

Paraevchaeta

Euchaetidae - Calanoida

A. Scott, 1909.

P. norvegica.

Syn 2. Paraevchaeta, A. Scott, 1909, p. 69.

Paraevchaeta, Brady, 1918, p. 21.

Euchaeta (pars) Boeck, 1865, p. 235

Euchaete, Witt, 1915, p. 157 (pars).

Parevchaeta Sars, 1925, p. 111

Parevchaeta Farran, 1929, p. 238.

Euchaeta (pars) Esterly, 1906, p. 60.

Jespersen, 1934, p. 79. Parevchaeta -

*Pareuchaeta* Mori, 1933, p. 174.

*Euchaeta* (pars) Hansen, 1886, p. 74.

*Pareuchaeta* Rose, 1933, p. 117; 1929, p. 25

*Euchaeta* (pars) Wolfenden, 1904, p. 135.

Paraeuchaeta A. Scott, 1909

(2)

- SEKIGUCHI, 1984: 43 (as PAREUCHAETA).
- TANAKA 1958: 327 + 333-367, JAPANESE SP.  
(AS PAREUCHAETA)

PAREUCHAETA, KOGA 1973: 36, FIG. 10-3, NAUPLIUS

PAREUCHAETA, KOGA 1984b: 107, FIG. 2-3, NAUPLIUS

PAREUCHAETA, HEPTNER 1987: 1187, 1188, MODIFIED  
DIAGNOSIS.

- BRADFORD ET AL. 1983: 13, 20, REDIAGNOSIS, SPECIES  
LIST.

Paraeuchaeta A. Scott, 1909

card 3

Pareuchaeta, Mauchline 1988: 731-, figs. 22b-f, pore  
signatures

PAREUCHAETA, BANSTEDT 1986: 8-

- , FONTAINE 1988: 27-, vs. EUCHAETA

- PARK 1995: 29-, DIAGNOSIS, KEYS

PARAEUCHAETA ANTARCTICA SPECIES-GROUP PARK, 1995  
---- PARK 1995: 87-, DIAGNOSIS, KEY

PARAFUCHARTA GLACIALIS SPECIES-GROUP PARK, 1995  
---- PARK 1995; 81, DIAGNOSIS

PARAEUCHAETA HEBES SPECIES-GROUP PARK, 1995  
---- PARK 1995: 83-, DIAGNOSIS, KEY

SPECIES-GROUP

PARAFUCHAETA - MALAYENSIS, PARK, 1995

----- PARK 1995: 31-, DIAGNOSIS, KEY

PARAEUCHAETA NORVEGICA SPECIES-GROUP PARK, 1995

---- PARK 1995: 71-, DIAGNOSIS, KEY

PARAEUCHAETA PAVLOUSKII SPECIES-GROUP PARK, 1995

--- PARK 1995: 66-, DIAGNOSIS, KEY

PARA  
EUCHAETA ABBREVIATA (PARK, 1978)

E.- PARK, 1978 : 202, 203, 204, 240-244 ♀ ♂ FIG. 92, 93

PARAEUCHAETA -, BRADFORD ET AL. 1983: 20

P.-, RAZOULS 1994: 11

P.-, PARK 1995: 63; FIGS. 58, 59, DESCRIPTION,

DISTRIBUTION - ANTARCTIC, TASMAN SEA, E. TROPICAL  
PACIFIC

<sup>a</sup>Pareuchaeta abrikosovi M. Heptner, 1971

n. sp., Heptner, 1971, pp. 88-90, fig. 7

-- BRADFORD ET AL. 1983: 20

-- PARK 1995: 10-

PAR<sup>a</sup>EUCHAETA ABYSSALIS (BRODSKY), 1950

— — BRODSKY, 1950, P. 219, fig 133, USSR

--, HEPTNER, 1971, p. 90, fig. 8

-- HEPTNER 1987: 1185

-- BRADFORD ET AL. 1983: 20

-- PARK 1995: 53, FIG. 45, DESCRIPTION; OFF JAPAN,  
TASMAN SEA, OFF CENTRAL AMERICA

Paraeuchaeta abyssaloides Heptner 1987'

Pareuchaeta -, Heptner 1987: 1184-1185, fig. 5(4-6), n. sp.

♂ only, Kurile-Kamchatka Trench

- - PARK 1995: 11-

PARAEUCHAETA ACUTA - SEE EUCHAETA

EUCHAETA ACUTA GIESBRECHT - SEE  
PARAEUCHAETA

Paraeuchaeta aequatorialis nom. nov. Tanaka, 1958.

-- Tanaka 1958: 334, 348-351, fig. 72a-g; nom. nov. for Euchaeta scotti of Wolfenden, 1911 (non E. scotti Farran), 355.

--Tanaka & Omori 1968: 225, figs. 3-A & 4-A

--Roe 1972a: 295-

--Park 1978: (= Euchaeta a.)

-- YAMANAKA 1976: 161-196, SW ATLANTIC

-- BRADFORD ET AL. 1983: 20

Euchaeta aequatorialis (Tanaka, 1958)

-- Park, 1975, pp. 2, 4, 5, 8, 9 fig. 6 = P. MEXICANA

--, PARK, 1978: 203, 204, 205, 275, 276-278 ♀, 280; FIG. 116

SYN: E. SCOTTI, WOLFFENDEN, 1911; PARAEUCHAETA A.

P. -, BRADFORD ET AL. 1983: 20

P. -, RAZOULS 1994: 95

P. -, PARK 1995: 45-, FIG. 34, DESCRIPTION,  
DISTRIBUTION

= PARAEUCHAETA

Euchaetidae - Calanoida.

Euchaeta affinis Cleve, ♀.

E. — Cleve, 1904, pp. 190, 201: pl. 3. f. 17-19.  
5 202

E. — Stebbing, 1910, p. 528

PARAEUCHAETA —, BRADFORD ET AL. 1983: 20

P. —, PARK 1995: 8-

E. —, CLEVE 1905: 201-202, FIGS. 17-19, N. SP.

Habitat, So. Atlantic.

PARA-  
Euchaeta alaminae (Park, 1975)

E. Park, 1975, pp. 2, 23-24, fig. 20.

PARAEUCHAETA -, BRADFORD ET AL. 1983: 20

A. -, PARK 1995: 65 -, FIG. 61, DESCRIPTION,  
DISTRIBUTION - NEW RECORD, OFF PAC. COAST OF  
CENTRAL AMERICA

Paraeuchaeta altibulla Park, 1995

-- Park 1995: 53-, Fig. 46, n.sp. female only, nw Pacific  
off Japan and ne Atlantic off Ireland

Paraeuchaeta anfracta Park, 1995

-- Park 1995: 65, Fig. 62, n.sp. female only, e. tropical  
Pacific, nw Pacific, Tasman Sea

Euchaetidae - Calanoida,

Euchaeta antarctica Giesbrecht, ①

— — Giesbrecht, 1902, p. 21: pl. 3, f. 1-8.

— — Quidor, 1906, p. 54.

— — Wolfenden, 1908, p. 18: pl. 4, figs. 5-6.

— — Wolfenden, 1911, p. 295.

— —, VERVOORT, 1951, p. 91-92.

Habitat. Antarctic Ocean

--, COMITA, ET AL., 1966: 15

France.

-- --; Vervoort, 1957, p. 74-78

--, Bradford, 1971, p. 21, fig. 64-67

--, Tash, 1967, p. 136.

--, PARK, 1978: 94, 202, 203, 204, 200-224<sup>2</sup>; FIGS. 77-79;

SYN: PARAEUCHAETA A., FARRAN, 1929

- Dearborn, et al. 1986: passim.

- ZMIJEWSKA 1983: 33-45, PRYDZ BAY, ANTARCTICA

Paraeuchaeta antarctica (Giesbrecht), ♀ (2)

Euchaeta -- Giesbrecht, 1902, p. : pl. 3. figs. 1-5

Paraeuchaeta -- Brady, 1918, p. 21

Paraeuchaeta, Farran, 1929, p. 238. = EUCHAETA A. (PARK, 1978)

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

--, Cushing, 1951, p. 166

Habitat. Antarctic Ocean.

--, ZVEREVA, 1976: 71; fig. 2

--, Bradford, 1981, pass  im, pp. 398-400, fig. 1A, 5.

--, Hempel, et al., 1983, p. 18

--Zvereva, 1975: 252

PARAEUCHAETA -, YAMANAKA 1976: 161-196, SW.

ATLANTIC.

-Bjornberg, 1981: 633, fig. 211 #5

PARAEUCHAETA -, MONTU' + CORDEIRO 1986: 88-, WEDDELL  
SEA.

PARAEUCHAETA -, MONTU' + OLIVEIRA 1986: 119-, S. ATLANTIC

P. -, BRADFORD ET AL. 1983: 20, 25, 27, 129, 140, FIGS.  
10, 80; RECORDS - SW PACIFIC

Paraeuchaeta antarctica (Giesbrecht, 1902)

card 3

Euchaeta -, Bamstedt 1986: 42-

E. -, ALMEIDA PRADO POR 1986: 517-523, FIGS. 2(6),  
3, ANTARCTIC; ALSO AS PARAEUCHAETA

E. -, WARD, P. 1986: 637, SOUTH GEORGIA

PARAEUCHAETA -, JAZDZEWSKI ET AL. 1982: 222-,  
DRAKE PASSAGE

E. -, FONTAINE 1988: 27-57, FIGS. 3-7, DISTRIBUTION;  
TYPE OF "ANTARCTICA SPECIES-GROUP"

-- Marin & Antezana 1985: 963 tab 1 Chile p. 931

Paraeuchaeta antarctica (Giesbrecht, 1902) card 4

E.-Ferrari & Dojiri, 1987: 458-478 figs 1-5,7  
tabs 1-6 Southern Ocean Atlantic Sector

E.-, FERRARI & DEARBORN 1989: 1315-1319,  
ANTARCTIC PENINSULA, SOUTH GEORGIA

E.-, FERRARI & HAYEK 1990: 114, TAB. 1

P.-, MARIN 1987: 109, SCOTIA SEA

E.-, ATKINSON & WARD 1988: 329, S. GEORGIA

P.-, MARIN 1986: 62, SCOTIA SEA

E.-, P. WARD 1989: 144, S. GEORGIA, ANTARCTICA

Paraeuchaeta antarctica (Giesbrecht, 1902)

card 5

-- Razouls 1994: 85-, Pl. 36, Antarctica; synonymy; IR

-- PARK 1995: 88-, FIGS. 84, 85, DESCRIPTION, DISTRIBUTION  
(NEW RECORDS - ANTARCTIC, TASMAN SEA); SYNONYMY

PAREUCHAETA -, ZVEREVA 1976: 70-71, FIG. 2

EUCHAETA -, QUIDOR 1906: 1, 2, ANTARCTIC

~~PARAEUCHAETA~~ Euchaetidae - Calanoida.  
Euchaeta austrina Giesbrecht, ♀. ①

E — Giesbrecht, 1902, p. 22: pl. 3, f. 9-16.

E — Wolfenden, 1911, p. 296.

E —; Vervoort, 1957, p. 78.

E —, PARK, 1978: 94, 202, 203, 204, 204, 276

PARAEUCHAETA —, BRADFORD ET AL. 1983: 20

Habitat. Antarctic Ocean.

E —, FONTAINE 1988: 27, FIGS. 6, 13, 16, 17, ANTARCTICA;  
IN "ANTARCTICA SPECIES-GROUP"

P. —, RAZOULS 1994: 12

Euchaeta austrina (Giesbrecht, 1902)

card 2

-- Park 1995: 90-, description, distribution (new record -  
to Ross Sea)

Euchaeta barbata Brady, ♀, ♂.

- - Brady, 1883, p. 66: pl. 22, figs. 6-12.
- - Giesbrecht, 1892, p. 246: Wolfenden, 1904, p. 135.
- - Giesbrecht & Schmeil, 1898, p. 40.
- - Thompson & Scott, 1903, p. 244.

Habitat. N. Atlantic: Indian Ocean.

- — Pearson, 1906, p. 17: Sars, 1907, p. 3.  
 — — Farran, 1908, p. 40: pl. 3, figs, 13-14.  
 Pareuchaeta — A. Scott, 1909, p. 70: pl. 18, f. 1-8.  
 Euchaeta porrecta, n. sp. Sars, 1905, p. 16.  
Not — barbata Th. Scott, 1894, p. 58: pl. 6, f. 17.  
Not — — Sars, 1901, p. 41: pl. 28.  
Not — — Damas & Koefoed, 1907, p. 409.  
 — — (pars) v. Breemen, 1908, p. 54: fig. 61.  
 — — With, 1915, p. 174: <sup>177</sup>pl. 6, f. 8, a-b: text f. 49, a-p <sup>syn. PORRECTA</sup>  
 — norvegica (pars) Sars, (Sars, 1901, p. 41), 1885, pl. 19.  
 — barbata Thompson, 1888, c, p. 140.  
 — hebes, var. valida, S. T. Scott, 1893, p. 60: pl. 6, f. 20-22.

Euchaeta barbata Brady, ♀

(2)

- — G. O. Sars, 1901, p. 41: pl. 28
- — Damas & Koefoed, 1907, p. 409.
- — Th. Scott, 1894, p. 58; pl. 6, f. 17.
- — Grice & Hulsemann, 1968: 329

A synonym of Euchaeta farrani.  
(With, 1915, p. 172).

~~(= E. farrani), Parra, 1978:~~

- Devey & Brooks, 1977: 263

--, BRODSKY, 1950. P. 209, fig. 122. USSR

--; Vervoort, 1957, p. 83-84; syn. E. PORRECTA SARS

--, Stormer, 1929, p. 32

--, Heptner, 1971, p. 77, a syn. of Pareuchaeta b.

--, Sato, 1913, in no. 11

--Par, T., 1975, pp. 3, 4, 9, fig. 7.

--, PARK, 1978: 203, 204, 252, 259-263, 264; FIG. 1054, 107;  
SYN: PARAEUCHAETA B.; P. SARS

Paraeuchaeta barbata (Brady) ♀.

(3)

Euchaeta - Brady, 1883, p. 66: pl. 22, f. 6-12

— — Giesbrecht, 1892, p. 246. [figs. 13, 14

— — Wilk, 1915, p. 174: Farran, 1908, p. 40: pl. 3.

