁰shaus, 1969, pp. 267-~~268~~²⁷⁰, S. INDIA

-- , Tranter & Abraham, 1971, p. 224, see Acartiella g.

-- GOSWAMI 1983: 254-257, INDIA - or ACARTIELLA G.

Acartia hamata Mori

— — Mori, 1937, p. 104, pl. 51, fig. 1-5. ♀ only.
East China Sea, near Amamioshima.

— — , Chiba, 1953, pp. 726-728, fig. 1, A-K. ♀+♂. China Sea,
off Tanegashima (131°E, 30°40'N).

---, Chiba pp. 726-728, fig. 1. Vol. 19, no. 6 Oct. 1953.

---, Chiba, 1956, p. 40

— Mori, 1942: 555, pl. 10, figs 1-2

-- BINET & DESSIER 1968: 16; A. FOSSAE GURNEY A SYN.?

Acartiidae-Calanoida

Acartia hamata Wilson

Wilson, B.C., 1950, pp. 152-153, Pl. 2, Figs. 1-5

not the same as A. hamata Mori 1937

! synonym of A. bispinosa Carl. - Grice, 1964, p. 261.

--, HARIDAS & MADHUPRATAP, 1978: 177

--, JOHNSON, 1954: 309, TAB. 1

--, Ueda, et al., 1983, passim

--, Walter & Pasamonte, 1981, p. 447

(Acartia)
Acartia hudsonica

Pinhey, 1926

-- Pinhey, 1926: 184, figs. 3-4. (A. clausi hudsonica)
-- Bradford, 1976, pp. 159-202.

--, SKIVER, 1980: 230, 231, 235-244; Figs. 3-10

--, Turner, 1982, passim

-- CONLEY & TURNER 1985: 115, MASSACHUSETTS, USA

-- UYE 1984b: 172 (= A. clausi in DURBIN & DURBIN 1987)

-- Turner & Dagg, 1983: 14, Tbl. 2

-- UEDA 1987: 65-73, MAIZURU BAY - JAPAN

-- UEDA 1987: 691-700, MAIZURU BAY - JAPAN; A. clausi

IN SOME NW PACIFIC RECORDS = A. H.

-- Sullivan & McManus, 1986: 121-128

-- Turner & Anderson, 1983: 359-374 feeding

- Ueda, 1986a: 124-133, fig. 1a-k, 2a-f,
3-5 are graphs. (Japan)
- Ueda, 1986b: 134-138, fig. 2 f-j
- Ueda, 1986d: 59-60
- MAYZAUD 1986a: 214-
- IVEY 1986: 562-564, NOVA SCOTIA
- YANG ET AL. 1986: 619-622, HALIFAX, N.S.
- KIMOTO ET AL. 1986b: 143
- McLaren, 1986: 1345
- Ayukai, 1987: 50
- TURNER ET AL. 1983: 89-, PECONIC BAY, LONG ISLAND
- TESTER & TURNER 1988: 215-

Acartia hudsonica Pinhey, 1926

card 2

-- McLaren & Marcogliese 1983: 721-, Nova Scotia

-- McLAREN, TREMBLAY ET AL. 1989: 580

-- UVE 1988: 291-

-- SHIH ET AL. 1988: 319-324, BRAS D'OR LAKES,
NOVA SCOTIA

-- TURNER, J.T. 1984d: 5-, = A. CLAUSI

-- HARDING, G., ET AL. 1980: 32-, NOVA SCOTIA

-- PETERSON, W. + DAM 1990: 450-, LONG ISLAND SOUND

A. CLAUSI HUDSONICA, FRYD ET AL. 1991: 683-

Acartia hudsonica Pinhey, 1926

card 3

-- Ohman 1990:276-

-- MCKINNON ET AL. 1992: 257

-- OHTSUKA, UEDA + LIAN, 1995: 158, 159, TAB. 1

-- CARMAN + DOBBS 1997: 120, 123, TAB. 1

-- HEUCH + KARLSEN 1997: 735 - 736

-- LIANG + UYE 1997: 420

Acartiidae - Calanoida.

Acartia intermedia (Toppe), ♀.

Dias — us Toppe, 1885, p. 173: pl. 547.

— — Canu, 1888, p. 7.

Acartia — Giesbrecht, 1892, p. 508.

A. bifilosa, var — Giesbrecht & Schmeil, 1898, p. 154.

A. INTERMEDIA, BREEMEN, 1906: 12, 13-14

Habitat. Jahdebusen.

— intermedia, Timm, 1894, p. 380

Acartia iseana ITO, T.

-- -- 1956, ITO, T. pp. 468-470, Figs. 1, Lakes Japan.

(Eel culture ponds - w. coast Ise Bay).

-- -- Ito, 1957. pl. 25, fig. 5-8.

-- TRUJILLO-ORTIZ 1986: 200

-- UEDA & HIROMI 1987: 230 -, SYN. OF A. SINJIENSIS

Acartiidae - Calanoida.

Acartia italica Steuer, ♂·♀., 1910

— — Steuer, 1910, pp. 593-597, figs. 1-6

— (Acanthacartia) — Pesta, 1921, p. 547: t-f. 63.

Acanthacartia i — Steuer, 1915, p. 396.

" " " Steuer, 1923, p. 91-110, figs?

— Crisafi (resceni, 1972, p. 224, 228, 235-237)

Habitat. Gulf Brindisi, Adria. (Table 4)

—, CRISAFI & CRESCENZI 1975: 209, 213-215.

- , Dolzonolskaya, 1970, pp. ~~44~~ 45, = Acanthacartia i.
- , Crisafi, 1974, pp. 145, 147, 153, fig. 2.
- , Crisafi, 1973, p 374 TABLE
- , CRISAFI 1972: 2.
- PATRITI ET AL 1984: 138-141, MARSEILLES
- PATRITI 1984a: 156-160, Gulf of Fos-sur-MER
- CARLI + CRISAFI 1983: 63, PL. 10 FIG. 1, ITALY
- CITARELLA 1986: 278, MARSEILLE
- LAKKIS 1984: 289; E. MEDITERRANEAN
- SABATINI 1989: 853
- JAZHINA 1969: 96-

ACARTIA ITALICA STEUER, 1910

CARD 2

-- BELMONTE ET AL. 1994:9

Acartia japonica Mori

— Mori, 1940: 328 - , fig. 1-5

-- Ueda, et al., 1983, passim

— Ueda, 1986c: 11 - 17 , fig. 1A-H, 2a-g, 3a-e

Cartia (Acartium)
Artica jilletti

--Bradford, 1976, pp. 159-202.

-- MCKINNON ET AL. 1992: 254-

Acartia josephinae CRISAFI

- , Crisafi, 1974, p. 146.
- Crisafi, Crescenti) 1972, p. 224, 236, 237,
- , CRISAFI 1974: 5-6, 9-10; Figs. 1-2; Plate I.
- , CRISAFI 1972: 2.
- , CRISAFI + CRESCENTI 1975: 210, 213-216.
- CARLI + CRISAFI 1983: 64-65, Pl. 10 FIG 2, ITALY
- RODRIGUEZ + VIVES 1984: 242-, MALAGA
- LAKKIS 1984: 289-, E. MEDITERRANEAN
- BELMONTE ~~ITALY~~ + PUCE 1994: 131-135, FIG. 1, 2,
IONIAN. ADRIATIC SEAS

Acartia kemp Sewell

____ Sewell 1914, p. 246, pl. 20-21

____ (Acartiella) _____, Steuer 1923, p. 101, figs. 48-51

____, Sewell 1932, p. 393

- (Acartiella)-, Steuer, 1923, p. ^{91, 101}~~101~~, figs. 48-51

--, ? Connell & Grindley, 1974, p. 93

A. (A.) -, WELLSHAUS 1969: 269-270, FIGS. 53, 54

Acartia (Acartiella) keralensis Wellershaus

-- -- Wellershaus, 1969, pg. 265-267, figs. 37-44,
N.S.P., S. INDIA

Acartiidae - Calanoida.

Acartia latisetosa (Kriczagin). ♀.

Paracartia

Dias — us Kriczagin, 1873, p. 415: pl. 10, f. 21-22.

Acartia — Steuer, 1910, p. 1030 (26).

Acartia verrucosa Thompson, 1888, p. 141: pl. 6.

— — Giesbrecht, 1892, p. 507: pl. 30, f. 3, 18, 33:

[pl. 40, f. 7, 20-22

Habitat, Adriatic; Black Sea.

(see next)

- A. latisetosa* Giesb. & Schmeil, 1898, p. 156.
— (*Paracartia*) — Pesta, 1921, p. 547: text f. F 66.
— — Gurney, 1927, p. 156: fig. 19. F.
— — Sars 1925, p. 362
— —, Mathias + Euzet, 1951¹⁸⁵: Etang de Thau.
— —, El-Maghraby, 1965. pp. 39-40, fig. 1A, 3A
— —, Hure & Scotto di Carlo, 1968, p. 61.
— —, BRODSKY & KUREVA, 1976: 234

Acartia latisetosa (Kriczagin)

card 2

--, Gianferrari, 1921, p. 16

--, Gianferrari, 1923, p. 77

---, Bernard, 1970, p. 43,

- (Paracartia)-, Steuer, 1923, p. ¹⁰⁴~~36~~, figs?

--, Steuer, 1910, p. 592

-- Crisafi, Crescenti, 1972, p. 222-224, 229-230, 235-237. (TAB. 5,6)

--, Tranter & Abraham, 1971, p. 225

-- Crisafi 1973, p. 371-376 (TABLE I, II)

--, Bjornberg, 1963: 100 (table)

--, TANAKA, 1964: 13

--, BRIAN 1927: 7. Tab. IV.

- , CRISAFI 1972: 1, 2.
- , CRISAFI et al. 1973: 101, 102, 105, 106-107, 109, 110, 112.
- , CRISAFI & CRESCENTI 1975: 209-212.
- , Crisafi, 19? p 841-843
- , Kiefer, 1978, passim
- , Cannicci, 1959: passim
- , Croce, et al, 1973: table 15
- PATRITI ET AL 1984: 138-140, MARSEILLES
- Kiefer, 1978: 211
- LABBE' 1925: 563, NOT = MESQUERIA CAERULESCENS LABBE'
- REGNER 1987: 374-, ADRIATIC
- CARLI & CRISAFI 1983: 62, PL. 9 FIG 2, ITALY
- CITARELLA 1986: 278-, MARSEILLES

Acartia latisetosa (Kriczagin, 1873)

card 3

-- Forró 1986: 560

-- CECCHERELLI + FERRARI 1982: 343; LAGOONS, ITALY

-- CARRADA ET AL. 1987: 151-, ITALY, LAGOONS

-- LAKKIS 1984: 289-, E. MEDITERRANEAN

A. (P.)-, KIEFER 1978c: 59-, EUROPE

-- SAZHINA 1969: 96-; "LARGE FORM" OF A. CAUSI. (?)

-- BELMONTE ET AL. 1999: 9

-- ROSE 1927: 156, OFF ALGERIA

-- ROSE 1934: 78, OFF ALGERIA

Acartiidae - Calanoida,
Acartia laxa Dana, ♀.

— — Dana, 1852, p. 1123: pl. 79, f. 5, a-c.

