

Parvocalanus Andronov

New genus for Paracalanus crassirostris F. Dahl.
Andronov, 1970, p. 984. (Paracalanidae)

PARVOCALANUS Andronov, 1970: 984.

--, ANDRONOV & MAIGRET 1980: 76.

-, NISHIDA, 1984: 38

PARVOCALANUS BREVISPINATUS (SHEN & LEE, 1966)

--, BRADFORD, 1978a : 133 & 340 : PARACALANUS B.

Parvo
Paracalanus crassirostris (Dahl, ♀.)

- — Dahl, 1894, p. ~~21~~¹²: pl. 1, f. 27-28. Mouth of Tocantins R.
- — Thompson & Scott, 1903, p. 243. (Ceylon)
- — Giesbrecht & Schmeil, 1898, p. 24

Paracalanus pygmaeus, T. Scott, 1893, p. 27: pl. 1, f. 1-8.
[= P. crassirostris f. scotti Früchtl, 1923 → 1924]

Habitat. Indian Ocean; Gulf of Guinea;
Tocantins River, Brazil; Chilka Lake

Ceylon Pearl Banks; Nicobar Ids.; Andaman Ids., Malaya.

— — REEDFORD, 1978a: 133; 340: PARACALANUS ?.

- — Gurney, 1927, p. 144: fig. 16. B-D; fig. 17-
 — — Sewell, 1913, p. 339: 1924, p. 780. ^{Suez Canal - 1st & 2nd}
 — — Sewell 1929, p. 72, fig. 27, a-b
 copepodid stages
 — — , Sewell, 1933, p. 25-6. Malaya.
 — — , Pesta, 1916, p. 4.
 — — f. typica Fruehlt, 1924, p. 36
 — — , Grice, 1960, p. 223. W. coast of Florida.
P. crasirostris
 — — , Jeffries, 1962. p. 731
 — — , Decker, 1964. p. 23. South Africa
 — — , Anraku, 1964 p. 49
 — — , González & Bowman, 1965. pp. 244-5, fig. 2f-n
 — — , Tanaka, 1960. pp. 23-24, fig. 1-7 _{3a}
 — — , FABER, 1966. p. 198.

Parvocalanus crassirostris (Dahl) card 2

--, Hiromi, J., 1981, p. 155-159, figs. 1,2

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

--, Turner, 1982, passim

-- FULTON 1984: 399-400, 403-412

-- YOUNGBLUTH 1979: 23, CARIBBEAN (= PARACALANUS
CRASSIROSTRIS OF SOME EARLIER CARIBBEAN STUDIES)

-- YOUNGBLUTH 1980: 265-287, PUERTO RICO

-- Turner & Dagg, 1983: tbl. 2

-- MADHUPRATAP & HARIDAS 1986: 108, 110, 114 - INDIAN OCEAN

Parvocalanus crassirostris (Dahl)

card 3

- Paffenhöfer & Stearns 1988: 33
- TURNER ET AL. 1983: 89-, PECONIC BAY, LONG ISLAND
- UYE ET AL. 1987: 428-, INLAND SEA, JAPAN
- FERRARI 1993b: 766; TAB. 1

PARVO

Paracalanus crassirostris Dahl

1894.

(4)

PARA

see Parvocalanus crassirostris (Dahl)

↓

- , DeDecker, 1962, p. 111
- , Rose, 1956, p. 460
- , Seno, Komaki & Takeda, 1963, tab. 2
- , Coker & Gonzalez, 1960, p. 18
- , Bjornberg, 1971, p. 348⁻⁹
- , Bowman, Chappuis, Herbst, 1959, p. 266.
- , Pillai, P.P. 1971, pp. 163.
- , form. *typica*, Fruchtl, 1924, p. 36-9
- , Cuzon du REST, Rene, 1963, p. 132, 140, 148
- , Zillioux and Gonzalez, 1972, p. 208.

- , Bowman, 1971, p. 5-
- , Bayly & Arnott, 1969, p. 194
- , Taw, 1974, p. 270.
- , Bjornberg, 1963: 4, 9, 28, 94, 96, 99, 100 (table), Table 10,
121, 125-127
- , TANAKA, 1956: 367
- , HOPKINS, 1977: 468, 473, 475; TAB. 1-3
- , GREENWOOD, 1976: 2, 22-23, 24, FIG. 8; TAB. 1
- , MILSTEIN, 1979: 65-75; FIG. 5-7; TAB. 4
- , BJORNBERG & WILBUR, 1968: 398, 399, 400-403, 405, 406,
407-410; FIG. 1-4 & TAB. 1, 2
- , BINET & DESSIER, 1971: 424
- , COZON DU REST, 1963: 139, 140, 146, 148, 152; TAB. 1

PARVO-

Paracalanus crassirostris - 2

PARA- --, Wellershaus, 1969, pp. 247-252, figs. 1-9

Faber, 1966, p. 419.

Parvocalanus crassirostris: Andronov, 1970, p. 984.

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

↓ -- Lonsdale & Cully, 1975, p. 275 →

--, = PARVOCALANUS c., BRADFORD, 1978a: 133

— De Decker, 1984: 315

--, OWREN & FOYO, 1972: 506; TAB. 6

--, DAVIS 1950: Tab. V-p. 93.