Paraeuchaeta barbata A. Scott, 1909, p. 70: pl. 18, f. 1-8.

= P. malayensis Sewell 1929, p. 160; Verhoeff, 1957

Habitat. Atlantic, north & south: North Sea: Indian Ocean. Mass. <sup>p. 64</sup>

— Ramirez, 1969: 65-66, fig 80, 85, 88

- — Sars, 1925, p. 112: pl. 30, figs. 1-6.  
— — Wilson, 1932, p. 67: fig. 44. = EUCHAETA FARRANI, (PARK, 1978)  
— — ? Sewell 1929, p. 155, fig. 59  
— —, BRODSKY, 1950, P. 209, fig. 122, USSR.  
— —, JESPERSEN, 1934, P. 78, W. GREENLAND WATERS. - 1940, p. 32, SW of Iceland.  
--- Tanaka and Omori, 1967, pp. 239-260.  
--- Tanaka & Omori, 1968, p. 225, fig. 3, A & 4, A  
--, Heptner, 1971, p. 77, fig. 1, syn.: Euchaeta b.  
--, Roe, 1972a, pp. 303-  
--, (= EUCHAETA BARBATA), PARK, 1978: 259  
--, OWRE + FOYO, 1964a: 343

Paraeuchaeta barbata (Brady)

card 4

-- Tanaka 1958: 333, 334, 338-340, fig. 67a-e; Japan;

356, 361

-- YAMANAKA 1976: 161-196, SW ATLANTIC

— Bjornberg, 1981: 633, fig. 211 #7

-- HEPTNER 1987: 1187

-- BRADFORD ET AL. 1983: 20, 28, 29, 39, 129, 140,

FIGS. 11, 81; RECORD - SW PACIFIC; P. FARRANI A SYN.

PARAUCHARTA -, MAUGHLINE 1988: 732 -

PARAUCHARTA -, BANSTEDT 1986: 20 -

Paraeuchaeta barbata (Brady, 1883)

card 5

-- Sargent & Henderson 1986: 67-

-- Soldevilla, et al. 1988: 58 Canary Islands

E.- Ferrari & Dojiri, 1987: 459 Southern Ocean Atlantic

E.-, COPLEY ET AL. 1989: 12-, NW ATLANTIC

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

E.-, SUÁREZ 1992: 137-, GULF OF MEXICO

P.-, RAZOUK 1994: 87-, Pl. 37, ANTARCTIC; 12

P.-, PARK 1995: 37-, FIG. 23, SYNONYMY, DESCRIPTION,

DISTRIBUTION; syn. E. PORRECTA, E. FARRANI

Paraeuchaeta barbata (Brady, 1883)

card 6

Euchaeta porrecta, G.O. Sars 1905: 16, n.sp.

E. BARBATA, MAUCHLINE 1992: 131, -140, FIG. 1, NE  
ATLANTIC; SYN. E. FARRANI WITH, NEW SYN.

= PARAEUCHAETA BARBATA Euchaetidae - Calanoida

Euchaeta garrani With, ♀. ①

- With, 1915: 172-174, pl. 6, fig. 6a, t. fig. 48a-d
- norvegica (pars) Sars, 1900, p. 234: pl. 19.
- barbata Sars, 1903, p. 41: pl. 28.
- — (pars) Wolfenden, 1904, p. 135.
- — Damas & Koefoed, 1907, p. 409.

Habitat. N. Atlantic.

Not — *barbata* Brady, 1883, p. 66: pl. 22, figs. 6-12.

Not — — Giesbrecht, 1892, p. 246.

Not — — Th. Scott, 1894, p. 58: pl. 6, fig. 17.

Not — — Giesbrecht & Schmeil, 1898, p. 40

Not — — Pearson, 1906, p. 17: Sars, 1907, p. 3.

Not *Pareuchaeta* — A. Scott, 1909, p. 70: pl. 18, f. 1-8.

Not — *sarsi* A. Scott, 1909, p. 75: pl. 21, figs. 9-15.

*Euchaeta barbata* v. Breemen, 1908, p. 54.

— *farrani* With, 1915, p. 172: pl. 6, f. 6, a: text-f. 48, a-d.

*Pareuchaeta* — Farran, 1929, p. 240.

E. —; Vervoort, 1957, p. 83 (fig. 69).

= PARAEUCHAETA BARBATA Euchaetidae - Calanoida

Pareuchaeta farrani (With) ♀

⑦

Euchaeta barbata, Sars, 1903, p. 41: pl. 28.

—— farrani With, 1915, p. 172: pl. 6, fig. 6: t-fig. 48.

Pareuchaeta — Jespersen, 1934, p. 79: table 16. - 1940,  
p. 32-33. Iceland.

Habitat. Greenland -

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

-- (= EUCHAETA FARRANT), PARK, 1978

= PARAEUCHAETA BARBATA  
Paraeuchaeta farrani (With)

card 3

-- Yamanaka 1976: 161-196, sw Atlantic

-- BRADFORD ET AL. 1983: 23, 28, 39; SYN. OF

P. BARBATA

E. -, WARD, P. 1986: 637, SOUTH GEORGIA

-- RAZOULS 1994: 87, 12

= PARAEUCHAETA BARBATA

EUCHAETA FARRANI

4

--, PARK, 1978: 94, 202, 204, 259, 261, 263-264 ♀♂;

FIGS. 105 A-G, 106, 107; SYN: PARAEUCHAETA F.

E. BARBATA, SARS, 1902; PARAEUCHAETA

BARBATA, WILSON, 1932

PARAFUCHARTA BARBATA TYPICA MAUHLINE, 1992

E. - MAUHLINE, 1992: 139, n.sp.

PARAEUCHAETA

BICONVEXA - see

P. TUMIDULA

<sup>a</sup>  
Parveuchaeta biloba Farran, ♀, ♂.

— — Farran, 1929, p. 242: text-fig. 11, a-j.

-- (= EUCHAETA BILOBA), PARK, 1978: 217

-- YAMANAKA 1976: 161-196, SW ATLANTIC

— Björnberg, 1981: 633, fig. 211 #6

Habitat. Antarctic.

-- BRADFORD ET AL. 1983: 13-17, FIGS. 3, 4 -  
NEW ZEALAND; 20

PARA-

Euchaeta biloba (Farran, 1929)

E. ---; Vervoort, 1957, p. 79-82, figs. 60-68.

E. --- Bradford, 1970 p. 347

E. ---, Bradford, 1972, p. 40, fig. 8.9-8.13

E. ---, PARK, 1978: 94, 202, 203, 204, 217-220 ♀♂; FIGS. 74-76;  
SYN: PARAEUCHAETA B.

E. ---, ARCOS, 1976: 93, 99; FIG. 10; TAB. II

E. --- De Decker, 1984: 316

P. ---, BRADFORD ET AL. 1983: 13, 14, 15, 16, 17, 20, 29, 129,  
140, 141, FIGS. 3, 4, 81; RECORDS - SW PACIFIC

E. ---, 1986: 637, SOUTH GEORGIA

E. - Ferrari & Dojiri, 1987: 459 S. ocean Atlantic sector

E. -, P. WARD 1989: 144-, S. GEORGIA, ANTARCTIC

P. -, RAZOULS 1994: 89-, Pl. 38, ANTARCTIC; SYNONYMY; 12

P. -, PARK 1995: 80-, FIG. 77, DESCRIPTION, DISTRIBUTION

PARACHAETA BIROSTRATA (BRODSKY) ①

— —, 1950, BRODSKY, P. 213. Fig: 127. USSR

-- p- Tanaka and Omori, 1967, pp. 239-260.

--- --, Tanaka & Omori, 1968, pp. 228-230, figs. 3-c,  
4-d 6 a-h

--- --, Heptner 1968 p. 680

--, Heptner, 1971, p. 79, fig. 2

--, Furuhashi, 1966: 298, 303

--, ZVEREVA, 1976: 721 FIG. 3

--, MOTODA & MINODA, 1974: 232

Paraeuchaeta birostrata Brodsky 1950

card 2

-- Tanaka 1958: 359-361, figs. 77a-i, ♀♂ - Japan.

-- YAMANAKA 1976: 161-196, SW ATLANTIC

EUCHAETA -, MORRIS 1970: 2300

-- BRADFORD ET AL. 1983: 20

PAREU.-MAUCHLINE 1988: 732

PAREUCHAETA -, BANSTEDT 1986: 11-

P.-, RAZOUKS 1994: 12

P.-, PARK 1995: 55-, FIG. 48, DESCRIPTION, DISTRIBUTION

PAREUCHAETA -, ZVEREVA 1976: 70-72, FIG. 3

Euchaeta bisinuata G.O. Sars, ♂ ♀.

— — Sars, 1907, p. 12.

— — Farran, 1908, p. 45: pl. 3, f. 17-19; pl. 4, f. 4.

— — A. Scott, 1909, p. 70; pl. 16, figs. 10-17.

E-e — Witt, 1915, p. 183: <sup>185</sup>pl. 6, f. 11, a-e: text f. 54, a-j.

— —; Park, 1970, p. 476

Habitat. No. & Mid Atlantic.

—, OURE-FOYO, 1970: TAB. 3

—, Grice & Hulsemann, 1968: pl. 2

— Deevy & Brooks, 1977: 263

--Park, 1975, pp.3,4,9,10, fig. 8.

--, PARK, 1978: 203, 204, 244-246<sup>♀</sup>; FIG. 94; 54N.

PARAEUCHAETA B., TANAKA & O. MORI, 1968

Euchaetidae - Calanoida.

Paraevchaeta bisinuata (G.O. Sars). ♀

Euchaeta b - Sars, 1905, a, p. 12

— — Farran, 1908, p. 45: pl. 3, f. 17-19: pl. 4, fig. 4.

Paraevchaeta b - A. Scott, 1909, p. 70: pl. 16, figs. 10-17.

— — Sars, 1925, p. 123: pl. 33, f. 16-22.

Habitat. Malay Archipelago: Atlantic:  
Pacific

- — Rose, 1929, p. 25.
- — Sewell 1929, p. 158, Indian O.
- —, SEWELL, 1947, P. 125
- —, JESPERSEN, 1934, P. 82, DAVIS STR. W. GREENLAND WATERS.
- —, Tanaka & Omori, 1968, pp. 230-231, figs. 3-d,  
4-c = EUCHAETA BISINUATA (PARK, 1978: 244)
- , Vives, 1972, p. 212.
- , OWRE & FOYO, 1964: 343
- TANAKA 1958: 333, 334, 343-344, FIG. 69a-e; JAPAN
- YAMANAKA 1976: 161-196, SW ATLANTIC.

Paraeuchaeta bisinuata (G. O. Sars) 1907

card 3

-- Bradford et al. 1983: 20, 31, 32, 129, 140; Figs. 13, 82;

RECORDS: - SW PACIFIC

PAREUCHAETA -, MAUCHLINE 1988: 732

Pareuchaeta - Soldevilla, et al. : 58 Canary Islands

EUCHAETA -, CUMMINGS 1982: 35, GULF OF MEXICO

E. -, SUAREZ, F. & GASCA 1989a: 198, YUCATAN CHANNEL

E. -, COPLEY ET AL. 1989: 12, NW ATLANTIC

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

E. -, SUAREZ, F. 1992: 137, GULF OF MEXICO

Paraeuchaeta bisinuata (G. O. Sars, 1907)

card 4

Euchaeta -, Suarez & Gasca 1991: 596-, Gulf of Mexico

P.-, PARK 1995: 91-, FIGS. 86, 87, DESCRIPTION, DISTRIBUTION

SYNONYMY

Euchaeta bradyi Witt, ♀

Euchaete - Witt, 1915, p. 182: <sup>183</sup> pl. 6, fig. 9, a:  
text-fig. 53, a-b.

Pareuchaeta - Sars, 1925, p. 118: pl. 32, f. 12-14.

Habitat. No. Atlantici.

<sup>a</sup>  
Pareuchaeta bradyi (With) ♀

Euchaetidae - Sars  
CARD 2

Euchaete With, 1915, p. 182: pl. 6, fig. 9a:  
text-fig. 53, 2-b.

Pareuchaeta Sars, 1925, p. 118; pl. 32, f. 12-14.

Habitat. -- No. Atlantic.

-- BRADFORD ET AL. 1983: 20

PAREUCHAETA -, MAUGHLINE 1988: 732

P. -, PARK 1995: 9-

PAREUCHAETA

BREVIROSTRIS (BRODSKY) 195

— —, BRODSKY, 1950, P. 215, FIG. 129, USSR

--, HEPTNER, 1971, p. 92, fig. 9, p. 110

-- MINODA, 1972, p. 327.

--, MOTODA + MINODA, 1974: 215, 232

-- HEPTNER 1987: 1181

-- BRADFORD ET AL. 1983: 20

-- PARK 1950: 52, FIG. 44, DESCRIPTION, DISTRIBUTION -  
NEW RECORDS FROM OFF N. JAPAN, KURILE ISLANDS, VANCOUVER IS.

Paraeuchaeta bulbirostris Heptner 1987

Pareuchaeta -, Heptner 1987: 1179-1181, fig. 2, n. sp.

♀ only, Kurile-Kamchatka Trench; ~~EUCHAETIDAE~~

INCERTAE SEDIS, HEPTNER 1971

-- PARK 1995: 11--

Euchaeta californica Esterly, ♀. ①  
Calanoida.

— Esterly, 1906, p. 60: pl. 9, f. 11; pl. 10, f. 26, 34  
—, Brodsky, 1950, p. 211, fig. 124, USSR  
—, Park, 1978: 250, 253

—, Park, T., 1977, p. 135-138, fig. 1

—, Gardner & Szabo, 1982, p. 26, 260-261, fig. 15.1.1  
Habitat. Pacific near California,

—, Park, 1977, p. 135-138, fig. 1

Euchaetidae - California

\* PARA-

Euchaeta californica Esterly, ♀, ①

--- Esterly, 1906, p. 60: pl. 9, f. 11; pl. 10, f. 26, 34

---, Brodsky, 1950, p. 211, fig. 124, USSR

---, Park, 1978: 250, 253

---, Park, T., 1977, p. 135-138, fig. 1

---, Gardner & Szabo, 1982, p. 26, 260-261, fig. 15.1.1

Habitat. Pacific near California.