— — Brady, 1883, p. 73: pl. 32, f. 1-11.

— — T. Scott, 1894, p. 65.

— — Dana, 1849, p. 26.

— — SHIH ET AL. 1971: 30

Habitat. Gulf of Guinea: Sulu Sea: Banka Strait.

— — HERRICK 1887: 7

- — Thompson, 1888, a, p. 149: 1888, c, p. 141.
- — Thompson, 1889, p. 79.
- — Giesbrecht, 1892, p. 508: doubtful.
- — Giesb. & Schmeil, 1898, p. 157.

(*Acartia*)

Acartia lefevreae

--Bradford, 1976, pp. 159-202

Acartia levequei Grice

- -- Grice, 1964. pp. 258-261, fig. 20-34
- Cusiati, Crescenti, 1972, p. 222.
- Arcos, 1981: 427-432.
- LEVEQUEI, JIMÉNEZ PÉREZ ET AL. 1988: 86-
- - ABRAHAM 1970: 52

Acartia lilljeborgii Giesbrecht, ♀.

^{lilljeborgii}

^{lilljeborgii}

— — Giesbrecht, 1889, c, p. 25; 1892, p. 508;

pl. 30, f. 8, 20, 30; pl. 43, f. 1, 19.

— — Giesb. & Schmeil, 1898, p. 155.

Odontacartia 1 — Steuer, 1915, p. 397.

Acartia lilljeborgii, Carvalho, 1952, p. 150-151, pl. 1, fig. 40-41. Bay of Santos, Brazil.

Habitat. Valparaiso: Tropical Atlantic.

— — Crisafi, Crescenti, 1972, p. 227.

— — , Dahl, 1904, p. 13.

Acartia (*Odontacartia*) *lilljeborgii*

Acartia Fariai Oliveira, 1945, pp. 459, pl. 6, fig. 1, 2, 8.

Lahmeyeria Turrishari Oliveira 1947, pp. 463-465, pl. 4, figs. 1-8

Acartia lilljeborgii, González & Bowman, 1965. pp. 255-256, fig. 10a-e, 11a

--, Bacon, P.R., 1971, p. 85

A. (Odontacartia) Lilljeborgii, Rose, 1956, p. 462

" " lilljeborgii, Steuer, 1923, p. 2 114-5, figs?

--, Coker & Gonzalez, 1960, p. 18

--, Bowman, 1965, pages 149-152, figures 1-2.

--, González, 1974, p. 222.

--, Bjornberg, 1971, p. 348

--, Tundisi & Tundisi,

1968, pp. 57-

Acartia lilljeborgii

2

- , Hamner & Carleton, 1979: 11
- , Bjornberg, 1963: 4, 9, 61, 62 (A. fariai is a synonym)
66, 64, 96, 98, 99, 100 (Table), Table 10,
115, 116, 121 (lilljeborgii), 125, 126
- , MOORE & SANDER, 1979: 200, 201, 203
- , MILSTEIN, 1979: 69, 73, 74
- , BJORNBERG & WILBUR, 1968: 398, 399, 403-405, 406,
407-410; FIG. 4; TAB. 1, 2
- , OWBE & FOYO, 1972: 501, 506; TAB. 6
- , ARCOS 1978: 47-50, TAB. III.
- , CARVALHO 1952: 150-151; Pl. 1, figs. 40-41.
- , Fonseca & Prado, 1979b. p. 11

- Santos, 1970: 285
- Bjornberg, 1968: 117-134, pl. 32, pl. 35,
 pl. 36, fig. 1-19, fig. 1-8
 pl. 37, fig. 1-21, 10-11
 pl. 38, fig. 1-23
- Bjornberg, 1981: 661, fig. 223 #2
- LILLJEBORGH, DONECKER ET AL. 1985: 356.
- - , YOUNGBLUTH 1976: 489-491, PUERTO RICO
- YOUNGBLUTH 1979: 23, CARIBBEAN
- YOUNGBLUTH 1980: 265-287, PUERTO RICO
- LILLJEBORGH, KOGA 1984b: 134-135, 188
- v. lentin. 1984: 183-199

ACARTIA (ODONTACARTIA) LILLJEBORGI GIESBRECHT CARD 3

--- ZAMORA-SÁNCHEZ & GÓMEZ-AGUIRRE 1986: 340,

AGIABAMPO LAGOON, GULF OF CALIFORNIA

--- ZAMORA SANCHEZ 1974: 1-57, PLATES A-C-, AGIABAMPO

LAGOON, GULF OF CALIFORNIA

- LILLJEBORGI, CAMPANER 1986: 262-, S. BRAZIL SHELF

- LILLJEBORGI, BJÖRNBERG, T. 1986: 59-

- LILLJEBORGI, NOGUEIRA ET AL. 1989: 152-,

GUANABARA BAY, BRAZIL

- LILLJEBORGI, BONECKER, NOGUEIRA & SANTOS 1990: 74,
ESPIRITO SANTO, BRAZIL

Acartia (Odontacartia) lilljeborgi Giesbrecht card 4

A. lilljeborgi, Neumann-Leitao et al. 1990:85, off
Pernambuco, Brazil

A. LILLJEBORGHII, PARANAGUA', OLIVEIRA-GUSMAO ET AL. 1990:
86, RECIFE, BRAZIL

A. LILLJEBORGHII, PARANAGUA', SILVA + NOGUEIRA PARANHOS 1990:
87, RIO CAPIBARIBE, PERNAMBUCO, BRAZIL

A. LILLJEBORGHII, SANTANA-BARRETO ET AL. 1990:90, ESTUARY,
PERNAMBUCO, BRAZIL

A. LILLJEBORGHII, REID 1990g: 184-185

Acartia (Odontacartia) lilljeborgii Giesbrecht, card 5

--- Alvarez Silva 1988: 166-, Veracruz, Mexico

-- LANSAC TÔHA & LIMA 1993: 91-, TAB. 1, S. PAULO, BRAZIL

-- SUAREZ MORALES, E. 1994c: 181-, CHETUMAL BAY,
QUINTANA ROO, MEXICO

-- PARANAGUA' 1985: 774, PERNAMBUCO, BRAZIL

-- POR ET AL. 1984: 218-, SÃO PAULO, BRAZIL

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

Acartiidae - Calanoida.

Acartia limpida Dana, ♀.

— — Dana, 1849, p. 26.

— — Dana, 1852, p. 1119: pl. 79, f. 2, a-b.

— — Giesbrecht, 1892, p. 509, doubtful.

— — Giesb. & Schmeil, 1898, p. 157.

— — HERRICK 1887: 7

Habitat. Near Patagonia.

Acartia (Paracartia) longipatella sp. nov. CONNELL & GRINDLEY, 1974

--, Connell & Grindley, 1974, p. 95-97, fig. 13-23, 26, 27

--, Grindley, Estuarine plankton, p. 124, tbl. 3

— Wooldridge & Bailey, 1982: (passim) 151-163

--- UEDA 1987b: 698

A.l., MILSTEIN 1979: 73

A.l., WOOLDRIDGE & BAILEY 1982: 151-160, FIGS. 4, 7, TABS. 1-3

A.l., WOOLDRIDGE & MELVILLE-SMITH 1979: 334-339.

AFRICA

Acartiidae — Calanoida.

Acartia longiremis (Lilljeborg), ♂.♀.

Dias — Lilljeborg, 1853, p. 181: pl. 24, f. 1-13.

— — Carus, 1885, p. 338.

Calanus euchaeta Toubroek, 1857, p. 401: pl. 10, f. 1-6.

Acartia longiremis Cleve, 1900, p. 140: 1902, p. 19.

Habitat. Mediterranean: Greenland.

Gulf of Finland: Baltic Sea:

- Scott & Scott, 1901: 340

- Dias — Gruber, ¹⁸⁷⁹, p. 425: pl. 25, fig. 20; pl. 26, fig. 3, 5.
— — Möbius, 1874, p. 274; 1887, p. 115.
— — Brady, 1878, p. 51: pl. 5, figs. 1-14 (pars).
Acartia longiremis Norman & Brady, 1909, p. 117.
— — Giesbrecht, 1892, p. 522: pl. 30, fig. 25; pl. 43, fig. 25.
— — Oberg, 1905, p. 44: pl. 4, figs. 1-7.
— — T. Scott, 1906, p. 304.
— — Stephensen, 1913, b. p. 72; 1913, a. p. 323.
— — Thompson & Scott, 1903, p. 254.
Dias — Claus, 1863, p. 193: pl. 3, fig. 1-2; pl. 33, fig. 6-14.
— — Boeck, 1865, p. 12 (237)
— — Brady, 1865, p. 35: pl. 1, fig. 14; pl. 2, fig. 11-18,

Acartia

G. O. Sars, 1903, p. 149: pls. 99 & 100.

Dias

Claus, 1866, p. 13: pl. 1, fig. 12 & 12'.

— —

Herrick, 1884, p. 181.

Acartia

Giesbrecht & Schmeil, 1898, p. 153.

— —

van Breemen, 1908, p. 157: text-fig. 173.

— —

Giesbrecht, 1882, p. 146: pl. 3, 8, 9.

— —

Nordquist, 1888, p. 78: pl. 9, 10.

— —

Hensen, 1890, p. 111.

— —

Wiley, 1920, p. 20 K.

— —

Aurivillius, 1898, p. 119.

— —

Mrázek, 1902, p. 516.

- — — Rose, 1929, p. 47.
- — — Cleve, 1900, p. 42.
- — — Wilson, 1932, p. 165: fig. 113.
- — — Brady, 1891, p. 109: pl. 14, figs. 1-4.
- — — Jaschnov, 1927, p. 22, Kara Sea
- — — Linko, 1913, p. 27.
- — — Wilson, 1942, p. 169
- — —, Fontaine, 1955, p. 882-3, Ungava Bay, Canada.
- — —, Mori, 1937, p. 104. N. JAPAN SEAS.
- — —, Brodsky, 1950, p. 421, fig. 297.
- — —, Jespersen, 1934, p. 120, figs 30-32. W. GREENLAND WATERS.
- — —, Jespersen, 1940, p. 69-70. Iceland.
- — —, Schwarz, 1960, pp. 296-297, fig. 3. Rügen I., E. Germany.
- — —, A. G. Fish, 1962. pp. 19-20, fig. 11
- — —, Grice, 1962. p. 101

Acartia longiremis

(3)

-- --, Johnson, 1958. p. 276

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

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

-- --, Bowman, 1961. pp. 206-207 - NOT IN CHESAPEAKE BAY

-- --, Northcote et al, 1964. p. 1079

-- --. Grainger, 1965, pp. 543-564 (548-549).

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

--, Sato, 1913, no. 27, pl. 7, 8

--, Omori, 1973, p. 9.

-- Hammond, 1973, p. 338.

--, TUPITSKY, 1976: 110, 120; TAB. 1, 2

A. LONGIREMIS

--, LACROIX & FILTEAU, 1971: 796, 791-796, 809, 812

FIG. 12, 13; TAB. 7-9, 17, 18

--, BREEMEN, 1906: 6, 12, 13, 14

--, GELETIN, 1977: 90

--, DAMKAER, 1975: 11

--, TAGUCHI & FUKUCHI, 1975: 150, 153; TAB. II-IV, VII

--, LINDQUIST, 1959: 6

Acartia longiremis

card 4

--, Smol & Heip, 1974, p. 161

--, Shih & Laubitz, 1978, p. 47

--, Gardner & Szabo, 1982, p. 28, 418-419, fig. 28.1.3

--, Sutherland, 1982, p. 478.