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

- Greenwood, 1982a: 60
- Greenwood, 1982b: table 3

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Paracalanus crassirostris

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PARA

---, Shmeleva, 1973, p. 538

-[?], Ueda, 1980, p. 172, 191-193.

--, Fonseca & Prado, 1979b, p. 12

--, Marques, 1953:96

--, Madhupratap, et al. 1975: passim

--, Madhupratap, ~~1979~~ 1979: passim

-- Madhupratap & Haridas 1975: passim

-- Madhupratap, 1980: passim.

- → Milstein, 1980: passim

-- Bjornberg, 1980: ~~passim~~ 1980(92): 65-, OFF BRAZIL

- Nishida, 1985: 127
- Chen, 1980: table 1
- Santos, 1970: 285
- Bjornberg, 1968: 45. pl. 4, fig 1-12.
- Bjornberg, 1981: 622, fig. 207 #3
- R. S. FULTON 1982: 82.

- SHEN & LEE 1966: 216, 222.

- YOUNG-BLUTH # 1976: 489-491, PUERTO RICO
- ~~-- YOUNG-BLUTH # 1980: 265-267, PUERTO RICO~~

- KOGA 1984b: 104, 133

- GATPHIVE 1984: 77-79, INDIA
- Deevay, 1952a: 92
- Deevay, 1952b: 131, 134, 144

PARVO -

PARACALANUS C. RASSIROSTRIS DAHL

CARD 47

- ^{PARA}
-- MICHEL ET AL. 1986: 2, 13, 14, 20, 35 - ARABIAN GULF
-- MICHEL ET AL. 1986: 39, 51, 56-61, 67, 69, 75, 80-81,
FIGS. 85, 86 - ARABIAN GULF
-- MICHEL ET AL. 1986 C: 53, 54, 60, 65, 66 - ARABIAN GULF
-- LAWSON + GRICE 1973: 43-56, FIGS. 1-124, DEVELOPMENT
-- KIMMERER, et al, 1985: table 3, Australia
-- UEDA 1987: 65-73, MAIZURU BAY - JAPAN
-- TAFE & GRIFFITHS, 1980: 112, 123 Australia
-- MILSTEIN + JUANICO 1985: 159-162, MALDONADO BAY,
URUGUAY

PARVO-

Paracalanus crassirostris Dahl

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PARA.- Milstein 1983: 353, Maldonado Bay, Uruguay

- SAGE + HERMAN 1972: 32, SANDY HOOK BAY, NJ
- DAVIS 1981: 108, 109
- CHEN, Q.-C. 1986: 526-
- DAVIS, CABELL S. 1986: 628, GEORGES BANK
- REVIS 1988: 349-, KENYA
- BURRELL + ZWERNER 1972: 138, CHESAPEAKE BAY
- GRANT 1977: 4-8-, OFF NEW JERSEY
- LAKKIS 1984: 290, E. MEDITERRANEAN

PARVO -

Paracalanus crassirostris Dahl, 1894

card 68

PARA- Michel & Herring 1984:328-, Arabian Gulf

PARA- BONECKER, NOGUEIRA + SANTOS 1990:74, OFF ESPIRITO
SANTO, BRAZIL

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

PARA- ARAÚJO ET AL. 1990:99, OFF SERGIPE, BRAZIL

PARVO -, REID 1990g:189, MEXICO, ANTIGUA, MARTINIQUE,
ST. LUCIA, TRINIDAD/TOBAGO

PARA- -, LINDLEY 1992:370

PARVO- -, BOWMAN 1978a:113-

Parvocalanus crassirostris (Dahl, 1894)

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Para --, Lansac Toha & Lima 1993: 91-, Tab. 1, S. Paulo,
Brazil

PARA --, PARANAGUA' 1985: 774, PERNAMBUCO, BRAZIL

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

PARVOCALANUS DUBIA (SEWELL, 1972)

--, BRADFORD, 1978a: 133; 540. PARVOCALANUS D.

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

Parvocalanus elegans Andronov

Parvocalanus elegans Andronov, 1972, pp 140-141,
fig. 2. ♀♂. Gulf of Aden.

- , BRADFORD, 1978a : 133 ; SYN : PARACALANUS E.
--, Hiroshi, J., 1981, p. 159-160, fig. 4
- ELEGANS, MADHUPRATAP & HARIDAS, 1986: 108, 110 -
INDIAN OCEAN

Parvocalanus latus Andronov

Parvocalanus latus Andronov, 1972, pp 139-140,
figs. 1-10. ♀ only. SW of Cape Comorin,
India.

--, BRADFORD, 1978a: 133; SYN: PARACALANUS L.

--, MADHUPRATAP & HARIDAS, 1986: 108, 110 - INDIAN OCEAN

PARVOCALANUS SCOTTI (FRUEHL, 1923)

--, BRADFORD, 1978a: 133; SYN: PARACALANUS S.

PARVOCALANUS SERRATIPES (SEWELL, 1912)

--, BRADFORD, 1978a: 133; SYN: PARACALANUS 5.

--, MADHUPRATAP HARIDAS, 1986: 108, 110 - INDIAN OCEAN