---, Park, 1977, p. 135-138, fig. 1

Euchaetidae - Calanoida

Paraeuchaeta californica (Esterly) (2)

Euchaeta c - Esterly, 1906, p. 60: pls. 9 & 10.

Paraeuchaeta c - A. Scott, 1909, p. 71: pl. 15, figs. 1-8.

----- Sewell 1929, p. 158, Indian O. ♀

---, Brodsky, 1950, p. 211, fig. 124, USSR

---, Tanaka & Omori, 1968, pp. 231-232, figs. 3-e,

Habitat, California Coast: <sup>4-e, 7a-c</sup> ~~Malay Archipelago~~

-- PARK 1995: 54, FIG 47, DESCRIPTION, DISTRIBUTION,

NO RECORDS OUTSIDE TYPE LOCALITY ARE

REFERABLE TO THIS SPECIES.

- , Heptner, 1971, p. 81
- , MOTODA + MINODA, 1974: 232
- TANAKA 1958: 333, 334, 360-361
- YAMANAKA 1976: 161-196, SW ATLANTIC
- BRADFORD ET AL. 1983: 20; SYN. EUCHAETA  
DUBIA ESTERLY, 1966; 23, 54
- RAZOUKS 1994: 12

Euchaetidae - California  
Euchaeta dubia Esterly, ♂

= P. CALIFORNICA

--- Esterly, 1906, p. 63; pl. 9, fig. 7; pl. 11  
fig. 36:

--, PARK, 1978: 272

--, Park, 1977, p. 135-138

Habitat. Pacific, near California.

--, Grice & Hulsemann, 1968: 329

1987: 20. SYN. OF PARAEUCHAETA CALIFORNICA

\* PARA-

Euchaetidae - Calanoida.

Euchaeta californica Esterly, ♀, ①

— Esterly, 1906, p. 60: pl. 9, f. 11; pl. 10, f. 26, 34,

—, Brodsky, 1950, p. 211, fig. 124, USSR

—, Park, 1978: 250, 253

—, Park, T., 1977, p. 135-138, fig. 1

—, Gardner & Szabo, 1982, p. 26, 260-261, fig. 15.1.1

Habitat. Pacific near California,

—, Park, 1977, p. 135-138, fig. 1

Euchaetidae - Calanoida

Paraeuchaeta californica (Esterly) (2)

Euchaeta c - Esterly, 1906, p. 60: pls. 9 & 10.

Paraeuchaeta c - A. Scott, 1909, p. 71: pl. 15, figs. 1-8.

\_\_\_\_ Sewell 1929, p. 158, Indian O. ♀

\_\_\_\_, Brodsky, 1950, p. 211, fig. 124, USSR

\_\_\_\_, Tanaka & Omori, 1968, pp. 231-232, figs. 3-e,

Habitat. California Coast: <sup>4-e, 7a-c</sup> ~~Malay Archipelago~~

-- PARK 1995: 54, FIG 47, DESCRIPTION, DISTRIBUTION,

NO RECORDS OUTSIDE TYPE LOCALITY ARE

REFERABLE TO THIS SPECIES.

- , Heptner, 1971, p. 81
- , MOTODA + MINODA, 1974: 232
- TANAKA 1958: 333, 334, 360-361
- YAMANAKA 1976: 161-196, SW ATLANTIC
- BRADFORD ET AL. 1983: 20; SYN. EUCHAETA  
DUBIA ESTERLY, 1966; 23, 54
- RAZOULS 1994: 12

Euchaetidae - Calanoidae,

Euchaeta dubia Esterly, ♂,

= P. CALIFORNICA

--- Esterly, 1906, p. 63; pl. 9, f. 7; pl. 11  
fig. 36!

---, PARK, 1978: 272

---, Park, 1977, p. 135-138

Habitat: Pacific, near California.

---, Grice & Hulsemann, 1968: 329

--- BRADFORD ET AL. 1983: 20, SYN. OF PARAEUCHAETA CALIFORNICA

Paraeuchaeta calva Tanaka 1958

-- Tanaka 1958: 334, 347-348, figs. 71a-f, n. sp. ♀, Japan

Euchaeta -, Park 1975: 2,4,5, 10-12, fig. 9

Euchaeta -, Park 1977: 135

-- Bradford et al. 1983: 20, give synonymy; 57

P. -, RAZOUK 1994: 12

P. -, PARK 1995: 49-, FIG. 39, SYNONYMY, DESCRIPTION,  
DISTRIBUTION; SYNS. P. COMOSA TANAKA (♂),  
P. POLITA & P. SIMULANTIS TANAKA & OMORI

<sup>a</sup>  
= P. CALVA

Pareuchaeta polita Tanaka & Omori

-- -- Tanaka & Omori, 1968m pp. 246-247, figs. 3-0,  
4-0, 15 a0d

-- YAMANAKA 1976: 161-196, SW ATLANTIC

EUCHAETA -, PARK 1978: 250, 256

P. -, BRADFORD ET AL. 1983: 23, 54, 57

= P. CALVA <sup>a</sup>

Pareuchaeta simulantis Tanaka & Omori

-- --, Tanaka & Omori, 1968, pp. 253-254, figs. 3-w,  
4-w, 19 a-f

EUCHAETA SIMULTANIS, PARK 1978: 250, 253

P.-, BRADFORD ET AL. 1983: 23, 54

PARA-  
Euchaeta comosa (Tanaka, 1958)

①

E. - Park, 1975, pp. 2, 4, 5, 12-13, fig. 10.

E. -, PARK, 1978: 202, 204, 249, 256, 268-272 ♀♂; FIGS. 111-112;  
SYN: E. REGALIS ♂, GRICE & HULSEMAN, 1968; PARAEUCHAETA  
COMOSA ♀; P. DUBIA ♀, TANAKA & OMORI, 1968; P.  
HANSENII ♂, TANAKA, 1958

E. -, Park, 1977, p. 135

Paraeuchaeta comosa Tanaka 1958

2

-- Tanaka 1958: 334, 363-365, figs. 79a-j, n.sp. ♀♂, Japan

-- Furuhashi 1961: 8.

-- Park 1978: = Euchaeta comosa.

-- BRADFORD ET AL. 1983: 20, GIVE SYNONYMY; 33,  
34, 129, 140, FIGS. 14, 82; RECORDS - SW PACIFIC

PARAUCHAETA -, MAUCHLINE 1988: 732

P. -, RAZOUKS 1994: 12

P. -, PARK 1995: 49, ♂ = P. CALVA; 56, FIG. 50,  
DESCRIPTION OF ♀ + ♂; SYNONYMY

PARAUCHAETA CONCINNA - see EUCHAETA

Euchaeta concinna f. consimilis (Farran) comb. nov.

Chen & Zhang 1965

--- Chen & Zhang 1965: 130-131, E. consimilis Farran  
is a form of E. concinna. Pl. 14, figs. 9-11,  
Pl. 15, figs. 1-10. China.

Paraeuchaeta confusa Tanaka 1958

①

-- Tanaka 1958: 334, 344-347, n. sp. figs. 70a-i, ♀♂ -  
Japan.

-- Furuhashi 1961: 8.

-- Tanaka & Omori 1968: 232-234, figs. 3f, 4f, 8a-f.

-- Heptner 1971: 81, fig. 3.

-- YAMANAKA 1976: 161-196, SW ATLANTIC

EUCHAETA -, PARK 1975: 2-4, 13, FIG 11

-- BRADFORD ET AL. 1983: 20, 58

-- MAUGHLINE 1988: 732

Paraeuchaeta confusa Tanaka, 1958

card 2

-- Razouls 1994: 12

-- PARK 1995: 567, FIG. 49, DESCRIPTION, DISTRIBUTION

Euchaeta consimilis Farran ♀

①

— — Farran, 1936, p. 90: fig. 6, a-c.

— —, SEWELL, 1947, p. 116;

-- --, Saraswathy, 1967, p. 77

--, Rose, 1955, p. 391

--, Rose, 1956, p. 460

--, Fleminger, 1957, p. 359

Habitat. Great Barrier Reef.

-- TANAKA 1958: 327

EUCHAETA CONSIMILIS FARRAN, 1936

(2)

= EUCHAETA CONCINNA, (GREENWOOD, 1977: 55)

-- CHEN & ZHANG 1965: 130-131, CONSIMILIS CONSIDERED  
A FORM OF E. CONCINNA DANA. PL. 14, FIGS. 9-11,  
PL. 15, FIGS. 1-10 - CHINA.

P. -, BRADFORD ET AL. 1983: 20, = P. CONCINNA (DANA)

Paraeuchaeta consimilis (Farran ) - synonym of  
P. concinna (Dana)

-- Bradford et al. 1983:20

Paraeuchaeta copleyae Park, 1995

-- Park 1995: 39-, Fig. 26-, n.sp. female + male,  
Guaymas Basin, Gulf of California

Paraeuchaeta crassa Tanaka - see P. rubra Brodsky

PARA

EUCHAETA DACTYLIFERA (PARK, 1978)

E. - PARK, 1978 : 202, 203, 240 ♀ FIG. 91

PARAEUCHAETA -, BRADFORD ET AL. 1983: 20; 35.  
36, 131, 140, FIGS. 16, 83

P. -, RAZOULS 1994: 12

P. -, PARK 1995: 70 - FIG. 67, DESCRIPTION, DISTRIBUTION;  
NEW RECORDS - S. PACIFIC, TASMAN SEA, SE ATLANTIC

Paraeuchaeta daitomarui (Mori)

-- Tanaka 1958: 334, a synonym of P. russelli Farran.

Habitat. Malay Archipelago.

Euchaeta diegensis Esterly, ♀.

- — Esterly, 1911<sup>1/2</sup>, p 323: pl. 28, f. 37:  
pl. 29, f. 49, 55: pl. 31, f. 92.  
— —, Brodsky, 1950, p. 202, FIG. 118. USSR

PARAEUCHAETA —, BRADFORD ET AL. 1983: 20

Habitat. California Coast.

PARVUCHAETA DUBIA (ESTERLY 1906)

-- --, BRODSKY, 1950, P. 221, fig. 136. USSR.

-- -- Tanaka and Omori, 1967, pp. 239-260.

-- --, Tanaka & Omori, 1968, p. 234, figs. 3-g = <sup>♀ EUCHAETA</sup> COMOSA,  
4-g (PARK, 1978)

-- TANAKA 1958: 365

-- YAMANAKA 1976: 161-196, SW ATLANTIC

-- BRADFORD ET AL. 1983: 33

-- RAZOULS 1994: 12

Euchaeta elongata Esterly

— Esterly, 1913, p. 182: pl. 10, f. 5, 16, 27; pl. 11,  
f. 37; pl. 12, f. 49

--, Morris, 1970, pp. 2300 & 2302.

--, DAGG & LITTLEPAGE, 1972: 162-163, 165, 167-168,  
Habitat, California Coast, 169

--, JAWED, 1973: 4

Euchaeta elongata Esterly

card 2

--, Morioka, Y., 1975, p. 41 (synonym for Pareuchaeta elongata)

--, Gardner & Szabo, 1982, p. 26, 262-263, fig. 15.1.2

- Yen, 1985: 577-597

-- YEN 1982: 105-117, FEEDING

-- YEN 1983: 69-77, FEEDING

-- COONEY 1971: 101-, PUGET SOUND

<sup>a</sup>  
Pareuchaeta elongata (Esterly)

3

- --, Furuhashi, 1961. p. 10
- --, Tanaka & Omori, 1968, pp. 234-235, figs. 3-h,  
4-h, 9-a, b
- --, Heptner 1968 p. 680
- --, Hue, 1967, p. 15.
- --, Furuhashi, 1966: 303, 305, 306, 312, 318
- --, Furuhashi, 1961: 75
- --, ZVEREVA, 1976: 70, 715 FIG. 1
- --, JAWED, 1973: 3, 4, 7-104
- PAREUCHAETA --, MAUCHLINE 1988: 732

<sup>a</sup>  
Pareuchaeta elongata Esterly, 1913

--, Heptner, 1971, p. 110, fig. 18, syn.: Euchaeta japonica.

--, Furuhashi, 1966: 306

--, Morioka, Y., 1975, p. 41, figs. 1-12

--, MOTODA + MINODA, 1974: 232 (= P. JAPONICA)

-- TANAKA 1958: 334, ~~A SYN~~ E. JAPONICA MARUKAWA  
IS A SYNONYM; 355-357, FIG. 75a-c, ♀♂- JAPAN.

-- KOGA 1984b: 137, 185-186

-- BRADFORD ET AL. 1983: 18; SYN. E. JAPONICA; 20.

Paraeuchaeta elongata (Esterly, 1913)

Euchaeta -, Bamstedt 1986: 25-

E. -, FONTAINE 1988: 31-

Euchaeta -, Bailey & Yen, 1983: 71- Puget Sound

Euchaeta -, Ohman, et al., 1983-1405-6 Dabob Bay, WA

E. -, GREENE, C. H. 1988: 296-, FIG. 2B

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

E. -, GREENE, C.H. & LANDRY 1985: 1408-1416, FIG. 6,

DABOB BAY + PUGET SOUND, WASHINGTON

E. -, OHMAN 1986: 683; DABOB BAY, WASHINGTON

Paraeuchaeta elongata (Esterly, 1913)

card 6

Euchaeta -, Ohman 1988b:538-

E. -, OHMAN 1990: 257-, DABOB BAY, WASHINGTON STATE

E. -, OHMAN ET AL. 1989: 1322-

P. -, PARK 1995: 84-, FIGS. 80, 81, DESCRIPTION, DISTRIBUTION

(NEW RECORDS - N. PACIFIC, SEA OF JAPAN); SYNONYMS

EUCHAETA JAPONICA

PARAUCHAETA -, ZVEREVA 1976: 70-71, FIG. 1

Euchaeta japonica Marukawa, ♀.

— — Marukawa, 1921, p. 11: pls. 1-3.

— — Campbell, 1929, p. 313, pl. 1, fig. 1, Vancouver Is. region, B. C. Mature ♂

— — Campbell 1934, p. 32, figs. 10-18. Life history study

Habitat, Northern Japan -

-- --, Anraku, 1954, pp. 124-136.. Aleutian Is.

— —, MORI, 1937, pp. 47, JAPAN

— —, BROOSKY, 1950, P. 209, fig 123, USSR

(over)

Pareuchaeta japonica: Vaupel-Klein, 1970, p.17.