—, Hensen, 1911: 292, 317

— Matikova & Campos, 1967: 68

-- MÄEMETS & VELDRE 1956a: 15, 19, 81-84, Pl. IX,

FIGS. 1-3, ESTONIA

Acartia (Acartiura) longiremis (Lilljeborg, 1853) card # 4

-- --, Hure & Scotto di Carlo, 1968, p. 61.

-- --, Apstein, 1905, p. VI, VIII, XVIII, XX, XXII, XXIV,
XXVI, XXXII, XXXIX, XXXX, XXXXII,
XXXXIV, XXXXVIII, L

--, Chiba, 1956, p. 21

--, Gianferrari, 1921, p. 16

--, Gianferrari, 1923, p. 77

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

--, Pertsova, 1967, p. 240-

--, Steuer, 1923, p. ⁹⁶⁻⁷~~8-9~~, figs.?

--, Stormer, 1929, p. 37

- (Acartiura)-, Pesta, 1928, p. 64-5, fig. 53

--, Stock & Vos, 1960, p. 204

--, Schwarz, 1960, p. 294-6

A. longireucis, Schwarz, 1960, fig. 3

--, Ehrhardt, 1967, p. 741

--, Fulton, 1968, p. 43, fig. 31

--, Mescheryakova, 1970, p. 97

Acartia longiremis

card 5

--, Meshcheryakova, 1964, p. 150

--, Carillo et al., 1974, p. 452.

--, González, 1974, p. 222.

--, Kos, 1958, p. 191

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

--, Haahtela, 1974, p. 237, fig. 5

--, Cushing, 1951, p. 161

Ascartia longiremis, Dunbar, 1956, p. 188

--, Barr, 1969, p. 96

--, Sherman, 1968, p. 6 -

--, Maclellan, 1967, p. 102.

--, Bradford, 1976, pp. 159-202

-- Evans, 1972, pp. 47-47, fig 6, 8.

--, Bjornberg, 1963: 9, 67, 100 (table), 104 (2 tables), Table 8,
115, Table 17

--, BRIGHT, ET AL., 1972: 296

--, CARTER, 1965: 353

--, PYRGONKOVA, 1977: 105, 106, 107

--, PAVSHTIKS, 1977: 117; TAB. 1

--, DIGBY, 1954: 300, 303

--, DAVIS, 1976: 37, 38, 39-40, 41; FIG. 2

--, Chisati Crescenti, 1972, p. 221, 225.
1962, p. 662, 664.
The Islander

~~Acetate 1 negative~~

ACARTIA LONGIREMIS

CARD 6

--, HIROTA, 1982: 50

--, JOHNSON, 1956a: F, 16, 17, 19; FIG. 7, 8; TAB. 1, 2, 4-7

--, Farran 1936: 404, 407.

--, FIGUEIRA 1971: 142.

--, Chiba & Hirakawa 1972: Tab. 2.

--, Turner, 1981, p. 369, tbl. 2

--, Uye, 1982, p. 5-7

—, Herbst, 1952: 16

—, Lacroix, 1966: 52

--, PETERSON & MILLER, 1977: 718, 720-722

— Wickstead, 1956: 17

— Chojnacki, 1984: 129, 132, 130 figs 2-5 Baltic

(ACARTIURA)

ACARTIA, LONGIREMIS LILLETORGB

CARD 7

-- MOTODA + MINODA, 1974: 211, 215, 228, 233, FIG. 10.3

-- MASSUTI + NAVARRO 1950: 20.

-- UYE + KASAHARA 1978: 114

-- YEATMAN 1976: 215

-- YOUNG-BLUTH 1979: 23, CARIBBEAN

-- KOGA 1984b: 134-135, 188

-- GRAINGER 1959: 474, 489 - ARCTIC OCEAN

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

-- DEEVEY, 1952b: 131, 146

-- DEEVEY, 1960a: 15

- Turner & Dagg, 1983: 21, tbl. 2
- Bjornberg, 1981: 661, fig. 223 #1
- ALVAREZ, M. P. J., 1985: 183
- Horner & Murphy, 1985: 203, passim
- Hure, 1955: 35
- ~~Murray 1967~~
- VILELA 1972: 12
- TRUJILLO-ORTIZ 1986: 188
- Kidrboe, et al, 1985: passim
- LABBÉ 1929: 571; Dias (A.)-, 592
- UEDA 1987b: 698
- Moryakova & Kampas, 1966: 130, passim. (Cuba)

Acartia (Acartiura) longiremis Lilljeborg card 8

-- Rae & Fraser 1941: 197-, southern North Sea

-- CARMI 1971a: 61-, LIGURIAN SEA

-- IZAWA 1987: 174-

-- DAVIS 1977: 1-3, FIG. 1, NORWAY

-- DAVIS 1982: 724-, NEWFOUNDLAND

-- DAVIS 1986: 28-, "

-- BAMSTEDT 1986: 11-

-- CITARELLA 1986: 278-, MARSEILLES

-- GRAINGER + MOHAMMED 1986: 304-, ARCTIC

-- NAGASAWA + NEMOTO 1986: 379-383. FIG. 1 M HELGOLAND

Acartia (Acartiura) longiremis Lilljeborg card 9

-- Magnesen, 1988: 193- tabs 1-3 W. Norway

-- FONTAINE 1955: 858-, UNGAVA BAY?

-- FERRARI & HAYEK 1990: 124, 125, TAB. 1

DIAS -, KARAVAEV 1894: 42, 44

A. -, CITARELLA 1989: 126-, ST. LAWRENCE GULF, CANADA

A. -, MARUKAWA 1921: 7-, JAPAN

A. -, UYE & MATSUDA 1988: 285

A. -, SHIH ET AL. 1988: 322-, NOVA SCOTIA

A. -, DERJUGIN 1928b: MOGILNOJE LAKE, KILDIN IS.,

BARENTS SEA

Acartia (Acartiura) longiremis Lilljeborg

card 10

- Lindquist 1959b: 59-, Gulf of Bothnia
- BURRELL + ZWERNER 1972: 139, CHESAPEAKE BAY
- PRÉFONTAINE + BRUNEL 1962: 252, ST. LAWRENCE R.
- GRANT 1977: 4-58-, OFF NEW JERSEY
- HARDING, G. ET AL. 1980: 32-, NOVA SCOTIA
- SHIH ET AL. 1971: 30-31, CANADA- ATLANTIC; 142,
PACIFIC; 200; AS LONGIREMUS - ARCTIC
- CITARELLA 1984: 138-, SHEDIAL BAY, NEW BRUNSWICK,
CANADA

ACARTIA (ACARTIURA) LONGIREMIS LILLJEBORG

- TUPITSKII 1976: 108-120, TABS. 1, 2, BARENTS SEA
- ASTTHORSON + GISLASON 1992: 229, 233-234, TAB. 1, ICELAND
- BARTHEL ET AL. 1995: 23-30, TAB. 1, NORWAY
- CARMAN + DOBBS 1997: 121, 124, TABS. 1, 2
- ARRHENIUS 1996: 704-, BALTIC SEA
- HERRICK 1887: 7
- BRODSKY 1948: 4, 72-73, PL. XXIII (4, 5), SEA OF JAPAN.

Acartia (Acartiura) longiremis Lilljeborg

card 11

- Lakkis 1984:289-, e. Mediterranean
- COYLE ET AL. 1990: 763-, AUNE BAY, ALASKA
- A., LEE, W. Y. + McALICE 1979: 568-, DAMARISCOTTA R., MAINE
- REID 1990g: 185
- OHMAN 1986: 686-, DABOB BAY, WASHINGTON STATE
- Wiborg, 1944: 34, 52-55, 78, F.29-30
- MCKINNON ET AL. 1992: 254-
- WILSON, C. B. 1936: 369, CANADIAN ARCTIC
- LEGARÉ + MACLELLAN 1960: 434, PASSAMAQUODDY REGION,
MAINE / NEW BRUNSWICK

Acartia longiremis spineremis

--Bradford, 1976, pp. 159-202.

-- SPINIREMIS, FONTAINE 1955: 882-, UNGAVA BAY

Acartia (Planktacartia) longisetosa Brady

1914.

---, Steuer, 1923, p. 126, figs?

Calanoida

Acartia macropus Cleve.

— — Cleve, 1900, p. 142 nomen nudum.

Hypocartia m. — Steuer, 1915, p. 396.

Acartia macropus — Cleve, 1900, p. 43.

- (Hypocartia)-, Steuer, 1923, p. 15, figs?

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Habitat. Mesoplankton in Atlantic.

Acartia major Sewell 1919

____ Sewell 1919, p. 13, pl. 9-10, Chilka Lake

____ (*Acartiella*) _____, Steuer, 1924, p. 791, pl. 46, fig. 1

____ Sewell 1932, p. 393, Calcutta salt lakes

--, Bjornberg, 1963: 100 (table)

A.(A.)-WELLERSHAUS 1969: 269-270, FIGS. 55-57

Acartia margalefi Alcaraz, 1976

(Acanthcartia)

--, Alcaraz, 1976, pp. 59-74, figs. 2-3.

--, Corral + Alvarez-Ossorio, 1978: 138

-- UEDA 1987b: 698

-- CARRADA ET AL. 1987: 151-, LAGOONS, ITALY

-- ALCARAZ 1997: 187, TAB. 4

Acartiidae - Calanoida

Acartia mediterranea Pesta, ♀.

— — Pesta, 1909, p. 30: fig. 1.

--Bradford, 1976, pp. 159-202

Habitat. Mediterranean.

Acartia minor Sewell

Acartiella minor, Sewell 1919, p. 15, pl. 9, pl. 10
Chilka Lake

Acartiella minor Sewell 1924, p. 791, pl. 46, fig. 2

Acartia minor Sewell 1932, p. 393, Calcutta, Salt Lakes

A.(A.)-, WELBERSHAUS 1969:267, 269-270, Figs. 58-60

Acartia (Planktacartia) nana Brady

1914

---, Steuer, 1923, p. 125-6, figs?

Acartia (Acartiella) natalensis sp. nov. CONNELL & GRINDLEY

--, Connell & Grindley, 1974, p. 89-94, figs. 1-12, 24, 25

--, Grindley, Estuarine plankton, p. 124, + pl. 3

--- UEDA 1987b: 698

A. n., BLABER 1979: 42

-- WOOLDRIDGE & BAILEY 1982: 156, TAB. 1, 3, FIG. 7

-- WOOLDRIDGE & MELVILLE-SMITH 1979: 329-340, FIGS. 4, 5

Acartiidae - Calanoida.
Acartia negligens Dana. ♀.

- Dana, 1849, p. 26
- Cleve, 1900, p. 142; 1901, p. 4.
- Thompson & Scott, 1903, p. 254.
- Dana, 1852, p. 1121; pl. 79, §. 3, a-c.