--, Chiba, 1956, p. 21

--, Fulton, 1968, p. 38, fig. 3, some refs. of  
Paraeuchaeta j. are syns.

--, Omori, 1973, p.6.

--, Taw, 1974, p. 270.

--, <sup>ITOH</sup>~~KATSUHIKO~~, 1970: TAB. 2

= P. ELONGATA

Euchaeta japonica MARUKAWA

card 2

--, Morioka, Y., 1975, p. 41

--, Lewis, A., P. Whitfield, & A. Ramnarine, 1972, p. 215,  
fig. 1, tbls. 1-3

--, Lewis, A., P. Whitfield, & A. Ramnarine, 1973, p. 324

--, Lee, Nevenzel, & Lewis, 1974, p. 891-898.

--, Smol & Heip, 1974, p. 162

-- UYF 1984a: 45

-- KOGA 1960a: 793, 794

-- KOGA 1984a: 103

= P. ELONGATA

Euchaeta japonica Marukawa

card 3

-- Koga 1984b: 138

-- IZAWA 1987: 175-, AS E. JAPONICUS

-- SARGENT & HENDERSON 1986: 61-

-- SARGENT & FALK-PETERSEN 1988: 102-

-- FERRARI 1993b: 767, TAB. 2

PARA-

EUCHAETA ELTANINAE PARK, 1978

F.- PARK, 1978 : 202, 204, 278, 280-283 ♀ ♂ FIG. 118-120

PARAEUCHAETA-, BRADFORD ET AL. 1983: 23, 36, 37, 57, 58,  
131, 140, FIGS. 17, 83

P.-, RAZOUK 1994: 12

P.-, PARK 1995: 39-, FIG. 25, DESCRIPTION,  
DISTRIBUTION

<sup>a</sup>  
↓  
Pareuchaeta eminens Tanaka & Omori

P. -- Tanaka & Omori, 1968, pp. 235-237, figs. 3-i,  
4-i, 10-a-f

--, (= EUCHAETA E.), PARK, 1978: 268, 203, 204, FIG. 110

P. --, BRADFORD ET AL. 1983: 23, 38, 131, 140, FIGS.

18, 83

P. --, PARK 1995: 59, FIG. 52, DESCRIPTION, DISTRIBUTION

Euchaetidae - Calanoida

<sup>a</sup>  
Pareuchaeta erebi Farran ♀

— — Farran, 1929, p. 239: text-fig. 9, a-f.

--, FIGUEIRA 1971: 147.

---, Bradford, 1981, passim, p. 400, fig. 1B, 2, 4A, B, 6.

-- BRADFORD ET AL. 1983: 23

Habitat. Antarctic.

EUCHAETA -, PARK 1978: 94, 202, 203, 228-229, 231.

PARAEUCHARTA EREBI FARRAN, 1929

CARD 2

R. -, FONTAINE 1988: 27-, FIGS. 11-13, ANTARCTIC;

MEMBER OF "ANTARCTICA SPECIES-GROUP"

P. -, SHIH ET AL. 1971: 147, CANADA-PACIFIC

P. -, RAZOULS 1994: 91-, PL. 39, ANTARCTIC; 12

A. -, PARK 1995: 90-, DISCUSSION, DISTRIBUTION, SYNONYMY

Paraeuchaeta euryrhina Park, 1995

-- Park 1995: 50-, Fig. 41, n.sp. female only, Banda Sea,  
Malay Archipelago

Euchaetidae - Calanoida

PARA. -

Euchaeta exigua Wolfenden, ♀, 1911

E. — Wolfenden, 1911, p. 300: fig. 52, a-d, text.

E. —; Vervoort, 1957, p. 82-83, fig. 68.

E. —; Bradford, 1970, p. 346.

E. ?; Bradford, 1973, p. 40, fig. 8.14-8.16

Habitat. Southern Atlantic.

PARAEUCHAETA —, BRADFORD ET AL. 1983: 23, 39, 40, 131,  
140, 141, FIGS. 19, 84; RECORDS SW PACIFIC

PARA. -

Euchaeta exigua

card 2

E. - Nakamura et al. 1982: 28-30 fig 2 tab 1 Antarctic  
(Indian O. Sector)

E. - RAZOUKS 1994: 93-, PL. 40, ANTARCTIC; 12

P. -, PARK 1995: 77, FIG. 74, DESCRIPTION,  
DISTRIBUTION, NEW RECORDS

PARAEUCHAETA FARRANI - see P. BARBATA

Euchaetidae - Calanoida.

Euchaeta flava Giesbrecht, ♀.

- — Giesbrecht, 1888, p. 337. [pl. 16, fig. 45  
— — Giesbrecht, 1892, p. 246: pl. 37, fig. 43, 44:  
— — Giesbrecht & Schmeil, 1898, p. 40,  
— — , Chiba, 1953, pp. 616, fig. 3, ...  
— — , Mori, 1937, p. 47, JAPAN.

Habitat. Tropical Pacific

— — , Chiba, Tsuruta, & Maeda, 1955. Bikini.

\* E. flava, Honjo et al., 1957. pp. 120-128

- -, Chiba, 1956, fig. 3

-- KOGA 1960a: 797, E. FLAVA OF MORI 1936

= PARREUCHAETA RUSSELLI

Paraeuchaeta flava (Giesbrecht, 1888)

-- Tanaka 1958: 334, not = P. flava Mori

-- BRADFORD ET AL. 1983: 23

E-, SUAREZ, E. & GASCA 1989a: 198; YUCATAN CHANNEL

P-, PARK 1995: 7-

Euchaetidae - Calanoida -

<sup>a</sup>  
Pareuchaeta flava Mori ♂♀.

— — Mori, 1933, p. 174: pl. 1, figs. 1-9

— — Mori, 1937, p. 47,

--, Furuhashi, 1961: 106

-- TANAKA 1958: 334, not = P. FLAVA GIESBRECHT

Habitat Southern coast of Japan.

Euchaetidae

Euchaeta glacialis H.J. Hansen, ♂.♀.

- — Hansen, 1886, p. 74: pl. 23, f. 5-5k: pl. 24, f. 1-1d.
- norvegica (pars) Sars, 1900, p. 58: pl. 14.
- " " " Mrázek, 1902, p. 515.
- glacialis Sars, 1901, p. 40: pl. 27.

Habitat, Polar Seas: N. Atlantic.

- — Wolfenden, 1904, p. 134: figs. 1, 2, 7.  
— — Th. Scott, 1905, p. 222; Stephensen, 1913, p. 319.  
— — Damas & Koefoed, 1907, p. 408.  
— — v. Breemen, 1908, p. 54: fig. 60.  
— — Witt, 1915, p. 169: <sup>172</sup>pl. 6, f. 5, a-d; text f. 47, a-n.  
— — Jaschnov, 1927, p. 19. Kara Sea  
Par — —, Fontaine, 1955, p. 880. Ungava Bay, Canada.  
Par — —, Brodsky, 1950, p. 207, fig. 120, USSR  
— —, Störmer, 1929, p. 32

Euchaeta glacialis

card 2

--, Shih & Laubitz, 1978, p. 48

Euchaetidae - Calanoida.

<sup>a</sup>  
Pareuchaeta glacialis (H. I. Hansen) f.

CARD 3

Euchaeta — Hansen, 1886, p. 74: pl. 23, fig. 5: pl. 24, fig. 1.

— — Sars, 1903, p. 40: pl. 27.

Pareuchaeta — Jespersen, 1934, p. 75, figs. 19-20.

— —, Brodsky, 1950, p. 207, fig. 120. ossie

— —, Jørgensen, 1940, p. 30-31. Iceland.

Habitat. Arctic Seas.

— —, Cairns, 1967, p. 559

— —, TASHNOV, 1972: 280

— —, DAMKAER, 1975: 11

P. glacialis, Grice, 1962. p. 101

-- --, Johnson, 1963. pp. 92, 93, 97, 99

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

--, Maclellan, 1967, p. 102

--, DIGBY, 1954: 322-323

-- BRADFORD ET AL. 1983: 23

PARUCHAETA -, MAUCHLINE 1988: 732

-- SARGENT & HENDERSON 1986: 67-

-- GROENDAHN & HERNROTH 1986: 315-, ARCTIC

Paraeuchaeta glacialis (H. I. Hansen 1886)

card 4

Pareuchaeta -, Fontaine 1955: 858-, Ungava Bay

EUCHAETA -, SHIH ET AL. 1971: 39, CANADA-ATLANTIC;  
204, ARCTIC

P. -, PARK 1995: 81-, FIG. 78, SYNONYMY, DESCRIPTION,  
DISTRIBUTION, NEW RECORDS

Paraeuchaeta gladiofera (Gaudy, 1963)

---Bradford et al. 1983: 23

Euchaetidae - Calanoida

Paraeuchaeta gracilicauda A. Scott, ♀

— — A. Scott, 1909, p. 72, pl. 18, figs. 9-16.

— — Sewell 1929, p. 160, fig. 61, Indian O.

-- TANAKA 1958: 334

EUCHAETA -, GRICET + HULSEMAN 1968: TABLE 2

EUCHAETA -, PARK 1975: 2, 3, 5, 13-16, FIG. 12

Habitat. Malay Archipelago.

EUCHAETA -, PARK 1978: 286

P.; BRADFORD ET AL. 1983: 23, 43

P. -, PARK 1995: 61, FIG. 55, DESCRIPTION, DISTRIBUTION

Euchaetidae - Catalanoida.

Euchaeta gracilis G.O. Sars, ♀ ①

— — Sars, 1905, p. 16

— — With, 1915, p. 185-187, fig. 55

Pareuchaeta - Sars, 1925, p. 120: pl. 33, f. 1-8.

-- Park, 1975, pp. 3, 4, 16, 17, fig. 13

--, GRICE 1969: 454

Habitat. Station 1549, 1639, 1849, 1856,  
Monaco: North Atlantic.

-- OPPERFORD 1970: TAB. 3

--, BINET & DESSIER, 1971: 429, 453

--, CALEF & GRICE (UNPUBL.) IN KETCHUM & RYHER,  
1966 (UNPUBL.): APPENDIX

Euchaetidae - Calanocida

<sup>a</sup>  
Pareuchaeta gracilis G.O. Sars, ♀, ♂. (2)

Euchaeta — Sars, 1905, p. 16.

Euchaete, With, 1915, p. 185.

— quadrata, Farran, 1909, p. 43: pl. 3, f. 20-21.

Pareuchaeta g — Sars, 1925, p. 120: pl. 33, f. 1-8.

— —, JESPERSEN, 1934, p. 81-82, S. DAVIS STR. W. GREENLAND WATERS.

Habitat North Atlantic

--, Roe, 1972a, pp. 295-

— Marques, 1958: 210-211, fig 19-C

--, WHEELER, 1970: TAB. 4

--, Vives, 1972, p. 212.

P. -, BRADFORD ET AL. 1983: 23, = EUCHAETA  
QUADRATA FARRAN, 1908

PARAEUCHAETA -, MAUCHLINE 1988: 732

-- LE BORGNE 1986: 133

P. -, PARK 1995: 78, FIG. 75, DESCRIPTION,  
DISTRIBUTION, NEW RECORDS - SOUTH & NORTH ATLANTIC;  
SYN. EUCHAETA QUADRATA FARRAN

E. QUADRATA, FARRAN:

E.G., WOLFENDEN 1911: 297, PL. 35 FIG. 1, TEXT-FIG.  
49a-c

Euchaetidae - Calanoidae  
Euchaeta grandiremis Giesbrecht.

- — Giesbrecht, 1888, p. 337 | pl. 16, f. 11, 42  
— — Giesbrecht, 1892, p. 246: pl. 37, f. 41, 42:  
— — Giesbrecht & Schmiedl, 1898, p. 41.

Habitat. Tropical Pacific.

Pareuchaeta grandiremis (Giesbrecht)

Euchaeta —, Giesbrecht 1888, p. 337; 1892, pp. 246, 264  
pl. 16, figs. 11, 42; pl. 37, fig. 41.

Wilson 1942, p. 201

— YAMANAKA 1976: 161-196, SW ATLANTIC

— BRADFORD ET AL. 1983: 23

P., PARK 1995: 93-, FIGS. 88, 89, DESCRIPTION, SYNONYMY,  
DISTRIBUTION (NEW RECORDS - E. TROPICAL PACIFIC,  
OFF W. COASTS OF AMERICAS)

<sup>a</sup>  
↓  
Pareuchaeta guttata M. Heptner, 1971

--, n. sp., Heptner, 1971, pp. 94-6, fig. 10

-- BRADFORD ET AL. 1983:23

-- PARK 1995: 10-

<sup>a</sup>Pareuchaeta hanseni (Witt) ♀

Euchaeta Witt, 1915, p. 181: text fig. 52 a-b.

Pareuchaeta Sars, 1925, p. 115: pl. 31, figs. 15-18.

— — Rose, 1929, p. 25.

— —, Sewell, 1947, p. 121, ARABIAN SEA

— —, Jespersen, 1934, p. 30-31, WATERS - S. GREENLAND.

= EUCHAETA H.  
(PARK, 1978)

Habitat, North Atlantic & Pacific.

— —, Owre, 1962

— — Tanaka and Omori, 1967, pp. 239-260.

PAREUCHAETA HANSENI, MAUCHLINE 1988: 732

---, Tanaka & Omori, 1968, p. 237, figs. 3-j, 4-j

--, Roe, 1972a, pp. 295-

--, TANAKA, 1958 ♂ = EUCHAETA COMOSA, (PARK, 1978)

-- ~~TANAKA 1958: 333, 334-336, FIGS. 65, a-g;~~

~~SYNONYMS: EUCHAETA RUSSELLI FARRAN &~~

~~E. DAITOMARUI MORI, 1937~~

-- TANAKA 1958: 333, 334, 361-362, FIGS. 78a-k - JAPAN

- HANSENI, YAMANAKA 1976: 161-196, SW ATLANTIC

- HANSENI, BRADFORD ET AL. 1983: 23, 20, 33, 39, 41, 131,  
140, FIGS. 20, 84; RECORDS - SW PACIFIC

Euchaeta hanseni Witt, ♀.

— Witt, 1915, p. 181: <sup>182</sup>text-fig. 52, a-b.

— Paraeuchaeta — Sars, 1925, p. 115

— Park, 1975, pp. 14, 17, fig. 14

—, PARK, 1978: 202, 203, 205, 246-250 ♀♂; FIGS 95-96; SYN:

PARAEUCHAETA H. Sars 1925 + Sewell, 1947; P. WITHI, Sewell,

Habitat, N. Atlantic. 1947 + Tanaka + Omori, 1968;

EUCHAETA WITHI, Owre + Foy, 1967, E. Sarsi, With, 1915

— Grice & Hulsemann, 1968: pl. 2

— Devey & Brooks, 1977: 263

Paraeuchaeta hansenii

card 3

Pareuchaeta - Soldevilla, et al. 1988: 58 Canary Is

E. -, COPLEY ET AL. 1989: 12-, NW ATLANTIC

P. HANSENI, PARK 1995: 57-, FIG. 51, DESCRIPTION,  
SYNONYMY, DISTRIBUTION

Paraeuchaeta hastata Heptner 1987

Pareuchaeta -, Heptner 1987: 1182-1184, fig. 4, n. sp.

♀ only, Kurile-Kamchatka Trench

-- PARK 1995: 11-

Euchaeta hebes Giesbrecht, ♂. ♀.

- — Giesbrecht, 1888, p. 337.
- — Giesbrecht, 1892, p. 246: pl. 15: pl. 37, f. 15-16.
- — Th. Scott, 1894, p. 59: pl. 6, figs, 18-19.
- — Giesbrecht & Schmeil, 1898, p. 39: f. 4.
- — —, Shmeleva, 1963, p. 141.

Habitat. Atlantic: Mediterranean.

--, PARK, 1978: 202

- — Lo Bianco, 1903, p. : Sars, 1905, p. 4.  
— — Gough, 1905, p. 338: figs. 4-7, text.  
— — Norman & Scott, 1906, p. 128.  
— — v. Breemen, 1908, p. 51: fig. 57.  
— — Pesta, 1909, p. 24: Steuer, 1910, p. 24 (1028).  
— — Farran, 1911, p. 94: Pesta, 1912, p. 22.  
— — With, 1915, p. 188: <sup>189</sup>pl. 6, f. 13, a-b: text-fig. 57.  
— — Pesta, 1921, p. 512: text-f. B 23.  
— — Sars, 1925, p. 106: pl. 30, figs. 7-11.  
— — Wilson 1942, p. 185  
— —, Vilela, 1968, pp. 17-18

Euchaeta hebes

card 2

- , Brodsky, 1972, p. 256
- , Roe, 1972a, pp. 295-
- , Vives, 1972, pp. 212, 238.
- , Bjornberg, 1963: 39, *Table 17*
- , CORRAL Y ALVARES-OSSORIO, 1978: 138, 160
- , BAINBRIDGE, 1972: 69
- , BINET, y DESSIER, 1971: 429, 453
- , BINET, ET AL, 1972: 133
- , BEAUDOUIN, 1973: 125, 138-140, 167; FIG. 9, 10; T. 1
- , SCOTTO DI CARLO, ET AL, 1975: TAB. 1

Euchaeta hebes T. SCOTT

card 3

--, Shmeleva & Kovalev, 1968, p. 61, fig. 8a

--, Shmeleva & Zaika, 1973, p. 873

--, Marques, 1953: 100

--, Cannicci, 1959: passim

--, Marques, 1958: 210

-- TANAKA 1958: 333

-- WICKSTEAD 1962: 546

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

-- HuxE, 1955: 26-27

-- HuxE, 1961: 19-

— Heberer, 1932: 265, passim, fig. 41-43

-- SAZHINA 1975: 80

PARAEUCHAETA -, BRADFORD ET AL. 1983: 23

PAEUCHAETA -, MAUCHLINE 1988: 732

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

EUCHAETA -, CITARELLA 1986: 278-, MARSEILLES

E. -, FONTAINE 1988: 31-

Paraeuchaeta hebes

card 4

-- Soldevilla, et al. 1988: 58 Canary Islands

-- PARK 1995: 7-

EUCHAETA -, ROSE 1934: 54-81, OFF ALGERIA

Euchaeta hebes Giesbrecht

var. valida T. Scott ♂.

-- T. Scott, 1894, p. 60: pl. 6, fig. 20-22.

-- Rose, 1929, p. 25.

-- --, Cristafi, 1965, p. 56.

--  
--  
Habitat. Gulf of Guinea.

-- --, Hure & Scotto di Carlo, 1968, p. 50.

Paraeuchaeta implicata Heptner 1987

Pareuchaeta -, Heptner 1987: 1181-1182, fig. 3, n. sp.

♀ only, Kurile-Kamchatka Trench

-- PARK 1995:11--

Euchaetidae - Calanoida.

Euchaeta incisa G.O. Sars, ♀.

— Sars, 1905, p. 17.

Pareuchaeta — Sars, 1925, p. 117: pl. 32, f. 7-11.

— Park, 1975, pp. 1, 15, 17-19, fig. 15.

—, GRICE, 1969: 454

Habitat, Station 1749, Monaco (1 specimen).

— Devey & Brooks, 1977: 263

Euchaetidae - Calanoida

Par<sup>a</sup>evuchaeta incisa G.O. Sars, ♀, ♂.

— — Sars, 1925, p. 117: pl. 32, f. 7-11.

Wilson 1942, p. 201

--, Roe, 1972a, pp. 299-

Habitat. Temperate Atlantic.

-- BRADFORD ET AL. 1983: 23

Paraeuchaeta incisa

card 3

Pareuchaeta - Soldevilla, et al. 1988: 58 Canary Is

E. -, COPLEY ET AL. 1989: 12-, NW ATLANTIC

P. -, PARK 1995: 79-, FIG. 76, DESCRIPTION,

DISTRIBUTION; NEW RECORDS - N. ATLANTIC

*Paraeuchaeta investigatoris* Sewell

\_\_\_\_\_ Sewell 1929, p. 158, fig. 60, ♂, Indian O.

— — SEWELL, 1947, P. 125, ARABIAN SEA, ♂.

--- ---, Tanaka & Omori, 1968, pp. 237-239, figs. 3-k,  
4-k, 11-a-j

-- TANAKA 1958: 334

EUCHAETA -, PARK 1977: 135

EUCHARTA -, PARK 1978: 240

P. -, BRADFORD ET AL. 1983: 23

P. -, PARK 1995: 59, FIG. 53, DESCRIPTION, DISTRIBUTION

Pareuchaeta japonica MARUKAWA

--, Heinrich, "The life histories...", p. 18

--, Fulton, 1968, p. 38, some refs. are syns. of

Euchaeta j.

--, Vinogradov, 1960, p. 500

--, Bjornberg, 1963: 39

--, JAWED, 1973: 4

--, FIGUEIRA 1971: 147-148.

--, Morioka, Y., 1975, p. 41

--, PETERSON + MILLER, 1977: 718

--, MOTODA + MINODA, 1974: 232 (SYN. P. ELONGATA)

--, TANAKA 1958: 334: 334 (SYN. OF P. ELONGATA ESTERLY)

PARAEUCHAETA JAPONICA MARUKAWA

CARD 2

E. -, FONTAINE 1988: 31

PAR. SHIH ET AL. 1981: 147; CANADA-PACIFIC (~~LEUCIUS~~)

PAR. -, RADCHENKO ET AL. 1997: 125-126, SEA OF  
OKHOTSK

<sup>a</sup>  
Parveuchaeta kurilensis M. Heptner, 1971

n. sp., Heptner, 1971, pp. 83-5, fig. 4

~~---, Bjornberg, 1963: 39~~

-- BRADFORD ET AL. 1983: 23

-- PARK 1995: 62; FIG. 57, DESCRIPTION, DISTRIBUTION

Pareuchaeta<sup>a</sup> laudabilis Tanaka & Omori

-- -- Tanaka & Omori, 1968, pp. 239-241, figs. 3-1,  
4-1, 12-a-g

-- BRADFORD ET AL. 1983: 23, 58

PARAEUCHAETA LONGICORNIS - sor EUCHAETA

<sup>a</sup>  
Pareuchaeta longisetosa M. Heptner, 1971

n. sp., Heptner, 1971, p. 96, fig. 11, p. 107

- HEPTNER 1987: 1184
- BRADFORD ET AL. 1983: 23
- PARK 1995: 10 -

Paraeuchaeta longissima (Park, 1978)

Euchaeta -, Park 1978:202,204,205,278,283-286, n. sp.

♀♂, figs. 121,122

Paraeuchaeta -, Bradford et al. 1983:23,43,44,131,140,  
figs.22,85

P-, RAZOUK 1994:12

PARAEUCHAETA MAGNILOBA - see EUCHAETA

*Paraeuchaeta malayensis* Sewell

①

- Sewell 1929, p. 160, fig. 62, nom. nov. for  
P. barbata, A. Scott 1909, p. 79
- , Heptner, 1971, p. 79
- SEWELL, 1947, P. 121, FIG. 27, A-F.
- --, Tanaka & Omori, 1968, pp. 241-243, figs. 3-m,  
4-m, 13- a-f
- , OWRE & FOYO, 1964a: 343
- TANAKA 1958: 334, 341-342, FIG. 68a-L; synonyms  
PARAUCHAETA BARBATA, A. SCOTT, 1909; ♀.
- YAMANAKA 1976: 161-196, SW ATLANTIC.

Paraeuchaeta malayensis (Sewell, 1929)

2

Euchaeta -, Vervoort 1957:84

Euchaeta -, Park 1975:1

Euchaeta -, Sander & Moore 1978:232

P. -, Bradford et al. 1983: 23, 57

PARAUCHAETA -, MAUCHLINE 1988: 732

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

E. -, SUÁREZ, E. 1992: 137, GULF OF MEXICO

P. -, RAZOULS 1984: 12

P. -, PARK 1995: 35, FIGS. 19-22, JYNONYMY, DESCRIPTION,  
DISTRIBUTION (NEW INDO-PACIFIC RECORDS)

PARAFUCHAETA MEDIA - see FUCHAETA

~~Fuchaeta media Giesbrecht - see Parauchaeta~~

Paraeuchaeta megaloba Park, 1995

-- Parl 1995: 44-, Fig. 32, n.sp. female + male, Pacific

Paraeuchaeta mexicana Park, 1995

-- Park 1995: 44-, fig. 33, n.sp. female only; Gulf of Mexico; syn. P. aequatorialis of Park, 1975

P. aequatorialis, PARK 1975: 2, 4, 5, 8, 9, FIG. 6

PAREUCHAETA MODESTA (BRODSKY), 1950

— — BRODSKY, 1950, P. 218, fig 131, USSR

-- BRADFORD ET AL. 1983: 23

-- PARK 1995: 9-

Euchaeta norvegica Boeck, ♂.♀.

- <sup>r</sup>pestandrea Boeck, 1865, p. 12 (236);
- norvegica, n. sp. Boeck, 1872, p. 40.
- carinata, n. sp. Möbius, 1873, p. 271: pl. 7.
- norvegica G. O. Sars, 1885, p. 234: pl. 19.

Habitat. N. Atlantic; Polar Regions.  
Scotland.

- — Giesbrecht, 1892, p. 246: pls. 15, 16, 37.
- — Giesbrecht & Schmeil, 1898, p. 40: f. 5.
- — Aurivillius, 1898, p. 89: T. Scott, 1899, p. 248.
- — Sars, 1900, p. 58: pl. 14; Mrázek, 1902, p. 515.
- — Sars, 1901, p. 38: pls. 24—26.
- — Norman, 1903, p. 137; Wolfenden, 1904, p. 133.
- — Jensen, Johansen, Levinson, 1903, p. 86: pl. 2.
- — Sars, 1905, p. 5: Farran, 1905, p. 35.
- — Damas & Koefoed, 1907, pp. 396, 407.
- — Cleve - 1900, p. 140.
- — T. Scott. 1899, p. 91.

E. norvegica (2)

Euchaeta

- — Pearson, 1906, p. 16; Farran, 1908, p. 40.
- — v. Breemen, 1908, p. 52 : fig. 59.
- — Farran, 1911, p. 95; Stephensen, 1913, p. 320
- — Witt, 1915, p. 158: <sup>1106</sup>pl. 6, f. 3, a-f : text fig. 45, a-s,
- — Stephensen, 1916, p. 305.
- — Sars, 1886, p. 76 -
- — Möbius, 1887, p. 115.
- — Giesbrecht, 1889, p. 164.
- atlantica Sars, 1877, p. 363.
- norvegica Willey, 1920, p. 10K,
- — Linko, 1913, p. 22.

(see back)

- Mrázek, 1902, p. 515  
-- Cleve, 1900, p. 64.  
-- A.G. Nicholls, 1933, p. 31<sup>50</sup>; figs. 1-8.  
Par --; Fontaine, 1955, p. 879-80. Ungava Bay, Canada.  
Par --, Brodsky, 1950, p. 206, Fig. 119, USSR.  
-- Eloffson, 1971, p. 299-300, (Fig. 2-5), 303, (Fig. 8), 307,  
308, (Fig. 10),  
-- --, Apstein, 1905, p. ~~XVIII~~, ~~XX~~, ~~XXXIX~~, ~~XXXX~~,  
~~XXXXII~~, ~~XXXXIV~~, ~~XXXXVIII~~, L,  
LIV, LVI  
-- Chiba, 1956, p. 21

Euchaeta norvegica

card 3

- , Stormer, 1929, pp. 32-35
- , Pesta, 1928, pp. 20-21, fig. 14
- , Sherman, 1968, p. 6
- , Filteau & Tremblay, 1953, p. 17.
- Harding, 1974, p. 142, 148.
- , MAIN, 1962: 192
- , PARK, 1978: 201, 202
- , HOPKINS, ET AL., 1978: 631-637; FIGS. 1-5
- , FERRARI, 1978: 509, 510-520; FIG. 1-3; TAB. 1-3
- , GAULD, 1957: 510
- GAULD & RAYMONT, 1953: 458

--, GAULD, 1966: 315, 327

E. NORVEGICA

--, LACROIX & FILTEAU, 1971: 776, 807-808, 809, 811, 812;  
TAB. 16-18

--, RAYMONT & GAULD, 1951: 651, 683, 691-693;  
FIG. 2; TAB. I-III.