Habitat. Indian Ocean: Pacific near
Kingsmill Islands; Mediterranean:
Red Sea:

- A. Scott, 1902: 408

- — Giesbrecht, 1889.c, p. 25: 1891, p. 63.
 — — Giesbrecht, 1892, p. 508: pl. 30. f. 11, 12, 22.
 — — Giesb. & Schmeil, 1898, p. 154.
 — (Planktacartia) — Testa, 1921, p. 548: t. f. F 65
 Planktacartia n — Stever, 1915, p. 397.
 Acartia n — Wolfenden, 1905, p. 1023.
 — — A. Scott, 1909, p. 188: T. Scott, 1912, p. 540.
 — — Sewell, 1914, p. 241.
 — — Wolfenden, 1911, p. 357.
 — — Farran, 1929, p. 281.
 — — Rose, 1929, p. 48.
 — — Cleve, 1900, p. — 43
 — — Wilson 1942, p. 469

Acartia negligens-2

- ___ Sewell 1932, p. 397
- ___ , Matoda and Anraku 1955. p. 212, Idzu Is.
- -- , Anraku, 1954, pp. 1-8 N W Pacific
- ___, MORI, 1937, P. 101. JAPAN AREA.
- ___, Chiba, Tsuruta, + Maeda, 1955. Bikini.
- --, A. G. Fish, 1962. pp. 20-21
- --, Furuhashi, 1961. p. 7
- --, Decker, 1964. p. 17. South Africa
- ___, Grice, 1962. p. 240. Pl. 34, fig. 17
- ___, Owre, 1962

- A. negligens, Heinrich, 1961. p. 89 (vertical distr.)
-- --, Tanaka, 1960. pp. 55-56, pl. 24, fig. 6
-- -- Park, 1968, pp. 527-572.
-- --, Tanaka, 1965, pp. 60-61, fig. 249 a-g
-- --, Vilela, 1968, p. 29
-- --, Shmeleva, 1963, p. 141
-- --, Heinrich, p. 3, 1960
-- --, Hure & Scotto di Carlo, 1968, p. 61-62.
-- --, BINET & DESSIER, 1971: 439

Acartia ~~#~~ negligens

card 3

--, Chiba, 1956, p. 11

--, Crisafi, 1973, p. 371-376 (TAB. (I, II))

--, Cleve, 1901, p. 1

A. (Planktacartia) negligens Dana, Corral, 1970, pp. 207-8

A. negligens, De Decker, 1962, p. 100

--, Gianferrari, 1921, p. 17

--, Gianferrari, 1923, p. 78

- (Planktacartia)-, Steuer, 1923, p. 123-4, figs?

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

--, OWREN & FOYO, 1972: TAB. 3

- Greenwood, 1987: table 2

--, Tranter, ~~Abraham~~ ¹⁹⁷¹, p. 224-, figs. 2, 9, 16, 17, 18, 20
A. negligens

--, Movchan, 1971, p. 64

--, Krylov, 1967?, p. 248

--, Frucht1, 1924, p. 61

--, Bowman, 1971, p. 6-

--, Bjornberg, 1971, p. 349

--, Roe, 1972a, pp. 300-

--, Vives, 1972, p. 224.

-- Crisafi Crescenti, 1972, p. ²²²224-~~6~~, 234-237 (TAB 12, 13, 14)

--, Furuhashi, 1966: 299, ^{300, 307, 310, 313}

--, Furuhashi, 1961: 108 } tables 8+10, 122
--, Bjornberg, 1963: 9, 63, 64, 100 (table), 107, 104 (2 tables)

--, A. (PLANKTACARTA) NEGLIGENS VERVOORT, 1965: 198-199

--, TANAKA, 1964b: 13, TAB. 2-3

ACARTIA NEGLIGENS

CARD 4

--, WHEELER, 1970: 4

--, GREENWOOD, 1978b: 2, 13-15; FIG. 6

--, GOSWAMI & GOSWAMI, 1973: 242-243; FIG. 12-14

--, GOSWAMI & GOSWAMI, 1974: 113; TAB. 2

--, DEEVEY, 1971: 229; FIG. 9; TAB. 3

--, ITOH, 1970: TAB. 1

--, FASHAM, ET AL., 1974: 98

--, OWREN & FOYO, 1964b: 368

--, CALEF & GRICE (UNPUBL.) IN KETCHUM & RYDER →

1966 (UNPUBL.): 35; APPENDIX

--, EVANS, 1961: 195

--, CRISAFI 1972: 2.

--, CHENG et al. 1965: 3.

--, Chiba & Hirakawa 1972: 74, 77; Tab. 2; Fig. 2.

- Bjornberg, 1968: 122

, pl. 33, fig 1-9

pl. 34 fig. 8

Acartia negligens

card 5

- , Shmeleva & Kovalev, 1968, p. 67, fig. 11a
- , Shmeleva & Zaika, 1973, p. 874
- , Madhupratap et al, 1977: tbl. 3
- , Sreekumaran et al, 1981: passim.
- , Cannicci, 1959: passim
- Motoda & Marumo, 1963: tbl. 1
- , VAISSIÈRE & SEGUIN, 1984: 1, 5-8, TABS. 1-4
- MASSUTI' & NAVARRO 1950: 20.
- TRANTER 1977: 593-625.

Acartia negligens DANA, 1849

card 6

-- Sander & Moore 1978: 232.

-- UYE & KASAHARA 1978: 112, 113.

-- YOUNG-BLUTH 1979: 23, CARIBBEAN

-- GOSWAMI 1983: 254-257, INDIA

-- KOGA 1984b: 135, 188

-- GRICE & HART 1962b: TABLE 3, W. N. ATLANTIC

- Tanaka, 1965a: 37, fig. 1a-c

- Bjornberg, 1981: 661, fig. 223 #4

- Dawson & Knatz, 1980: 18, pl. 5, fig. a-f.

- Deevy & Brooks, 1977: 265
- De Decker, 1984: 317
- MADHU PRATAP & HARIDAS, 1986: 111, 112 - INDIA --
- Hure, 1955: 35

PLANKTACARTIA -, TRANTER & ABRAHAM 1971: 224

- Vives, 1978: 266, 286
- MAUCHLINE 1988: 715
- KIORTSIS ET AL. 1969: 38-, AEGEAN
- STEPHEN & RAO 1985: 467, 469-, ARABIAN SEA
- CITARELLA 1986: 278-, MARSEILLES

Acartia negligens Dana, 1849

card 7

- Björnberg, T. 1986: 59
- SCHULZ 1986b: 464, 465, SARGASSO SEA
- PAFFENHÖFER & STEARNS 1988: 33, 37
- Soldevilla, et al. 1988: 60 Canary Islands
- DESSIER & DONGUY 1987: 14, 397, EASTERN EQUATORIAL PACIFIC
- JIMENEZ-PEREZ & LARA-LARA 1988: 126, GULF OF CALIFORNIA
- COPLEY ET AL. 1989: 11-, NW ATLANTIC

Acartia negligens Dana, 1849

card 8

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

-- REID 1990g: 185, REDONDA (LEEWARD ISLANDS)

-- BINET + DESSIER 1968:10, OFF MADAGASCAR

-- ROSE 1927: 146, 156, OFF ALGERIA

-- ROSE 1934: 56-81, OFF ALGERIA

Acartia omorii BRADFORD

--Bradford, 1976, pp. 159-202

-- UEDA 1987: 65-73, MAIZURU BAY-JAPAN

-- UEDA 1987b: 691-700, MAIZURU BAY-JAPAN; A. CLAUSI
IN SOME NW PACIFIC RECORDS = A.O.

-- Ueda, 1986a: 124

-- Ueda, 1986b: 134-138, fig. 2a-e

-- Ueda, 1986d: 59-60

-- KIMOTO ET AL. 1986b: 142, = A. CLAUSI

-- HIRAKAWA 1988: 337-339, SOUTHERN CHILEAN COAST.

-- Ayukai, 1987: 487-489

Acartia omorii Bradford, 1976

card 2

- Nagasawa 1988: 258-, Shinhamako (Tokyo Bay)
- UYE 1988: 293 (A. CLAUSI)
- UYE & MATSUDA 1988: 281-, INLAND SEA, JAPAN
- MCKINNON ET AL. 1992: 257
- CARLTON & GELLER 1993: 80, INTRODUCED - CHILE
- NAGASAWA, K. 1989: 63.
- CARMAN & DOBBS 1997: 121, 124, TABS. 1, 2
- UYE & MURASE 1997: 98, INLAND SEA, JAPAN
- LIANG & UYE 1996: 225, 226, INLAND SEA, JAPAN

ACARTIA OMORII

③

- LIANG + UYE 1997: 415, 419-420, INLAND SEA, JAPAN
- LIANG + UYE 1997: 409, 413-414, INLAND SEA, JAPAN

Acartiidae - Calanoida

Acartia (Odontacartia) pacifica Steyer, ♂ ♀.

— — Steyer, 1915, p. 397: text-figs. 5-6

— — Farran 1936, p. 120, fig. 22, ♀ ♂

— — Sewell 1940, p. 397

— —, BRODSKY, 1950. P. 422. fig. 298.

— —, FURUHASHI, 1957, P. 18, MAIZURA BAY, JAPAN

Habitat, Pacific Ocean —

— — var. mertoni Früchtl.

— — " — : Sewell, 1933, p. 29. Kurau River, Malaya

- --, Tanaka, 1965, pp. 57-59, fig. 247, a-f
- --, Wellershaus, 1969, pp. 275-276, fig. 82-85, 5.
INDIA
- , Rose, 1956, p. 462
- , Steuer, 1923, p. 116-7, figs?
- , Shen & Lee, 1963, pp. 582-3
- , Fruchtl, 1924, p. 57
- , Hue, 1967, pp. 14.
- , Furuhashi, 1961: 108
- , Bjornberg, 1963: 100 (table), *table 17*
- , HIROTA, 1974: 7
- , HIROTA + UNO; 1977: 77

ACARTIA PACIFICA STEUER

CARD 2

- , MADHUPRATAP & HARIDAS, 1986: III, INDIAN OCEAN
- , HIROTA, 1979a: 14; FIG. 3
- , GREENWOOD, 1978b: 2, 13, 15-18; FIG. 7; TAB. 1
- , KOS, 1977: 39, 45, 50
- , CHENG et al. 1965: 2.
- , KOS, 1969, p. 953
- , Madhupratap et al, 1975: *passim*.
- , Madhupratap ~~et al~~ 1979: *passim*
- Madhupratap, 1980 = *passim*
- , Madhupratap & Haridas, 1975: *passim*.

- Chen, 1980: ~~tbl~~ table 1.
- , HIROTA, 1981: TABLE 1, 20
- SHEN + LEE 1966: 214 - CHINA
- UYEY KASAHARA 1978: 113.
- UYE ET AL. 1984: 392, 396, 400
- GAJBHINE ET AL 1984: 77-79, INDIA
- Bayly, 1980: 7, 10
- Tanaka, 1965a: 37, fig. 2a-d
- Greenwood, 1981: 592-595, FIG. 1 (GRAPH)
- Greenwood, 1982a: 50-52
- Greenwood, 1982b: table 3

(ODONTACARTIA)

ACARTIA, PACIFICA STEUER

CARD 3

- , MICHEL ET AL. 1986: 67, 75 - ARABIAN GULF
- , UEDA 1987b: 698
- Uye, 1985: 441, pl. 1
- STEPHEN & RAO 1985: 469-, ARABIAN SEA
- LE BORGNE 1986: 142-
- CHEN, Q-C 1986: 526-
- YANG ET AL. 1986: 619-622, XIAMEN BAY, CHINA
- UYE ET AL. 1987: 428-, INLAND SEA, JAPAN
- MICHEL & HERRING 1984: 328-, ARABIAN GULF
- BRODSKY 1948: 4, 73-74, Pl. XXIV (1-6), SEA OF JAPAN

Acartia (Odontacartia)pacifica mertoni Steuer , 1917

----, Steuer, 1923, p. 1178, figs?