Euchaeta norvegica BOECK

card 4

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

--, Boxshall, 1982, p. 171

--, Blades & Youngbluth, 1979, p. 354

—, Lacroix, 1966: 52

—, Lacroix, 1961: 26

--, FERRARI, 1984: 221

--, FERRARI, 1980: 547-548

-- TANAKA 1958: 327

-- WILLIAMS 1973:

Euchaeta norvegica Boeck

- Koga 1960a: 793, 794.
- Koo-A/1984b: 103, 186, 137
- Brattelid & Matthews, 1978: 203-211
- Barnstedt, 1975: 31-46
- Barnstedt, 1979: 135-142
- Barnstedt & Skjoldal, 1976: 63-80
- Barnstedt & Holt, 1978: 225-236
- Bakke, 1977: 49-55
- Deevoy & Brooks, 1977: 264

Euchaeta norvegica Boeck

card 6

-- Mazza 1965:296

-- HERDMAN ET AL. 1910: 282

-- HERDMAN ET AL. 1913: 224, LOCH FYNE

-- RAZOULS, S. ET AL. 1986: 887

-- IZAWA 1987: 175-

~~E.~~ -, BAMSTEDT 1986: 22-

E. -, JARGENT & HENDERSON 1986: 61-, FIG. 2.3

E. -, DAHMS 1989a: 223

Euchaetidae - Calanocida

Par<sup>a</sup>euchaeta norvegica (Boeck), ♀ (7)

Euchaeta - Boeck, 1872, p. 40

Par<sup>a</sup>euchaeta - Sars, 1925, p. 111.

Par<sup>a</sup>euchaeta Wilson, 1932, p. 65: fig. 43.

— —, Brodsky, 1950, p. 206, fig. 119. USSR.

Habitat. Arctic & Atlantic Oceans: North Sea.

— —, Jespersen, 1934, p. 71-73, w. GREENLAND WATERS.

— —, " 1940, p. 28-30. Iceland.

— —, DIBBY 1954: 322-323

- — Rose, 1929, p. 25; Jespersen, 1934, p. 71: fig. 18.  
-- --, Conover, 1960. pp. 404-405  
- - CONOVER, 1968, p. 112  
-- --, Heptner 1968, p. 680  
-- , MAJCHLINE + NEMOTO, 1977: 109, 112-113, FIG. 2, 3; TAB. 1  
-- , FASCHNOV, 1972: 280  
-- , ITOH, 1970: TAB. 2  
-- , JOHNSON, 1956a: 10; TAB. 1-7  
-- , FASHAM, ET AL., 1974: TAB. 1

<sup>a</sup>  
Pareuchaeta norvegica (BOECK) card 8

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

-- --, Glover, 1967, p. 201, Fig. 6

--, Heinrich, "The life histories...", p. 18

--, Razouls, 1968, p. 157

--, Kabata, 1970, p. 130.

--, Maclellan, 1967, p. 102

--, Vives, 1972, p. 212.

--, Bjornberg, 1963: 39

-- TANAKA 1958: 367.

-- MAUCHLINE 1972/73: 27-41.

Paraeuchaeta norvegica (Boeck)

card 9

-- Wicksread 1962: 546

-- GRICE & HART 1962a: 295, W. NORTH ATLANTIC

-- GRICE & HART 1962b: TABLE 3

-- BRADFORD ET AL. 1983: 18, 20, 23

PARAUCHAETA -, MAUCHLINE 1988: 732

PARAUCHAETA -, ZELIKMAN & KAMSHILOV 1960(64):

32-, BARENTS SEA

E. -, DAVIS 1982: 728-, NEWFOUNDLAND

E. -, DAVIS 1986: 31-, "

Paraeuchaeta norvegica (Boeck)

card 10

-- Le Borgne 1986: 123-

EUCHAETA -, MAYZAUD 1986 b: 250-

E. -, CORNER ET AL. 1986: 268-

-- GROENDALH + HERNROTH 1986: 315; ARCTIC

E. -, BLADES-ECKELBARGER 1986: 26-

E. -, FRYER 1986: 151

E. -, FONTAINE 1988: 31-

E. - Ferrari & Dojiri, 1987: 473 - fig 6 S. Ocean Atlantic Sec

PARAEUCHAETA -, FONTAINE 1955: 858., UNGAVA BAY

Paraeuchaeta norvegica (Boeck)

card 11

Euchaeta -, Ferrari & Hayek 1990:114,124, Tab. 1

- E. -, CITARELLA 1989: 126, ST. LAWRENCE GULF, CANADA  
E. -, CRAWFORD & DABORN 1986: 139  
E. -, BAMSTEDT 1988: 44-57, NORWAY - BORSFJORDEN  
E. -, WILLIAMS 1988: 151-159, N. ATLANTIC  
E. -, MCLAREN & MARCOGLIESE 1983: 723  
E. -, SHIH ET AL. 1988: 322, NOVA SCOTIA  
E. -, STEPHENSEN 1917: 305, GREENLAND FJORDS  
E. -, MONTU' 1989: 42 -

Paraeuchaeta norvegica (Boeck)

Euchaeta -, Anstensrud 1989b:474

PARAUCHAETA -, GRANT 1977: 4-8, NEW JERSEY

E. -, COPLEY ET AL. 1989: 12-, NW ATLANTIC

E. -, SHIH ET AL. 1971: 39-40, CANADA - ARCTIC<sup>ATLANTIC</sup>; 204,

ARCTIC

— Wishner & Allison, 1986: 725

E. -, BOXSHALL 1992: 360-, FIG. 18 B, C

E. -, HUMES 1994b: 2-

P. -, PARK 1995: 72-, FIG. 69, DESCRIPTION, DISTRIBUTION,

PARAEUCHAETA NORVEGICA (BOECK)

EUCHAETA -, HUMES 1994:2 (= PARAEUCHAETA)

E. -, LEGARÉ + MACLELLAN 1960:434, MAINE/NEW  
BRUNSWICK, USA/CANADA

E. -, ASTTHORSON + GISLASON 1992:229, 223, TAB. 1, ICELAND

E. -, GISLASON + ASTTHORSON 1992: 219-221, TAB. 1, ICELAND

<sup>a</sup>  
Pareuchaeta oculata M. Heptner, 1971

--, n. sp., Heptner, 1971, p. 97-99, fig. 12

-- BRADFORD ET AL. 1983: 23

-- PARK 1995: 10 -

PARUCHAETA ORIENTALIS (BRODSKY), 1950

— — BRODSKY, 1950, P. 219, fig. 13a, USSR

--, Heptner, 1971, p. 99, fig. 13, p. 107

-- BRADFORD ET AL. 1983: 23

-- PARK 1950: 9 -

Paraeuchaeta papilliger Park, 1995

-- Park 1995: 47-, Fig. 36, n.sp. female + male, Pacific coast of America between 31 N and 12 S

Paraeuchaeta paraacuta (Tanaka, 1973)

-- Bradford et al. 1983: 23

Paraeuchaeta parabbreviata Park, 1995

-- Park 1995: 64-, Fig. 60, n.sp. female only, Tasman  
Sea & ne Atlantic

PARAEUCHAETA      PARACONCINNA -- see EUCHAETA

Paraeuchaeta paraprudens Park, 1995

-- Park 1995: 41-, Fig. 29, n.sp. female only, off  
California, e. tropical Pacific, nw Pacific off Japan

Paraeuchaeta parvula (Park, 1978)

Euchaeta -, Park 1978: 202, 204, 256-259, n. sp. ♀♂, figs.  
102-104

Paraeuchaeta -, Bradford et al. 1983: 23, 46, 47, 131, 140,  
figs. 24, 85

P. -, RAZOULS 1994: 12

P. -, PARK 1995: 38-, FIG. 24, DESCRIPTION,  
DISTRIBUTION

Paraeuchaeta pavlovskii Brodsky, 1955

--Brodsky 1955: 186-189, n. sp.

-- Tanaka & Omori 1967:239-260

-- Tanaka & Omori 1968:243-245, figs. 3-n, 4-n, 14a-i

Euchaeta -, Grice & Hulsemann 1968:329

Euchaeta -, Park 1978:239, 240, 244

-- Heptner 1987: 1179, 1180

-- Bradford et al. 1983:23

-- PARR 1995: 67, FIGS. 63, 64, DESCRIPTION,

DIAGNOSIS

Paraeuchaeta perplexa Heptner 1987

Pareuchaeta -, Heptner 1987: 1185-1187, fig. 6, n. sp.

♂ only, Kurile-Kamchatka Trench

-- PARK 1995: 11-

PARA EUCHAETA PLANA - see EUCHAETA

Paraeuchaeta plaxiphora Park, 1995

-- Park 1995: 51-, fig. 42, n.sp. female only, off  
California

<sup>a</sup>  
Parēuchaeta plicata M. Heptner, 1971

n.sp., Heptner, 1971, p. 102-4, fig. 14

-- BRADFORD ET AL. 1983:23

-- PARK 1995:10-

Euchaetidae - Calanoida  
Paraeuchaeta plumifera Brady, ♀,

— — Brady, 1918, p. 21: pl. 14, figs. 7-11.  
-- BRADFORD ET AL. 1983: 23

Habitat. Antarctic Ocean.

<sup>a</sup>  
PAREUCHAETA POLARIS (BRODSKY) 1950

— — BRODSKY, 1950, P. 212. fig. 126, USSR

-- --, Johnson, 1963. pp. 92, 93, 97

--, Heptner, 1971, p. 83, 94, 107

-- TANAKA 1958: 347.

-- HEPTNER 1987: 1181

-- BRADFORD 1983: 23

-- PARK 1995: 9-

PARAEUCHARTA POCITA - see P. CALVA

<sup>a</sup>  
Pareuchaeta prima M. Heptner, 1971

n. sp., Heptner, 1971, p. 104-6, fig. 15, p. 99.

-- BRADFORD 1983: 23

-- PARK 1995: 10-

Euchaetidae - Calanidae

~~= PARA~~  
Euchaeta propinqua Esterly, ♀. ①

- SEE PARAEUCHAETA

— — Esterly, 1906, p. 61: pl. 9, f. 9: pl. 10, f. 30,  
— —, BRODSKY, 1950, P. 212, fig. 125, usse

33

Habitat. Pacific near California.

Paraeuchaeta propinqua (Esterly).

Euchaeta p. - Esterly, 1906, p. 61: pls. 9 and 10

Paraeuchaeta p. - A. Scott, 1909, p. 71: pl. 17, fig. 13-20

-- , BRODSKY, 1950, P. 212, fig. 125. ussr

-- TANAKA 1958: 334, 347

-- BRADFORD ET AL. 1983: 23

Habitat. Malay Archipelago. (?)

P. - , PARK 1995: 51, FIG. 43, DESCRIPTION,

DISTRIBUTION; NEW

RECORD OFF@HILE

(PARA)

*Euchaeta pseudotonsa* n. sp

1

E - Fontaine, 1967, p. 204

E - Parks, 1975, pp. 3, 4, 19, fig. 16

E - PARK, 1978: 203, 205, 227, 231, 235 ♀♂, 238; fig. 85-87

E - GRICE, 1969: 454

E - Grice & Hulsemann, 1968: 329

E - Deesey & Brooks, 1977: 264

E - COPLEY ET AL. 1989: 12-, NW ATLANTIC

<sup>a</sup>  
Pareuchaeta prudens Tanaka & Omori

-- -- Tanaka & Omori, 1968, pp. 247-249, figs. 3-p,  
4-p, 16 a-e, ♀ ONLY, OFF JAPAN

EUCHAETA -, PARK 1978: 283

P. -, BRADFORD ET AL. 1983: 23, 38

P. -, PARK 1995: 41, FIG. 28, DESCRIPTION (♀),  
TASMAN SEA, OFF SAN DIEGO, E. TROPICAL  
PACIFIC, S. ATLANTIC

(PARA-)

*Euchaeta pseudotonsa* n. sp

1

E - Fontaine, 1962, p. 204

E - Parks, 1975, pp. 3, 4, 19, fig. 16

E - PARK, 1978: 203, 205, 207, 231, -235 ♀♂, 238; FIG. 85-87

E - GRICE, 1969: 454

E - Grice & Hulsemann, 1968: 329

E - Deesey & Brooks, 1977: 264

E - COPLEY ET AL. 1989: 12-, NW ATLANTIC

<sup>a</sup>  
Pareuchaeta pseudotonsa (FONTAINE, 1967)

2

- , Roe, 1972a, pp. 295-
- YAMANAKA 1976: 161-196, SW ATLANTIC
- BRADFORD ET AL. 1983: 23, 46, 48, 131, 140, FIGS.  
25, 86; RECORDS - SW PACIFIC
- MAUCLINE 1988: 733 -
- Soldevilla, et al. 1988: 58 Canary Islands
- RAZOULS 1994: 93, 12
- PARK 1995: 74, FIG. 71, DESCRIPTION, DISTRIBUTION,  
NEW RECORDS

PAREUCHAETA PSEUDOTUMIDULA (BRODSKY)

— — BRODSKY, 1950, P. 217, fig. 130, USSR

—, Heptner, 1971, p. 108, a syn. of Pareuchaeta tumidula

EUCHAETA —, PARK 1978: 267

P. —, BRADFORD ET AL. 1983: 23, 28; SYN. OF P. TUMIDULA

PARAFUCHAETA PUBERA - see

EUCHAETA

~~Euchaeta pubera G. O. Sars - see Paraeuchaeta~~

Euchaetidae -

<sup>a</sup>  
Pareuchaeta rasa Farran, ♀.

— — Farran, 1929, p. 240: text-fig. 10, a-f.  
-- (= EUCHAETA RASA), PARK, 1978: 272

-- YAMANAKA 1976: 161-196, SW ATLANTIC  
-- BRADFORD ET AL. 1983: 23, 51, 52, 131, 140, FIGS. 27, 86;

Habitat. Antarctic.

PARA-  
Euchaeta rasa (Farran, 1929)

E --; Vervoort, 1957, p. 78-79, figs. 57-59.