----, Fruchtl, 1924, p. 57-58

--, GREENWOOD, 1978b: 2, 15-16, Figs. 7c, e, g, h.

Acartiidae - Calanoida

Acartia pietschmani Pesta, ♂, ♀.

— — Pesta, 1912, p. 55; text-fig. 18; 1913, p. 33.

— — Sewell, 1914, p. 242

— — Farran 1936, p. 119, fig. 21, ♀

— — Sewell 1932, p. 395

— — " 1947. P. 252, ARABIAN SEA AREA.

Habitat. Persian Gulf; Ceylon.

— Acanthacartia —; Steuer, 1915, p. 396.

- (Acanthacartia) -, Rose, 1956, p. 462
" " " , Steuer, 1923, p. ¹⁰⁹~~21~~, figs?
-- , Bjornberg, 1963: 100 (table)
-- , HARIDAS + MADHUPRATAP, 1978: 177
-- , HARIDAS + MADHUPRATAP, 1986: III, INDIAN OCEAN
-- , STEPHEN + RAO 1985: 468-469, FIGS. 1a, b,
-- , INDIAN OCEAN
-- REVIS 1988: 344, KENYA
-- MICHEL + HERRING 1984: 328, ARABIAN GULF

Acartiidae - Calanoida.

Acartia plumosa T. Scott, ♂, ♀.

— — T. Scott, 1894, p. 66: pl. 7, f. 22-32.

— — Giesb. & Schmeil, 1898, p. 153.

Acanthacartia p- Steuer, 1915, p. 396.

Acartia ____, Sewell 1932, p. 395

— —, Brodsky, 1950, p. 424, fig. 299.

Habitat, Congo River: Luanda Harbor.

--, Gianferrari, 1921, p. 16

-- --, Wellershaus, 1969, pp. 271-273 fig. 64-75,

COCAIN BACKWATER, S. INDIA

- , Gianferrari, 1923, p. 78
- (Acanthacartia)-, Steuer, 1923, p. ~~24~~ 112-3, figs?
- , Tranter & Abraham, 1971, p. 224-, figs. 2, 8, 16, 17,
18
- , Lubni-Gertsik, 1959, p. 71-
- , Bjornberg, 1963: 100 (table)
- , A. (ACANTHACARTIA) PLUMOSA VERVOORT, 1965: 197-198
- , GOSWAMI & GOSWAMI, 1973: 242-243; FIG. 1-2
- , GOSWAMI & GOSWAMI, 1974: 113; TAB. 2
- , BINET & DESSIER, 1971: 439-440. Pointe Noire, Congo.
- , BINET, ET AL., 1972: 8 133

Acartia plumosa

card 2

--, Ueda, 1978, p. 59

--, Kos, 1969, p. 953

--, Ueda, et al., 1983, passim

--, Marques, 1953, p. 122, fig 6a.

--, Madhupratap, et al., 1979: passim.

-- Madhupratap & Rao, 1979: 10

-- Madhupratap et al 1975: passim.

--, Madhupratap ~~et al~~ 1979: passim

--, Madhupratap, 1980: passim

--, Madhupratap & Aridas, 1975: Passim.

Acartia plumosa T. Scott

card 3

--Ranga Reddy & Radhakrishna 1982: 261

--UYE & KASAHARA 1978:112

--GOSWAMI 1983:254-257, INDIA

--GAJBHIYE ET AL 1984:77-79, INDIA

--MADHUPRATAP & HARIDAS, 1986:111, INDIAN OCEAN

— Uye, 1985: 441, tbl.1

-- SPECIES-GROUP, UEDA & HIROMI 1987:225-236;

FIGS. 1a, 2a-c, 3a, 4ab, 5a, 6; REDESCRIBED; SUB-

GENUS ACANTHACARTIA.

Acartia plumosa T. Scott

card 4

-- Medina-Gaertner 1988:26-, Senegal

-- ABRAHAM 1970:52

-- CARMAN + DOBBS 1997:124, TAB. 2

-- BRODSKY 1948: 4, 74, PL. XXV (1-6), SEA OF JAPAN

ACARTIA RANSONI VAISSIÈRE, 1954

- RANSONI, ROSE 1953 (Bull. Mus. Nat. Hist. Nat. 25 (5)). TUAMOTU IS. (NO DESCRIPTION GIVEN). p. 457.
- VAISSIÈRE 1954: 358-362, FIGS. 1-17, N.SP.
- GRICE 1964: 262. SYNONYM A. FOSSAE GURNEY.
- BINET & DESSIER 1968: 16. SYN. ^{of} A. FOSSAE GURNEY.

Acartia remivagantis Oliveira, 1946

-- Oliveira 1945(1946): 191-192, figs. 1,2,4-6, n. sp.

male only, Guanabara Bay, Rio de Janeiro, Brazil

Acartia (Acanthacartia) seshaiyai Subbaraju, 1968

---, n. sp., Subbaraju, 1968, pp. 43-6, 1 fig.

(Acartiella)

Acartiidae Calanoida

Acartia sewelli ^{eue} Steuer, ♀.

— — Steuer, 1934, p. 335: pl. 5, figs. 1-7.

Acartiella — — Wellerhaus, 1969, p. 270 [in key], f. 49-52
(from Steuer)

-- Goswami 1983: 254-257, INDIA - or ACARTIELLA S.

Habitat, Burma.

— Sarkar, et al., 1986: 177

Acartiidae - Calanoida

Acartia simplex G.O. Sars, ♀, ♂.

— Sars, 1905, c, p. 375: pl. 14, figs. 13-20

Acartiura — Steuer, 1915, p. 394.

--, Steuer, 1923, p. ⁹⁷⁻⁸~~9-10~~, figs? (Acartiura)

-- McKinnon et al. 1992: 254-

Habitat. Brackish water, Chatham Island.

Acartia ^(ACANTHACARTIAS) sinjiensis

Mori

①

-- Mori, 1940: 329, fig. 6-12

--- UEDA 1987b: 698, MAIZURU BAY, JAPAN

--- UEDA & HIROMI 1987: 225, 227-233, FIGS. 16, 2d-f, 3b, 4c-e, 5c; SYNS. A. PLUMOSA ^(PART.), A. ISEANA, A. BAYLYI, A. SP. OF BAYLY 1965.

A. ISEANA, ITO, T. 1956: 468-470, FIG. 1, N. SP. - ISE BAY
EEL CULTURE PONDS, JAPAN

A. ISEANA, ITO, T. 1957: pl. 25, FIGS. 5-8

A. ISEANA, TRUJILLO - ORTIZ 1986: 200

Acartia (Acanthacartia) sinjiensis Mori, 1940 card 2

A. (A.) baylyi, Greenwood 1972: 313-319, figs. 1,2, n.sp.
Brisbane R. mouth, Queensland, Australia.

A. baylyi Greenwood 1978b: 2,11-13, tab. 1; syn. Acartia
sp. Bayly, 1965

A. baylyi, Bayly 1980: 7-10

A. baylyi, Greenwood 1982b: table 3

A. sp., Bayly 1965: 327, 335, 337, 340; figs. 9, 13

A. s., OHTSUKA, UEDA & LIAN 1995: 157, 159, TAB. 1

A. (A.) s., WELLSERSHAUS 1969: 273

(Eucartia)

Acartiidae - Calanoida

Acartia southwelli Sewell, ♂, ♀.

①

Kilnukari, India (Gulf of Mannar)

— — Sewell, 1914, p. 244: pl. 19, figs. 8-9.

— — Sewell, 1924, p. 790: pl. 45, fig. 6. Chilka Lake.

— — Steuer 1923, p. 102, figs. 52, 52

— — Sewell 1932, p. 393, nauplii

Eucartia —, Steuer, 1915, p. 394.

Habitat, Ceylon: Chilka Lake.

Shen & Song

--, ACADEMIA SINICA, 1979: 160-161; FIG. 87 (not southwelli?)

--, Madhupratap & Rao, 1979: 10. Cochin Backwaters.

--, Madhupratap et al, 1975: passim. " "

- Steuer, 1923, p. ¹⁰² ~~102~~, figs? (Euacartia)

-- Tranter & Abraham, 1971, pp. 224-, figs. 2, 11, 16, 18

-- Madhupratap ¹⁷ ~~1979~~ 1979: passim. Cochin Backwaters.

-- Madhupratap 1980: passim. Cochin Backwaters.

-- Madhupratap & Haridas 1975: passim. Cochin Backwaters.

-- UYE & KASAHARA 1978: 112. Cochin Backwaters (from Tranter + Abraham).

-- GOSWAMI 1983: 254-257, INDIA, Mandovi + Zuari Estuaries, Goa.

-- MADHUPRATAP & HARIDAS, 1986: III, INDIAN OCEAN

-- Sarkar, et. al., 1986: 178 India

Acartia Acartiidae — Calanoida
Evacartia southwelli Sewell, ♀. (2)

— — Sewell, 1914.

— — Steuer, 1915, p. 394.

--, Tranter & Abraham, 1971, p. 224

-- OHTSUKA, UEDA & LIAN 1995: 158, 159, TAB. 1

-- ABRAHAM 1970: 52

Habitat, Gulf of Mannar.

Acartiidae - Calanoida -
Acartia spinata Esterly, ♂, ♀.
(Acanthacartia)

— — Esterly, 1911, p. 224: pl. 1, f. 3, 5: pl. 2,
f. 16, 19: pl. 3, f. 24: pl. 4, f. 37, 45.

Acanthacartia s., Steyer, 1915, p. 396; 1923,
pp. 25-26, fig. 115, 121

Acartia —, Woodmansee, 1958, p. 255. Biscayne Bay, Florida.

— —, Grice, 1960, p. 224. Knight's Key, Florida.

Habitat. Bermuda Islands.

— — — Clarke, 1934, passim. Vertical migration, St. George's Harbor, Bermuda.

— — — Moore, 1949, pp. 61-62. Bermuda.

— — — Davis, 1950, pp. 90-91. Miami area.

- ^{Spinaria}
— —, Gonzales & Bowman, 1965. pp. 256-257, fig. 10F-i, 11b, 12
— —, Owre, 1962
- (Acanthacartia)-, Steuer, 1923, p. 113-114, figs?
- , Coker & Gonzalez, 1960, p. 18
- ; Gonzales, 1974, p. 222
- , Bjornberg, 1971, p. 348
- , Hamner & Carleton, 1979: 111
- , Bjornberg, 1963: 100 (table)
- , MOORE & SANDER, 1979: 200
- , HARIDAS & MADHURATAP, 1978: 177
- , DAVIS 1950: Tab. V, p. 91.