E --, PARK, 1978: 94, 202, 204, 205, 224, 272-276 ♀♂, 277,  
278; FIGS. 113-115; 542: PARAEUCHAETA RASA

E -- ZMIJEWSKA 1983: 33-45, PRYDZ BAY, ANTARCTICA

E --, WARD, P. 1986: 637, SOUTH GEORGIA

E -- Ferrari & Dojir, 1987: 459 Southern Ocean Atlantic Sec

P --, RAZOULS 1994: 95-, Pl. 41, ANTARCTIC; 12

P --, PARK 1995: 46-, FIG. 35, SYNONYMY, DISTRIBUTION,

PARA-

EUCHAETA REGALIS (GRICE & HULSEMAN, 1968)

E. -, GRICE & HULSEMAN, 1968: 329-331, FIG. 34-48

E. -, PARK, 1978: 203, 204, 250, 253-256 ♀♂; FIG. 99-101

E. -, GRICE & HULSEMAN, 1968 ♂ = E. COMOSA

PARAEUCHAETA -, BRADFORD ET AL. 1983: 23, 33, 51, 53, 54,

133, 140, FIGS. 28, 87

P. -, RAZOULS 1994: 12

P. -, PARK 1995: 50-, FIG. 40, DESCRIPTION, DISTRIBUTION,

♂ = P. COMOSA

= PARAEUCHAETA

Euchaetidae - Calanoida

Euchaeta robusta Wolfenden, ♀

E. — Wolfenden, 1911, p. 299: pl. 36. fig. 1:  
Text-fig. 51, a-d.

E. —, Grice & Hulsemann, 1967, p. 25;

PARAEUCHAETA —, BRADFORD ET AL. 1983: 23

P. —, PARK 1995: 8 —

Habitat. Atlantic

Paraeuchaeta rotundirostris Heptner 1987

Pareuchaeta -, Heptner 1987: 1178-1179, fig. 1, n. sp.

♀ only, Kurile-Kamchatka Trench

-- PARK 1995: 11-

Paraeuchaeta rubicunda (Farran, 1908)

Euchaeta -, Farran 1908:

Paraeuchaeta -, Bradford et al. 1983: 23

P. -, Park 1995: 60-, Fig. 54, description of female;  
distribution

PAREUCHAETA <sup>a</sup>RUBRA (BRODSKY) ①

— —, 1950 BRODSKY, P. 214, fig. 128, USSR

-- --, Tanaka & Omori, 1968, pp. 249-250, figs. 3-q,  
4-q, 17-b

-- --, Heptner 1968 p. 680

-- --: Vaupel-Klein, 1970, pp. 17-19, figs. 5a-c, 13a.

--, Heptner, 1971, p. 85, fig. 5, syn.: P. crassa

-- Minoda, 1972, p. 327.

--, MOTODA + MINODA, 1974: 232

-- BRADFORD 1983: 23; syn. P. CRASSA TANAKA, 1958

PAREUCHAETA -, BAMSTEDT 1986: 20-

= P. RUBRA

Paraeuchaeta crassa O. Tanaka, 1958

③

-- Tanaka 1958: 357-359, figs. 76a-i, n. sp. ♀♂, Japan

-- Furuhashi 1966: 306.

-- Heptner 1971: 85, a syn. of P. rubra.

-- Motoda & Minoda 1974: 232.

-- BRADFORD ET AL. 1983: 23, = P. RUBRA

PARAUCHAETA CRASSUS, MINODA 1972: 327

Paraeuchaeta rubra Brodsky, 1950

card 3

-- Sargent & Henderson 1986: 67-

-- PARK 1995: 42-, FIG. 30, DESCRIPTION, DISTRIBUTION  
adds E. CHINA SEA, W. COAST S. AMERICA, CENTRAL  
N. PACIFIC

Euchaeta russeli Farran ♀♂.

- — Farran, 1936, p. 91: fig. 7, a-i.  
 — — Uchida, 1953, pp. 1-614-615, fig. 1, In Japan Sea.  
 Par — —, Koga, 1960, pp. 792-796. Nauplii.  
 — —, PARK, 1978: 202.  
 — Strickler, 1982: 159

Habitat. Great Barrier Reef.

- TANAKA 1958: 333 - as E. RUSSELLI; 334 - E.  
DAITOMARU MORI IS A SYNONYM; 334-336, FIGS. 65  
 a-g, ♀♂ - JAPAN - as PARAEUCHAETA RUSSELLI.

Euchaeta russelli Farran

card 2

-- Tranter 1977: 593-625.

-- Koga 1960a: 792, = Paraeuchaeta russelli

— Tanaka, 1965a: 23, fig. 14a-e

-- MADHU PRATAP + HARIDAS, 1986: 108, 110 - INDIAN OCEAN

E.-, FONTAINE 1988: 31-

<sup>a</sup>  
↓  
Pareuchaeta russelli (Farran) 1936

①

SEE ALSO EUCHAETA RUSSELLI

-- --, Tanaka & Omori, 1968, p. 250, figs. 3-r,  
4-r, 17-a

--, Furuhashi, 1961: 106

--, ITOH, 1970: TAB. 1

--, Chen, et al., 1983: 352, 365

-- Tanaka 1958: 333-336, figs. 65a-g, ♀♂, Japan; as E.  
russelli and P. r.; E. daitomarui Mori is a synonym;  
337, 338.

EUCHAETA DAITOMARUI, MORI 1937: 48, N. SP. - JAPAN

Paraeuchaeta russelli (Rarran)

card 2

-- Koga 1960a: 792-796, figs. 1, 2, developmental stages, Japan; E. flava of Mori (1936) a synonym.

-- KOGA 1973: 32, FIG. 2-1

-- KOGA 1984b: 104, 119, FIG. 10-1; 127, 137-138, FIG. 22, TABLE 2-(8); 186; FIG. 61(5)

-- SAZHINA 1975: 82, 83

PARAUCHAETA -, IZAWA 1987: 175

-- BRADFORD ET AL. 1985: 18, 23; SYN. EUCHAETA

DAITOMARU Mori, 1937

Paraeuchaeta russelli (Farran, 1936)

card 3

-- Park 1995: 85, fig. 82, description, distribution  
(new records - Sagami Bay, Japan); synonymy (includes  
Euchaeta daitomarui)

= PARAEUCHAETA RUSSELLI  
EUCHAETA DAITOMARUI Mori 1937

— — Mori, 1937, p. 48, JAPAN.

-- TANAKA 1958: 334, A SYNONYM OF EUCHAETA  
(NOW PARAEUCHAETA) RUSSELLI FARRAN.

Habitat: Japan Sea

Euchaeta sarsi Farran, ♂, ♀.  
Euchaeta - Calanoida

- — Farran, 1908, p. 41: pl. 3, figs. 15-16,  
Paracuc. A. Scott, 1909, p. 75: pl. 21, figs. 9-15.  
— — With, 1915, p. 177: <sup>178</sup>pl. 6, f. 7, a-b; text f. 50, a-g,  
— —; Vervoort, 1957, p. 84.  
— —; Park, 1975, pp. 2, 4, 5, 19, fig. 17.

Habitat. N. Atlantic.

— —, Grice & Hulsemann, 1968: tbl. 2

--, PARK, 1978: 203, 204, 205, 249, 250-253 + 6, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

340: PARAEUCHAETA SARSI

--, WITA, 1915 = E. HANSENI, (PARK, 1978)

Euchaetidae - Calanoida

Paraeuchaeta sarsi (Farran) ♂, ♀.

Euchaeta barbata Sars, 1902, p. 41: pl. 28.

— — Wolfenden, 1904, p. 135: fig. 1. Nos. 5, 6.

— sarsi Farran, 1908, p. 41: pl. 3, figs. 15-16.

Paraeuchaeta - A. Scott, 1909, p. 75: pl. 21, figs. 9-15  
= EUCHAETA BARBATA, (PARK, 1978: 659)

Habitat. Malay Archipelago, E. NORTH ATLANTIC

— Bjornberg, 1981: 633, fig. 211 #8

E. barbata, Vervoort, 1957, p. 83.

Paraeuchaeta Sars, 1925, p. 114: pl. 31, figs. 8-14.

-- --, SEWELL, 1947, P. 127, FIG. 29. = EUCHAETA SARSI, (PARK, 1978)

-- --, JESPERSEN, 1934, P. 80, GREENLAND WATERS.

-- -- Tanaka and Omori, 1967, pp. 239-260.

-- --, Tanaka & Omori, 1968, pp. 250-251, figs. 3-s,  
4-s, 18-a-d = EUCHAETA SARSI, (PARK, 1978: 250)

--, Roe, 1972a, pp. 295-

-- TANAKA 1958: 334, 347-348; 351-353, FIG. 73a-j;

PARAEUCHAETA DENTATA A. SCOTT, 1909 (♂) A

SYNONYM; 363, 365

-- YAMANAKA 1976: 161-196, SW ATLANTIC

Paraeuchaeta sarsi (Farran, 1908)

card 2

-- Heptner 1987: 1187

-- BRADFORD ET AL. 1983: 23, 33, 54, 55, 57, 133, 140,  
FIGS. 29, 87; RECORDS - SW PACIFIC; P. DENTATA  
(A. SCOTT) A SYNONYM.

PARUCHAETA -, MAUCHLINE 1988: 733

PARUCHAETA -, BANSTEDT 1986: 11-

Paruchaeta - Soldevilla et al 1988: 58 Canary Is.

P. -, RAZOULS 1994: 12

P. -, PARK 1995: 47-, FIGS. 37, 38, SYNONYMY, DISTRIBUTION,  
DESCRIPTION

PARAFUCHAETA SCAPHULA - see P. TUBERCULATA

Paraeuchaeta scopaeorhina Park, 1995

-- Park 1995: 68-, fig. 65<sup>m</sup>, n.sp. female only, Pacific  
coasts of the Americas

Euchaeta scotti Farran, ♂, ♀.

- — Farran, 1908, p. 42: pl. 3, figs. 11-13.
- — Woffenden, 1911, p. 301: pl. 35, f. 2: text f. 53, a-c.
- — With, 1915, p. 179: pl. <sup>181</sup>6, f. 10, a-c: text f. 51, a-j.
- Pareuchaeta — Sars, 1925, p. 116: pl. 32, f. 1-6.

-- Harding, 1974, p. 143.

Habitat, N. Atlantic.

- Park, 1975, p. 2, 4, 19, 20-21, fig. 18.
- Grice & Hulsemann, 1968: t. 2
- Deevy & Brooks, 1977: 264

--, Heptner, 1971, p. 87, a syn. of Pareuchaeta s.

--, PARK, 1978: 202, 204, 276, 277, 278-280 ♀, 282, 283,  
286; FIG. 117

--, WOLFFENDEN, 1911 = E. ~~AEQUATORIALIS~~ [PARK, 1978]

Euchaetidae - Calanoida

<sup>a</sup>  
Pareuchaeta scotti (Farran), ♀, ♂. 2

— — Sars, 1925, p. 116: pl. 32, f. 1-6

— —, Sewell, 1947, p. 125, fig. 28, B-F. ARABIAN SEA.

— —, Jespersen, 1934, p. 81, DAVIS STR. - BAFFIN BAY AREA. - 1940,  
p. 31-32. I. of Iceland.

Habitat, North Atlantic.

— — Grainger, 1965, pp. 543-564.

— —, Tanaka & Omori, 1968, p. 253, figs. 3-u, 4-u

— —, Furuhashi, 1961: 106

--, Heptner, 1971, p. 85; ? scotti, pp. 87, fig. 6,  
syn.: Euchaeta s.

-- TANAKA 1958: 333, 334, 353-355, FIG. 74 a-j; JAPAN

-- YAMANAKA 1976: 161-196, SW ATLANTIC

-- Bjornberg, 1981; 633, fig. 211 #9

-- BRADFORD ET AL. 1983: 23, 38

PAREUCHAETA -, MAUCHLINE 1988: 733-

P. -, RAZOULS 1994: 12

P. -, PARK 1995: 40-, FIG. 27, DESCRIPTION, DISTRIBUTION-  
ATLANTIC, PACIFIC, INDIAN OCEANS

Paraeuchaeta sesquipedalis Park, 1995

-- Park 1995: 69-, fig. 66, n.sp. female + male, off west coast of North America and in se Atlantic

Euchaetidae - Calanoida

Paraeuchaeta sibogae A. Scott, ♀

— — A. Scott, 1909, p. 73: pl. 16, figs. 1-9.

-- TANAKA 1958: 334

-- BRADFORD ET AL. 1983: 23

-- PARK 1995: 8-

Habitat. Malay Archipelago.

Euchaeta similis Th. Scott. ♀.

- kessel, var. *similis* T. Scott, 1893, p. 58: pl. 6, f. 24-25.  
 — *similis* Giesbrecht & Schmeil, 1898, p. 52.  
~~not~~ — Wolfenden, 1908, p. 19: pl. 4, figs. 1-4.  
 — — Wolfenden, 1911, p. 296: text-fig. 48, a-b.  
 — —; Vervoort, 1957, p. 84, fig. 69.

Habitat. Gulf of Guinea.

--, PARK, 1978: 94, 202, 203, 227-229 ♀, 231; FIG. 82;

542:

PARAEUCHAETA S., FARRAN, 1925

Euchaetidae - Calanoida

Paraeuchaeta similis (Wolfenden). ♀

— Wolfenden, 1908, p. 19, pl. 4, figs. 1-4

Euchaeta s — Wolfenden, 1911, p. 296: fig. 48. a-b.

Paraeuchaeta — Farran, 1929, p. 239 = <sup>EUCHAETA S.</sup> (PARK, 1978: 227)

Euchaeta — Wolfenden, 1908, p. 19: pl. 4, figs. 1-4.

Paraeuchaeta — Bradford, 1981, passim, p. 400-401, fig. 1C, D, 7)

-- YAMANAKA 1976: 161-196, SW ATLANTIC

Habitat. Antarctic.

-- BRADFORD ET AL. 1983: 23

PARAEUCHAETA SIMILIS (WOLFENDEN, 1911) CARD 2

E. -, FONTAINE 1988: 27-, FIGS. 6, 9, 10, ANTARCTIC;

MEMBER OF "ANTARCTICA SPECIES-GROUP"

E. - Ferrar & Dojiri, 1987: 459, 477, 478 S. Ocean Atlantic S.

P. -, RAZOUKS 1994: 91, 97-, PLS. 42, 43, ANTARCTIC; 12

P. -, PARK 1995: 90-, SYNONYMY, DISTRIBUTION (RECORDS  
TO ROSS SEA)

Paraeuchaeta simplex Tanaka, 1958

-- Tanaka 1958: 336-338, figs. 66a-h, n. sp. ♀♂, Japan;

Euchaeta flava Mori, 1937 a synonym.

-- Tanaka & Omori 1958: 253, figs. 3v, 4v

-- Furuhashi 1966: 312.