Acartia spinata Esterly, 1911

card 2

--, Turner, 1981, p. 369, tbl. 2

--, Kidd & Sander, 1979, p. 678 (tbl. 3)

--, Ueda, et al., 1983, p. 165

-- SANDER & MOORE 1978: 232.

-- YEATMAN 1976: 202, 215, FIGS. 73-78, JAMAICA

-- YOUNG-BLUTH 1976: 489-491, PUERTO RICO

-- YOUNG-BLUTH 1979: 23, CARIBBEAN

-- YOUNG-BLUTH 1980: 265-287, PUERTO RICO

-- REID 1990 g: 185 BARBUDA, MARTINIQUE, TRINIDAD/
TOBAGO, VIRGIN ISLANDS.

Acartia spinata Esterly, 1911

card 3

-- Robichaux et al. 1981:82-, San Salvador, Bahamas

-- ALVAREZ C., ISLAS L. + E. SUÁREZ M., 1996: 700 - 702,
TAB. 2, LAGOON, CARIBBEAN COAST, MEXICO

-- ABRAHAM 1970:52

Acartiidae - Calanoida.

Acartia spinicauda Giesbrecht, ♀.

- — Giesbrecht, 1889, c, p. 25. [pl. 43, f. 4, 11
— — Giesbrecht, 1892, p. 508: pl. 30, f. 16, 21, 35; n
— — Giesb. & Schmeil, 1898, p. 155.
— — Cleve, 1901, p. 4.

Habitat, Hongkong: Malay Archipelago.

Odontacartia s - Steuer, 1915, p. 397.

Acartia s - A. Scott, 1909, p. 188. [1924, p. 789

— — Sewell, 1912, pp. 315, 377; 1914, p. 241: A

— — Sewell 1932, p. 397

— — Sewell, 1933, p. 28-29. Malaya.

— — MORI, 1937, P. 103 JAPAN SEAS.

— — Ito, 1957. Fig. 1-4. Ise Bay eel ponds, Japan.

-- --, Wellershaus, 1969, p. 275 fig. 76-81. ♂ = A. bowmani.
- S. INDIA

- -, Chiba, 1956, p. 2

--, Cleve, 1901, p. 1

--, Rose, 1955, p. 391

- (Odontacartia)-, Rose, 1956, p. 462

" " " , Steuer, 1923, p. 115-6, figs?

Acartia spinicauda GIESBRECHT, 1889

card 2

- , Tranter & Abraham, 1971, p. 224-, figs. 2, 12, 16
17, 18
- , Abraham, 1976, pp. 77-79, table 3.
- , Hue, 1967, p. 14.
- , Bjornberg, 1963: Table 17
- , GOSWAMI & GOSWAMI, 1973: 242, 243; FIG. 8-11
- , GOSWAMI & GOSWAMI, 1974: TAB. 2
- , ITOH, 1970: TAB. 1
- Madhupratap & Rao, 1979: 10
- Madhupratap et al, 1975: passim.
- Madhupratap ~~et al~~, 1979: passim

- Madhupratap 1980: passim
- Madhupratap & Haridas, 1975: passim
- Chen, 1980: table 1
- Mori, 1942: 556
- , KADOTA + TANAKA, 1984: 111
- UYE + KASAHARA 1978: 112
- GOSWAMI 1983: 254-257, INDIA
- GAJBHIVE ET AL 1984: 77-79, INDIA
- , MADHUPRATAP + HARIDAS, 1986: 111, INDIAN OCEAN
- Sarkar, et. al., 1986: 178
- , SPINICAUDATA, MAUCHLINE 1988: 715-716

Acartia spinicauda Giesbrecht 1889

card 3

-- Stephen 1984: 168-, Arabian Sea/Bay of Bengal

-- *BAMSTEDT* 1986: 6-

(Eucartia)

Acartia steveri Smirnov ♂♀

— — Smirnov, 1936, p. 87: text-figs. 1-3.

— —, Brodsky, 1950, p. 425, fig. 300

-- --, Tanaka, 1965, pp. 54-56, fig. 245 a-g

-- --, Kos, 1958, p. 191 S. Kuriles.

-- --, Furuhashi, 1961: 108

Habitat. Japan Sea.

-- --, HARIDAS & MADHUPRATAP 1978: 177

Acartia steueri

card 2

--, Uye, 1980, p. 11-18

--, Ueda, 1980, p. 174, 191.

--, Ueda, 1982, passim

--, Ueda, et al., 1983, passim

--, Uye, 1983, pp. 103-105

--, Uye, 1982, p. 5-7

- Marikova & Campos, 1967:68

- Uye, 1981:255-271

-- HIROMI & TAKANO 1984:171

Acartia steueri Smirnov

card 3

-- Uye 1980a: 1-10.

-- UYE 1984a: 47

-- UYE 1984b: 165

-- KOOA 1984b: 135

- Nishida, 1985: 136-137, fig. 6e-i

- Moryakova & Kampos, 1966: 130, *passim*

- Uye, 1985: 441, tbl. 1

- Valbonesi & Harada, 1980: 446-458, *passim*.
tbl. 1, fig. 1-2

-- TESTER 1986: 475-

Acartia steueri Smirnov

card 4

-- Turner, J.T. 1984d: 5-

-- CORKETT 1984: 150 -

-- OHMAN 1985: 28 -

-- NAGASAWA 1989: 63-64.

-- BRODSKY 1948: 4, 75, Pls. XXV (1, 8), XXVI (1),
SEA OF JAPAN.

Acartia teclae

--Bradford, 1976, pp. 159-202.

Acartia tokiokai Mori, 1942

— Mori, 1942: 556; Pl. 11, fig. 1-8, n. sp.

Acartia tonsa J. D. Dana, ♀.

- — Dana, 1852, p. 1122: pl. 79, fig. 4, a-g.
- — Cleve, 1900, p. 143: 1901, p. 4. 7°N, 95°W
- — M. Rathbun, 1905, p. 106.
- — Dana, 1849, p. 26 (280) (~~name only~~).
- — Wolfenden, 1906, p. 1023. Maldives, (in list only).

Habitat, Woods Hole: Plymouth Harbor.
 New South Wales: Pacific Coast of
 South America: Narragansett Bay.
 Malay Archipelago

- — Giesbrecht, 1892, p. 508, 522; pl. 30, f. 7, 34, 24
- — Giesbrecht & Schmeil, 1898, p. 154; pl. 43, f. 6
- — Wheeler, 1901, p. 183; Williams, 1907, p. 71,
- — Sharpe, 1910, p. 414; fig. 5, text.
- — Williams, 1906, p. 648, text-fig. 20, a-d
- — Fellows, 1912, p. 491.
- — Esterly, 1905, p. 204; text-fig. 49, a-d.
- — Giesbrecht, 1889, c. p. 25; 1892, p. 508;
pl. 30, f. 7, 24, 34.

Acanthacartia t — Steyer, 1915, p. 396.

— — Remy, 1927, p. 171; 3 text-figs, 1 map.

Acartia tonsa — Cleve, 1900, p. 44. Rzoska, 1938

— — Wilson, 1932, p. 160; fig. 109. Redeker 1935-

Acartia tonsa Dana

Vorstmann, 1946.

— —, Carvalho, 1952, p. 152. Bay of Santos.

— —, BRODSKY, 1950, p. 427, fig. 302.

— —, Woodmansee, 1958, p. 251. Chicken Key, Biscayne Bay, Fla.

— —, Conover, 1957. Seasonal distr., Southampton, England.

— —, Schwarz, 1960. Rügen I., E. Germany. ²⁹⁸ Fig. 5.

— —, Davis, 1944, p. 3-4. Chesapeake Bay.

— —, Grice, 1960, p. 221. West coast of Florida.

— —, Davis 1950, p. 91 [in table]. E+W coasts of Florida

— —, King, 1950, p. 128. W. coast of Florida.

— Willey, 1923: 312, 320-322

Cronin, Daiber, + Hulbert, 1962, pp. 77, 80-81.

Jeffries, 1962, passim. Distr. in Raritan Bay, N.J.

Foster, 1904, p. 75-77.

Davis + Williams, 1950. Passim.

Sutcliffe, 1948, p. 234.

~~Quere, 1962, p.~~ — CONOVER, 1955: 1-152

Cleve, 1904, p. 355. ~~Makoto~~ 25°N, 67°E

T. Scott, 1914, p. 8. Falkland Is. [Common].

Kiefer, 1952, p. 236, fig. 1-4. Lake Maracaibo, Venezuela.

-- --, Cervigon, 1962. p. 185

-- --, Herman & Mihursky, 1964. pp. 543-544, fig. 1

-- --, Anraku and ~~Makoto~~ Makoto, 1963. p. 118, fig. 5-10

— —, Anraku, 1964. pp. 200-201, fig. 4

Acartia tonsa Dana

(3)

- --, Anraku, 1964. pp. 221-231
- --, Jeffries, 1962. pp. 354-364
- --, Jeffries, 1962. p. 732
- --, Zillioux & D. F. Wilson, 1964. pp. 35-38, fig. 1
- --, Anraku, 1964. p. 49
- --, Bowman, 1961. pp. 206-207, *CHESAPEAKE BAY, USA*
- --, González & Bowman, 1965. pp. 257-258, fig. 11c-f
- --, Faber, 1966. p. 418.
- - Bakker, 1964, p. 464
- - Corckett, 1967
- --, Lance, 1964, p. 114
- --, Bacon, P.R., 1971, p. 85

--, Doervey, 1948, p. 7-13, Tables 1-5, 37-40

--, Cleve, 1901, p. 1

--, Jacobs, 1969, p. 357, 360-8, figs. 5, 6, 2, 3, 4

--, Jeffries, 1969, pp. 43-

--, Jeffries, 1970, pp. 419-

--, Jeffries & Alzara, 1970, p. 215-

--, Davies & Jensen, 1974, p. 18

- (Acanthacartia)-, Steuer, 1923, p. 111-, figs?

--, ITOH, 1970: FIG. 3; TAB. 2

--, HEINLE, 1966: 60-73; TAB. 1-9; FIG. 2-9

Acartia tonsa

Page ~~3~~, 4

--, Stock & Vos, 1960, p. 204-5

--, Schwarz, 1960, p. 293-8, fig. 1, 5

Acartia tonsa Dana

-- --, Cronin, 1962, p. 77.

- - , Bernard, 1970, p. 95

--, Vervoort, 1964, p. 4, 6, 8, 24, fig. 1b, c, *IFALUK ATOLL*

--, Coker & Gonzalez, 1960, p. 18

--, Tranter & Abraham, 1971, p. 224

--, ROBERTS, ET AL., 1975: 2525-2528; TAB. 1

- , Omori, 1973, pp. 4-8.
- , Van Engel & Tan, 1965, p. 184-
- , Bradley, 1975, 33-34.
- , Davies, Jensen, and Hanson, pgs. 7, 15, 18, 19
- , Bowman, 1965, p. 150.
- , Gonzáles, 1974, pp. 219-223, figs. 2-3, table 1.
- (Acanthacartia) -, Kiefer, 1956, p. 234, 235,
236, figs. 1-4, ~~p. 236~~
- Coull and Vernberg, 1975, p. 293.
- Stickney and Knowles, 1975, pp. 147-153, fig. 3.
- , Allan, 1976, p. 170-
- , Cushing, 1951, p. 165
- , Darnell, 1961, p. 555

Acartia tonsa

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Darnell, 1962, p. 434-

--, Arcos, 1975, p. 23-25, figs. 71-74

--, Bowman, 1971, p. 6 -

--, Bjornberg, 1971, p. 348-9

--, Heinle, 1969, pp. 150-153, Table 1

--, Tundisi & Tundisi, 1968, pp. 64.

--^{DS}, Wilson, 1973, p. 909-

--, Bradford, 1976, pp. 159-202

--, Luzon du REST, R.P. 1963, pp 139, 140, 143, 148-150

-- Crisafi Crescenti, 1972, p. 221.

-- Wilson, Parrish, 1971, p. 202-204.

-- Umminger, 1968, p. 255.

- Lonsdale & Coull, 1977, pp. 275 -
- Zillioux and Gonzalez, 1972, p. 218, 220-229, Table 1-3, fig.
- , Hamner & Carleton, 1979: 1
- , Bjornberg, 1963: 62, 64, 66, 99, 100 (Table), 104 (Table 7), 130
- , JOHNSON, 1980: 567-568, 580-581
- , BARSZCZY & YEVICH, 1976: 104 FIGS 2-6.
- , ROBERTSON ET AL., 1974: 73, 75
- , A. (ACANTHACARTIA) TONASA VERVOORT 1965: 198-199
- , HOPKINS, 1977: 468, 473, 475; TAB. 1-3; ~~570~~.
- , LAUDRY, 1978: 1104, 1105, 1107-1112; FIG. 2, 3, 7, 9; TAB. 1

ACARTIA TONSA

CARD 6

- , HEINLE, 1970a: 360, 361, 364-371; FIGS 1-3, 5; TAB. 1
- , HEINLE, 1970b: 1-18; FIGS. 1-6; TAB. 1, 2
- , FERRARI, 1978: 509, 518
- , JEFFRIES & JOHNSON, 1976: 98, 100; FIG. 1; TAB. 1
- , MILSTEIN, 1979: 69; 73
- , HEIP & SMOL, 1976: TAB. 5
- , ARCOS, 1976: 97, 99; TAB. II
- , HERMAN, ET AL., 1968: 74-75, 80-81; FIG. 12-13; TAB. 2, 3
- , ACADEMIA SINICA, 1979: 160

A. TONSA

- , LAUROIX & FILTEAU, 1971: 792
- , KNATZ, 1978: 68, 69, 70, 71; FIG. 3; TAB. 1
- , OGLE, 1979: 291-292 (MASS CULTURE)
- , BJORNBERG & WILBUR, 1968: 407
- , DAVIES & JENSEN, 1975: 2141
- , DIGBY, 1954: 330
- , FLEMINGER & CLUTTER, 1965: 101; TAB. 2, 4, 7, 9, 10
- , HERMAN, ET AL., 1971: 142
- , COZON & REST, 1963: 139, 140, 143, 149-150, 152-153;
FIG. 7, 8, 14; TAB. 1

ARCTIA TONSA

CARD 7

- , GREEN & HARGRAVE, 1966: 338, 339
- , PAFFENHOFER, 1976: 55
- , MARTIN, 1968: 65
- , HEINLE, 1969: 186, 188-189, 192, 193, 194-195, 197, 200,
202-205, 207, 208; FIGS. 1, 3-5, 10-12, 14-18;
TAB. 1-6.
- , LANCE, 1965: 155-163; FIG. 1, 2; TAB. 1-3
- , FARMER, 1980: 359-361 HYPOREGULATION
FIG. 1; TAB. 1

- , OWREN & FOYO, 1970: 506; TAB. 3, 6
- , ODUM, ET AL., 1963: 414, 430, 436
- , CALEF & GRICE (UNPUBL.) IN KETCHUM & RYHER, 1966
(UNPUBL.): APPENDIX

- , LINDQUIST, 1959: 6
- , ARCOS 1978: 47, TAB. III.
- , BOUSFIELD 1955: pp. 35, 61-63, 65; TAB. IX.
- , DAVIS 1950: Tab. V - p. 91.
- ✓ --, CARVALHO 1952: 152.
- ✓ --, Redeke 1935: 315-320, 322-328; Figs. 1, 3, 5.

Acartia tonsa

card 8

- , Lindsay, J.A., 1974, p. 185
- , Stickney & Knowles, 1976, p. 121-128, fig. 3
- , Semina, G.I. (ed), 1968, p. 97
- , Turner, 1981, p. 369, tbl. 2
- , Ueda, 1978, p. 57
- , Davis, Hanson, & Jensen, 1976, p. 353, 355
- , Smol & Heip, 1974, p. 162
- , Grice & Marcus, 1981, passim
- , Ueda, et al., 1983, p. 165
- , Turner, 1982, passim

- , Fonseca & Prado, 1979b, p. 11
- , Fleeger, et al, 1983, *passim*.
- Conover, 1970: 423.
- Hammer, 1978: 386-388, figs 1-4.
- , REID & ESTEVES, 1984: 310-311, 315, 321
- , NISHIDA, 1984: 39
- , PETERSON & MILLER, 1977: 718
- TURNER ET AL. 1984: 191-196
- TURNER 1984b: 265-274, 278-280.
- KLEPPEL & MANZANILLA 1983: 155-158.

Acartia (Acanthacartia) tonsa (Dana)

- ^{RS} FULTON 1984: 399-400, 402-412
-- , Herbst, 1967, p. 96
-- Ramirez, 1969: 84-85, fig. 135
-- , McALICE, 1981: 267-272.
-- , ANRAKU & KOZASA, 1978: 105
-- DUSSART 1984: 62
-- IKEDA 1977a: 19-28.
-- IKEDA 1977b: 29-34.
-- P.S. FULTON 1982: 79-83.

Acartia (Acanthacartia) tonsa (Dana)

card 10

-- Profant & Meurice 1982: 162.

-- NIVAL & NIVAL 1973: —

-- CONLEY & TURNER 1985: 114, 119, 115

-- UYE & KASAHARA 1978: 115, 116, 117

-- UYE & KASAHARA 1983: 155, 156

-- UYE 1984a: 44, 47, 48

-- UYE 1984b: 165, 172

-- FULTON 1983: 67-81

-- PATRISI 1984a: 156

Acartia (Acanthacartia) tonsa (Dana)

card 11

- WICKSTEAD 1962: 545, 546
- YOUNG-BLUTH 1982: 120, BAHAMAS
- YOUNG-BLUTH 1976: 481-496, PUERTO RICO
- YOUNG-BLUTH 1979: 23, CARIBBEAN
- YOUNG-BLUTH 1980: 265-287, PUERTO RICO
- BISHOP 1967: 259-261, PATUXENT RIVER + SOLOMONS,
MARYLAND.
- KOGA 1984b: 104, 188, 105, 134
- MÄEMETS & VELDRE 1956a: 19, 80, 85, Pl. X Figs. 3-6,
POSSIBLE RECORD - ESTONIA

- Pallares, 1968: 29-31, pl. 2, fig 1-4
- Turner & Dagg, 1983: 14, tbl. 2
- Turner, et al., 1979: 136-138
- Bjornberg, 1981: 661, fig. 223 #5
- HIRAKAWA & ZAMA 1985: 115-120, SOUTH CHILE FJÖRD
- Dawson & Knatz, 1980: 19, pl. 6, fig. a-k
- HIRAKAWA 1986: 298
- SAZHINA 1975: 82, 84
- Corbett, 1981: 173- , fig. 1 b, g
- Sullivan & McManus, 1986: 121-128 seasonal succession
- Uye, 1985: 441, tbl. 1

Acartia (Acanthacartia) tonsa (Dana)

card 12

-- Sage et al 1976:83-87, Potomac River

-- IWASAKI ET AL 1977: 60-61.

-- IWASAKI + KAMIYA 1977: 52.

-- GRICE + HART 1962a: 293-297, W. N. ATLANTIC

-- GRICE + HART 1962b: TABLE 3.

-- HARGRAVE + GEEN 1968: 333-342, NOVA SCOTIA

-- JERMOLAJEV 1958: 1219-1228, BAY OF FUNDY

-- SCHELL 1985: 130, 132 - as ACARTA TONSA

Deevey, 1952b: 131, 134, 141-142, 146

Deevey, 1952a: 85-86, 91

Deevey, 1960a: 15, 25-28

Deevey, 1960b: Passim

-- VILELA 1972: 2, 11

--- TRUJILLO-ORTIZ 1986: 188, 189, 200, 201

— Kjørboe, et al, 1985: passim

--- ZAMORA-SÁNCHEZ + GÓMEZ-AGUIRRE 1985: 337, 339-340, AGIABAMPO LAGOON, GULF OF CALIFORNIA

--- ZAMORA SANCHEZ 1974: 1-57, PLATES D-I, AGIABAMPO LAGOON, GULF OF CALIFORNIA.

-- AMBLER 1986: 183-196, TEXAS

--- UEDA 1987b: 698

— Mikheev, 1977: 511-516

— Arndt & Schnese, 1986: 329-333

Acartia (Acanthacartia) tonsa (Dana)

card 13

-- Milstein & Juanico 1985: 157,-162, Maldonado Bay,
Uruguay

-- MILSTEIN 1983: 353, MALDONADO BAY

-- MILSTEIN 1984: 339-342, " "

-- IZAWA 1987: 174-

-- VANDERPLOEG ET AL. 1987: 1910

-- SAGE & HERMAN 1972: 31-, SANDYHOOK BAY, N.J.