-- BRADFORD ET AL. 1983: 23

-- PARK 1995: 86-, FIG. 83, DESCRIPTION, DISTRIBUTION  
(RECORD - SAGAMI BAY, JAPAN); SYNONYMY

PARAEUCHARTA SIMULANTIS - see P. CALVA

<sup>a</sup>  
PARUCHAETA SOLIDA (BRODSKY)

— — BRODSKY, 1950, P. 221, fig. 135, USSR

— —, Tanaka & Omori, 1968, pp. 255-256, fig. 20 a-d

Euchaetidae - Calanoida.

Paraeuchaeta spinifera (Esterly), ♀♂.

Euchaeta s - Esterly, 1906, p. 62: pls. 9, 11, 14.

Paraeuchaeta s - A. Scott, 1909, p. 75: pl. 22. f. 9-16.

— —, BRODSKY, 1950, P. 220, Fig. 134, USSR

— —, SENELL, 1947, P. 129, FIG. 29, CTOG. - ARABIAN SEA.

-- BRADFORD ET AL. 1983: 23

Habitat. Malay Archipelago.

PARAEUCHAETA SPINOSA - see EUCHAETA

~~Euchaeta spinosa Giesbrecht - see Paraeuchaeta~~

<sup>a</sup>  
↓  
Pareuchaeta striata Tanaka & Omori

-- -- Tanaka & Omori, 1968, pp. 257-258, figs. 3-x,  
4-x, 21-a-d

-- BRADFORD ET AL. 1983:23

<sup>G</sup>  
Pareuchaeta subtilirostris M. Heptner, 1971

n. sp., Heptner, 1971, p. 96, 106-7, fig. 16

-- HEPTNER 1987: 1184

-- BRADFORD ET AL. 1983: 23

-- PARK 1995: 10-

PARAEUCHAETA TENUIS - see EUCHAETA

~~Euchaeta tenuis Esterly - see Paraeuchaeta~~

Euchaetidae - Calanocida -

Paraeuchaeta tonsa (Giesbrecht).

Euchaeta tonsa Giesbrecht, 1895, p. 251: pl. 4, f. 9, 10.

Paraeuchaeta t. A. Scott, 1909, p. 72: pl. 14, f. 8-15.

Paraeuchaeta Sars, 1925, p. 122: pl. 33, f. 9-15.

— — Rose, 1929, p. 25.

— — Wilson 1942, p. 201

Habitat, S. & Mid Atlantic: Pacific.

— —, BRODSKY, 1950, p. 208, fig. 121, USSR

— —, SEWELL, 1947, p. 131, FIG. 29. D.H.Z.

— —, Jaspersen, 1940, p. 31. S.W. of Iceland.

-- --, Furuhashi, 1961. p. 8

— —, Owre, 1962

--, Vives, 1972, p. 212.

--, Furuhashi, 1966: 305, 312

--, JAWED, 1973: 14

--, Marques, 1953: 100-101

-- TANAKA 1958: 334, 365-367, FIG. 80 a-c, ♀♂-  
JAPAN; ? P. TUBERCULATA OF A. SCOTT, 1909 (♂)

A SYNONYM?

-- YAMANAKA 1976: 161-196, SW ATLANTIC

Euchaeta tonsa Giesbrecht, ♂♀.

[now Pareuchaeta tonsa] see card for

— — Giesbrecht, 1895, p. 251: pl. 4, figs. 9-10.

— — Giesbrecht & Schmeil, 1898, p. 40.

— — Cleve, 1904, p. 190: Sars, 1905, p. 5.

— — Farran, 1905, p. 35: Pearson, 1906, p. 17.

Habitat, S. & Mid Atlantic: Pacific.

— — Grice & Hulsemann, 1968: tab. 2

- — Eisterly, 1906, p. 64: pl. 9, fig. 10: pl. 10, f. 32.  
 — — v. Breemen, 1908, p. 55, fig. 62,  
 — — Farran, 1908, p. 40.  
Paraeu- A. Scott, 1909, p. 72: pl. 14, figs. 8-15.  
 — — Wolfenden, 1911, p. 298: text-fig. 50, a-d.  
 — — Witt, 1915, p. 166<sup>167</sup>: pl. 4, f. 4, a-b: text-f. 46, a-g.  
 — — Stebbing, 1910, p. 529.  
 — — Eisterly, 1912, p. 281, ff.  
 — — Sars, 1925, p. 122: pl. 33, f. 9-15.  
 — —, BRODSKY, 1950, P. 208, FIG. 121, USSR  
 — —, Fontaine, 1967, p. 195  
 — — Park, 1968, pp. 527-572.  
 — —, PARK, 1978: 203, 227, 231f, 232; FIGS. 84, 87

Paraeuchaeta tonsa (Giesbrecht, 1895)

-- Bradford 1983: 23, 49

Pareuchaeta -- Soldevilla et al. 1988: 58 Canary Is

EUCHAETA -, MARUKAWA 1921: 7, JAPAN

E. -, SUAREZ, E. + GASCA 1989a: 198, YUCATAN CHANNEL

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

E. -, SUAREZ M., E. 1990: 4, OFF YUCATAN

E. -, COPLBY ET AL. 1989: 12, ~~OFF~~ NW ATLANTIC

E. -, E. SUÁREZ ET AL. 1990: 124, W. GULF OF MEXICO

E. -, SUÁREZ, E. 1992: 138, GULF OF MEXICO

1991: 591 - GULF OF MEXICO

Paraeuchaeta tonsa (Giesbrecht, 1895)

card 3

-- Park 1995: 73-, fig. 70, description, distribution;  
new records - west coast of North America, central &  
western Pacific, e. Indian Ocean

PAREUCHAETA -, ROSE 1934: 68-81, OFF ALGERIA

Paraeuchaeta tridentata Heptner 1987

Pareuchaeta -, Heptner 1987: 1187; fig. 5(1-3), n. sp.

♂ only, Kurile-Kamchatka Trench

-- PARK 1995: 11-

Paraeuchaeta triloba Park, 1995

-- Park 1995: 43-, fig. 31, n.sp. female only, off  
California & in Gulf of California

Euchaetidae - Laminaria

Paraeuchaeta tuberculata A. Scott, ♂.

— — A. Scott, 1909, p. 76: pl. 21. figs. 1-8.

— — Sewell 1929, p. 168, Indian O.

-- TANAKA 1958: 334

EUCHAETA -, PARK 1978: 227

-- BRADFORD 1983: 23, 49; SYN. ~~P.~~ P. SCAPHULA

Habitat. Malay Archipelago.

-- PARK 1995: 75; FIG. 72, DESCRIPTION, DISTRIBUTION;  
SYN. P. SCAPHULA

PAR- = P. TUBERCULATA  
*Euchaeta scaphula* n. sp.

-- Fontaine, 1967, p 209  
--, Morris, 1970, pp. 2300 & 2306.

--, PARK, 1978: 227, 235

PARAEUCHAETA -, TANAKA + OMORI 1968: 252, FIGS. 3+, 4+  
P., BRADFORD ET AL. 1983: 23, 49; = P. TUBERCULATA  
A. Scott, 1909

PARAEUCHAETA -, MAUGHLINE 1988: 733

Euchaetidae - Calanoida

Pareuchaeta tumidula (G.O. Sars), ♀ ①

Euchaeta — Sars, 1905, p. 15

Pareuchaeta — Sars, 1925, p. 119: pl. 32, f. 15-20.

\_\_\_\_ Wilson 1942, p. 201

Habitat. Temperate Atlantic.

Aetideidae - Calanoida

Euchaeta tumidula G. O. Sars. ♀ (2)

— — Sars, 1905, p. 15.

Pareuchaeta — Sars, 1925, p. 119: pl. 32, f. 15-20.

--, Heptner, 1971, p. 108, a syn. of Pareuchaeta t.

-- Harding, 1974, p. 142.

--, PARK, 1978: 267

Habitat. Station 1849, Monaco (1 specimen).

<sup>a</sup>  
↓  
Pareuchaeta tumidula (Sars, 1905)

⑧

--, Heptner, 1971, p. 108, fig. 17, syn.: Euchaeta t.,  
Pareuchaeta pseudotumidula

-- HEPTNER 1987: 1184, 1187

-- BRADFORD ET AL. 1983: 23, 28; SYN. P. PSEUDOTUMIDULA

PAREUCHAETA -, MAUCKLINE 1988: 733

P. -, PARK 1995: 827, FIG. 79, DESCRIPTION,  
DISTRIBUTION; SYN. P. BICONVEXA, NEW SYNONYMY

= PARAEUCHAETA TUMIDULA

EUCHAETA BICONVEXA PARK, 1978

(4)

-- PARK, 1978: 202, 204, 205, 264-267 ♀ ♂ FIG. 108, 109

PARAEUCHAETA -, BRADFORD ET AL. 1983: 20, 28, 30,

129, 140; FIGS. 12, 81

P. -, RAZOULS 1994: 12

Paraechaeta tycodesma (Park) ①

Euchaeta tycodesma Park, 1978, p. 229, pl. 83.

Euchaeta antarctica Giesbrecht, 1902, p. 21

pl. 3 fig. 4.

— — —, Bradford, 1981, passim, pp. 401-402,  
fig. 4E, F, G.

P. - BRADFORD ET AL. 1983: 23, 25

E. -, FONTAINE 1988: 27-, FIGS. 13-15, ANTARCTIC; IN  
"ANTARCTICA SPECIES-GROUP"

Paraeuchaeta tycodesma (Park, 1978)

card 2

-- Razouls 1994: 91, 12

-- PARK 1995: 91-, SYNONYMY, DISTRIBUTION

Paraeuchaeta vervoorti (Park, 1978)

Euchaeta -, Park 1978: 203, 238-240, fig. 90, n. sp. ♀

P. -, Bradford et al. 1983: 23

P. -, PARK 1995: 70-, FIG. 68, DESCRIPTION, DISTRIBUTION,  
NEW RECORDS - PACIFIC, TASMAN SEA, S. ATLANTIC

Paraeuchaeta vorax (Grice & Hulsemann, 1968)

Euchaeta -, Grice & Hulsemann 1968: 331-332, fig. 49-52,  
n. sp.

Paraeuchaeta -, Bradford et al. 1983: 23

P. -, PARK 1995: 61-, FIG. 56, DESCRIPTION, DISTRIBUTION

Euchaetidae - Calanoida.

Paraeuchaeta weberi A. Scott, ♀

①

— — A. Scott, 1909, p. 74: pl. 15, figs. 9-16.

— — Sewell 1929, p. 169, fig. 63<sup>♀♂</sup>, development

stages, Indian O.

— —, Sewell, 1947, p. 123, fig. 28, A.

-- (= EUCHAETA WEBERI), PARK, 1978: 224

Habitat. Malay Archipelago.

--, ZVEREVA, 1976: 725 fig. 4

-- TANAKA 1958: 333, 334

(= PARAEUCHAETA)

EUCHAETA WEBERI (A. Scott, 1909)

2

E. - A. Scott, 1909: 74; Pl. 15; Figs 9-16; as PARAEUCHAETA  
WEBERI

E. - G. Rice & Housemann, 1968: 332; Figs 53-59 as  
EUCHAETA WEBERI

E. - Park, 1978: 203, 205, 204-207 ♀♂; Fig. 80, 81; syn.  
PARAEUCHAETA WEBERI

Paraeuchaeta weberi

card 3

-- Yamanaka 1976: 161-196, sw Atlantic

-- BRADFORD ET AL. 1983: 23

P. -, PARK 1995: 76-, FIG. 73, DESCRIPTION,  
DISTRIBUTION | NEW RECORDS

PARAUCHAETA -, ZVEREVA 1976: 70-73, FIG. 4

= PARAEUCHAETA

Aetideidae - Calanoida

Euchaeta wilsoni Jespersen ♀

Jespersen, 1934, p. 69: fig. 17, A-G.

PARAEUCHAETA -, GRAINGER 1965: 543-564.

EUCHAETA -, SHIH ET AL. 1971: 204, CANADA-ARCTIC

Habitat. Jones Sound, Ellesmere Island.

PARAUCHAETA WITHI SEWELL

-- \*SEWELL, 1947, P. 131, FIG. 30-A-C.

-- -- Tanaka, and Omori, 1967, pp. 239-260.

-- --, \*Tanaka & Omori, 1968, pp. 258-259, fig. 22 a-e

Habitat: Central Arabian Seas.

--, \*SEWELL, 1947 + TANAKA + OMORI, 1968 = EUCHAETA HANSENII,

(PARK, 1978): 246

--, OWREY TOYO, 1964a: 343

E. --, SANDER + MOORE 1978: 232

P. --, BRADFORD ET AL. 1983: 23, SYN. OF P. HANSENII

Paraeuchaeta wrighti (Park) - see Euchaeta

<sup>a</sup>  
↓  
Pareuchaeta sp.

CARD 1

- sp., Tanaka, 1960. pp. 39-40, pl. 15, fig. 6-9
- , Seno, Komaki & Takeda, 1963, tab. 2
- , Beklemishev, 1961, p. 146
- , Maclellan, 1967, p. 102.
- , TANAKA, 1964b: 4, 8, TAB. 2, 3
- spp., DIGBY, 1954: FIG. 14; TAB. 7
- sp., JAWED, 1973: 66, 72, 74, 80, 82
- , Zvereva, 1975: 252, fig 2.
- WICKSTEAD 1962: 551, FIG. 2
- BANSTEDT 1986: 20-

PARAEUCHAETA SP.

CARD 2

PARAEUCHAETA -, JAZDZEWSKI ET AL. 1982: 222-

DRAKE PASSAGE

PARAEUCHAETA -, HERRING 1988: 185-

PARAEUCHAETA -, COPLEY + WIEBE 1990: 13, GUAYMAS BASIN

Paraeuchaeta sp. A Bradford et al. 1983

-- Bradford et al. 1983:57, 58, 133, 140, figs. 31, 88, ♀  
only; sw Pacific

Paraeuchaeta sp. B Bradford et al. 1983

-- Bradford et al. 1983: 57, 59, 133, 140, figs. 32,88;  
♀ only, sw Pacific

Paraeuchaeta sp. C Bradford et al. 1983

-- Bradford et al. 1983: 58, 59, 133, 140, figs. 33, 88,  
♀ only, sw Pacific