-- STEPHEN & RAO 1985: 471

-- MONTU 1980b: 57-, BRAZIL

Acartia (Acanthacartia) tonsa (Dana)

card 14

- Montú & Gloeden 1986: 93-, figs. 29a-c, southern Brazil
- McERLEAN ET AL. 1972: 551-, CHESAPEAKE BAY
- DRESSEL ET AL. 1972: 157-159, CHESAPEAKE BAY
- BARETTA & MALSCHAERT 1988: 69-, EMS ESTUARY,
NETHERLANDS / GERMANY
- BAMSTEDT 1986: 15-
- MAYZAUD 1986b: 240-
- CORNER ET AL. 1986: 264-
- TESTER 1986: 475-480, NORTH CAROLINA

Acartia (Acanthacartia) tonsa (Dana, 1852)

card 15

-- Corkett 1986: 69

- KLEIN BRETELER & GONZALEZ 1986: 81
- BJÖRNBERG, T. 1986b: 233; FIG. 11 b, NAUPLIUS
- TACKX & POLK 1986: 604-608, NETHERLANDS
- PAFFENHÖFER & STEARNS 1988: 33-38, US E. COAST
- KIMOTO ET AL. 1986b: 142
- CRAWFORD & DABORN, 1986: 139
- CHOJNACKI, 1987: 127- figs 2-5 Baltic TABLE I
- AYUKAI, 1987: 49-50
- AYUKAI, 1987: 147

Acartia (Acanthacartia) tonsa (Dana, 1852)

- Lonsdale, et al. 1979: 235-246 figs 1-7 tabs 1,2
Chesapeak Bay
- Marin & Antezana, 1985: 963 tab 1 Chile

Acartia (Acanthacartia) tonsa (Dana, 1852) card 17

-- Paffenhöfer & Lewis 1989: 135

-- FERRARI & HAYEK 1990: TAB. 1

-- UYE & FLEMINGER 1976: 253-, CALIFORNIA

-- CITARELLA 1989: 126-, ST. LAWRENCE GULF, CANADA

-- LANDRY 1978b: 113-

-- ROMAN ET AL. 1988: 24-, US - GULF STREAM

-- HEAD 1986: 378

-- BAMSTEDT 1988: 56

-- RUNGE 1988: 66-

Acartia (Acanthacartia) tonsa (Dana, 1852)

card 18

-- Huntley et al. 1983: 158, 159

-- HUNTLEY + BOYD 1984: 466 -

-- HUNTLEY ET AL. 1986: 116 -

-- HUNTLEY 1988: 84 -

-- TESTER 1985: 45-53, BEAUFORT, NORTH CAROLINA

-- TURNER ET AL. 1983: 89-, LONG ISLAND (PECONIC BAY)

-- TESTER & TURNER 1988: 211-217, GULF OF MEXICO

-- KJØRBOE ET AL. 1988: 219-, KATTEGAT (BALTIC)

-- NAGASAWA 1988: 257 -

Acartia tonsa (Dana, 1852)

card 19

-- McLaren 1984: 828-

-- SHIH ET AL. 1988: 322; NOVA SCOTIA

-- HO + PERKINS 1985: 587-

-- LINDQUIST 1959 b: 59; GULF OF BOTHNIA

-- JIMÉNEZ PEREZ ET AL. 1988: 81; BAHIA DE
TODOS SANTOS, BAJA CALIFORNIA

-- JIMÉNEZ PEREZ + LARA-LARA 1988: 126; GULF
OF CALIFORNIA

-- JIMÉNEZ PEREZ 1989: 90; BAHIA DE TODOS SANTOS

Acartia tonsa (Dana, 1852)

card 20

- Turner, J.T. 1984d: 5-, feeding
- SUAREZ, F. & GASCA 1990: 62-, QUINTANA ROO, MEXICO
- GAEDKE 1990: 185-226, EMS-DOLLART ESTUARY, GERMANY
- PETERSON ET AL. 1990: 91
- BURRELL & ZWERNER 1972: 139, CHESAPEAKE BAY
- GRANT 1977: 4-9-, OFF NEW JERSEY
- BOTTGER 1985: 212-
- SHIH ET AL. 1971: 31, CANADA - ATLANTIC
- CITARELLA 1984: 138-, SHEDIAL BAY, NEW BRUNSWICK,
CANADA

Acartia tonsa (Dana, 1852)

card 21

-- Gaudy 1984:209--

-- LEE, W. Y. + McALICE 1979: 565-, DAMARISCOTTA R., MAINE

-- LONSDALE 1981: 391-, CHESAPEAKE BAY

-- SABATINI 1990: 53-61, FIGS. 1-48, BLANCA BAY,
ARGENTINA - DEVELOPMENT. (VAR. CRYOPHILA)

-- SABATINI 1989: 847-856, BAHÍA BLANCA, ARGENTINA

-- SANTANA-BARRETO ET AL. 1990: 90, PERNAMBUCO, BRAZIL

-- WHITEHOUSE + LEWIS 1973: 234-

-- SCHINDLER + COMITA 1966: 126-

Acartia tonsa (Dana, 1852)

card 22

- Defaye & Dussart 1988(89):110, French Guiana
- PETERSON, W. & DAM 1990: 450-, LONG ISLAND SOUND
- CARLOTTI & NIVAL 1991: 801-
- FRYD ET AL. 1991: 683-
- JAMIESON & BURNS 1988: 253-
- OHMAN 1985: 28-
- OHMAN 1988b: 537-
- KJØRBOE 1991: 238-
- BRODSKII ET AL. 1983: 18-

Acartia tonsa (Dana, 1852)

card 23

-- Hada & Uye 1991:155

-- BAN & MINODA 1991:299-

-- MILLER, C. B. ET AL. 1991:87-

-- REID 1992a:230, SYN. A. FLORIDANA

-- BAN & MINODA 1992:54-

-- HUYS 1990:184

-- RAMÍREZ 1966:19, LÁM. VI FIGS. 8-14, MAR DEL
PLATA, ARGENTINA

-- BOWMAN 1978b:251

Acartia tonsa (Dana, 1852)

card 24

-- Alvarez-Silva 1989: 4, Veracruz, Mexico

A. (A.)-, ALVAREZ SILVA 1988: 166-, VERACRUZ, MEXICO

-- ALVAREZ SILVA + LUNA FAUSTO 1991:--, VERACRUZ, MEXICO

-- SUAREZ M., E. 1994c: 181-, CHETUMAL BAY, MEXICO

-- MOREIRA, G. 1975: 78

-- M. BUTLER + DAM 1994: 81-91, LONG-ISLAND SOUND, NEW YORK, USA

-- MOREIRA, G. + VERNBERG 1978: 454

-- GUO + TESTER 1994: 222-227, FIG. 2, NORTH CAROLINA, USA (EFFECT OF TRICHODESMIN)

ACARTIA TONSA EDANA, 1852X

CARD 25

- BELMONTE ET AL. 1994: 9-15, FIG. 1-4
- ALVAREZ C., ISLAS L. + E. SUÁREZ M., 1996: 700-702, TAB. 2, LAGOON, CARIBBEAN COAST, MEXICO
- HEDGPETH 1959: 120, TAB. 2, CALIFORNIA, TEXAS, USA
- RINGUELET, ANOR, MAGALDI + PALLARES 1962: 52, ARGENTINA COAST.
- FLEMING-ERT + KRAMER 1988: 536, 537, TAB. 1, SAN DIEGO, CALIFORNIA, USA
- CARMAN + DOBBS 1997: 121-125, TABS. 1, 2
- ARNOFSKY 1996: 139

ACARTIA TONSA DANA

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-- LANDRY 1978:116

-- ALVAREZ - SILVA 1996:17-21, TAB. 2, VERACRUZ,
MEXICO

-- ALCARAZ 1997:184, 188, TABS. 2, 5

Acartia tonsa var. cryophylla (Bjornberg, 1963)

---, Arcos, 1975, p. 25

XXXXX

--- Bjornberg, 1963, var. nov.: 9, 64, 65, 66, fig. 34

--- ZAMORA SANCHEZ 1974: 38

-- VAR. CRYOPHILA, SABATINI 1990: 53-61, FIGS. 1-48,
BLANCA BAY, ARGENTINA - DEVELOPMENT.

Acartiidae - Calanoida

Acartia tortaniformis Sewell, ♀♂.

Acartiella

— — Sewell, 1912, p. 346: pl. 21, figs. 1-10

— — Sewell 1932, p. 393, Burma coast

- (Acartiella) tortaniformis, Steuer, 1923, p. ^{100-101, 91}~~12-13~~,
figs? 43-47.

Habitat. Bay of Bengal.

A. tortaniformis Sewell, 1912; Shen & Lee, 1963, p. 585

--, BRODSKY + ZVEREVA, 1976: 234

A. (A.) -, WELLERSHAUS 1969: 267, 269-270. FIGS. 61-63

(Acartiura)
Acartia tranteri BRADFORD, 1976

①

--Bradford, 1976, pp. 159-202

--, GREENWOOD, 1978b: 2, 13, 18; FIG. 8; TAB. 1; SWD: A. CAUSA

DAKIN + COLEFAX, 1940; ARDON, 1974; GREENWOOD, 1974.

—Greenwood, 1981: 592-595, FIG. 1 (GRAPH)

—Fancett & Kimmerer, 1985: passim

—Greenwood, 1982a: 57

—Greenwood, 1982b: table 3

--- UEDA 1987b: 698

—Tate & Griffiths, 1983: 112, 119 Australia

-- PAFFENHÖFER + STEARNS 1988: 33

Acartia (Acartiura) tranteri Bradford, 1976 card 2

--- McKinnon et al. 1992: 239-257, Figs. 5, 7, Western-
port and Port Phillip Bays, Australia;

A. TRANTERI (LARGE) OF KIMMERER + MCKINNON (1987)
= A. SP. (L) OF MCKINNON ET AL. 1992; A. TRANTERI
(SMALL) OF KIMMERER + MCKINNON (1987) = A. SP.
(S) OF MCKINNON ET AL. 1992.

Acartia (Acanthacartia) tropica Ueda & Hiromi 1987

--- Ueda & Hiromi 1987: 225, 227-229, 233-234, figs. 1c,f,
2g,h, 3e,h, 4f,g, 5d, 6, n. sp. ♀♂, Thailand & India

Acartia tsuensis ITO, T., 1956

-- -- 1956, PP.470, Fig. 2. Lakes in Japan

-- Ito, 1957, pl. 26, fig. 9-12.

— Uye, 1985: 441, Tab. 1

-- UEDA & HIROMI 1987: 226

-- OHTSUKA, UEDA & LIAN 1995: 156, 159, TAB. 1

Acartiidae — Calanoida,
Acartia tumida Willey - (Acanthacartia)

- Willey, 1920 p. 21 K: f. 25-27, text
-- , BRODSKY, 1950, p. 427, fig. 303.
-- , Meshcheryakova, 1964, p. 151
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Habitat. Arctic Ocean.

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Acartia (Acanthacartia) tumida Willey, 1920 card 2

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JAPAN.

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Acartia sp.

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- spp. Andronov + Maignet 1980: 71 - 76, 78, 80, 84.
- spp. juv., ARCOS 1978: TAB. III.

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116 21.

Acartia sp.

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A. SINJIENSIS.

Acartia sp. (nov.?)

(4)

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a- e, ♀ ♂ Australia

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(5)

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(6)

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Acartia sp.

card 7

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PACIFIC; 201, ?ARCTIC

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ARCTIC OCEAN

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ACARTIA SP. 1 BELMONT, MAZZOCCHI, PRUSOVA, + SHADRIN

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ACARTIA SP. BRADFORD, 1976

PUGET SOUND

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ACARTIA (ACANTHACARTIA) SP. ZAMORA SANCHEZ

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AGIABAMPO LAGOON, GULF OF CALIFORNIA (THESIS)

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1986: 337-346, PLATES 1-3, ♀♂, AGIABAMPO LAGOON,
GULF OF CALIFORNIA

ACARTIA SP. I, UYE & FLEMINGER

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CALIFORNIA; = A. CALIFORNIENSIS TRINAST
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TRINAST.

ACARTIA SP. II, UYE & FLEMINGER

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Acartia sp. (L) McKinnon, Kimmerer & Benzie, 1992

--- McKinnon et al. 1992: 239, 249, Figs. 6e,f, 8, n.sp.

female + male, Westernport Bay, Australia; synonyms

A. clausi (part), A. tranteri (part), A. simplex

Acartia sp. (S) McKinnon, Kimmerer & Benzie, 1992

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n. sp. female + male, Westernport Bay, Australia;

syns. A. clausi (part), A. tranteri (part)

Acartia spp.

1

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B11, B12 - ARABIAN GULF; SEE ALSO A. BISPINOSA,
A. PACIFICA

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Acartia spp.

card 2

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