

SIPHONOSTOMATOIDA

PENNELLIDAE BURMEISTER, 1835

PENELLINA, BURMEISTER 1834:54

- KABATA 1988: 8, 77-78, DIAGNOSIS + KEY TO
CANADIAN GENERA.

- CASTRO + BAEZA 1985c: 22-29, METAPENICULUS N.G.

- NAGASAWA 1989: 5-8, GENERA

PENELLIDAE, KABATA 1992: 95-, DIAGNOSIS, KEY;
ALSO "PENNELIDAE"

- BOXSHALL 1986: 223-225, FIG. 5, PHYLOGENY (CLADISTICS)

- BOXSHALL 1986: 216, EXOPENNA N.G.

(in)

Lernaeidae. - Caligoida
Pennellidae

Pennella, valid

Oken, 1815. ?
1816

P. diodontis. (M)

Synonym, Lernaeopenna Blainville, 1822,

Lernaea (pars), arctores.

Baculus Tubbock, 1860, p. 190.

Hessella Brady, 1883, p. 136.

Pennella, diminutive of Tenna, a little feather.

For genus diagnosis see Wilson, 1917, p. 105.

Pennatula Linnaeus, 1758, p. 819 - Type, P. sagitta, first

Pennella Oken, 181~~5~~⁵, p. 358, Type, P. diodontis monotypic

Lernaeopenna Blainville, 1822, p. 378, Type, L. bocconii

Pennella Cuvier, 1830, p. 256.

Pennella Nordmann, 1832, pp. 52, 121.

Penellus Milne Edwards, 1840, p. 522.

Penella Milne Edwards, 1840, p. 632 - {alphabetical
list of genera.

Penella Dana, 1853, p. 1448.

PENELLA OKEN.

LERNAEO CERIDI

- LÜHING 1953: 15-
- ACLOQUE, 1899: 203, key to genera. (= PENELLA)
- ~~PENELLA~~
- KROYER 1863: 394, TRANSLATION
- PILLAI 1967: 1652
- KABATA 1972: 321, KEY TO GENERA OF
LERNAEO CERIDAE
- RAIBAUT 1982: 325
- SCHRAM 1986: 450, FIG. 37-1F
- KABATA 1988: 78-79, DIAGNOSIS & KEY TO CANADIAN
SPP.

Baculus Lubbock, 1860, p. 190, Type B. elongatus.

Pennella Steenstrup & Lütken, 1861, p. 408.

Pennella Nordmann, 1864, p. 485.

Pennella Heller, 1865, p. 244.

Pennella Richiardi, 1876, vol. 2, p. 190; vol. 3, p. 198.

Hessella Brady, 1883, p. 136, Type, H. cylindrica.

Penella Thomson, 1889, p. 368.

Pennella Mrázek, 1895,

Hirudo Bocconi, 1731, p. 821. H. c. v. pennata.

Penella Quidor, 1912, p. 197.

Lerneopenna LeSueur, 1824, p. 289.

Pennatula Lamartinière, 1798, p. 57.

Lernaea (cirrhusa) Lamartinière, 1787, pl. 2, f. 6.

Penella Bassett-Smith, 1899, p. 482.

Pennella Stebbing, 1905, p. 117 (good bibliography).

Pennella Oken, 1816

card 4

Penella, Kabata 1992: 106, diagnosis

Penella antarctica Quidor. ♀

Penella —, Quidor, 1912, p. 206: pl. 1, figs. 15-17
 pl. 4, figs. 29 & 34.

— Wilson, 1917, a, p. 116: pl. 15, figs. 119-124.

— HOGANS, 1988: 384 A SYNONYM OF P. balaenoptera

Host. From Balaenoptera borealis

Kerguelen.

— — Wilson, 1920, p. 136.

--- ---, Heegaard, 1943, p. 28

-- RAGA & SANPERA 1986: 494, AS ANTARTICA

Pennella anthonyi Quidor, ♀.

Pennella — Quidor, 1912, pl. 1, fig. 9: pl. 4, fig. 31

— — Wilson, 1917, a. p. 110.

-- RAGA + SANPERA 1986: 494

— HOGANS, 1988: 384 a synonym of P. balaeoptera

Host. From Balaeoptera physalus

So. Pacific.

Pennella Balaenopterae Koren & Danielssen¹

Penella —, K. & Danielssen, 1877, p. 157: pl. 16, figs. 1-9.

— —, P. J. Beneden, 1870, p. 356.

— —, Anthony & Calvet, 1905^a, p. 75: text-f. 3.

— —, " " " " , 1905^b, p. 198.

Host. The whale Balaenoptera musculus (K. & D.)

B. rostrata (K. & D.) B. sibbaldi (Quider).

Faroes: Antarctic Ocean.

- —, Quidor, 1910, p. 97.
— —, Quidor, 1912, pl. 1, fig. 14: pl. 4, fig. 32.
— —, Turner, 1905, p. 409: plates 1—4.
— —, Wilson, 1917, a. p. 113 (key),
— —, Wilson, 1920, p. 13 T.,
— —, Hansen, 1923, p. 41.
-- , Stephensen, 1940, p. 8
-- KENSLEY & GRINDLEY 1973: 127.

PENNELLA BALAELOPTERAE KOREN & DANIELSEN CARD 2

- BALAELOPTERA, BRESCIANI, 1986: 139
- RAGA & JANPERA 1986: 489-498, FIG. 1, ON
BALAELOPTERA PHYSALUS, SPAIN
- DUDLEY, P. 1986: 7-
- balaenoptera, HOGANS, 1988: 379, 384, 389, syn listed
- BALAELOPTERA, CASTRO & BAEZA 1988: 85

PENNELLA BILOBA KIRTISINGHE, 1932

- , LEWIS, 1967: 50
- , Pillai, 1967, p. 1653, figs. 222-223
- , HOGANS, 1988: 384, 389 species inquirendae

Pennella blainvillei, Lesueur. ♀. Lernaeidae.

Lernaeopenna b —, Lesueur, 1824, p. 289;
pl. XI, fig. 2, e + k.

Pennellus b —, M. Schods, 1840, p. 523.

P — blainvillei, Carus, 1885, p. 374.

(a synonym of Pennella exocoeti)
(Wilson, 1917, a, p. 110).

— Kazatchenko & Avdeev, 1977: 37, fig 4a-b.

Penella exocoeti (pars), B-Smith, 1899, p. 483.
— *blainvillii*, Bull. Liverpool Mus., I, p. 23, 1897.
— — Flower, 1858, p. 372.

Probably a synonym of *P. exocoeti*, Holten, 1802.
— — Leigh-Sharpe, 1928, p. 84: text-fig. 5.

PENELLA BLAINVILLEI LESUEUR.

--, ACHLOQUE, 1899: 203

—, HOGANS, 1988: 384 → synonym of P. exocoeti

Pennella bocconii Lamartinière & ^{hermannidae}

"Hirudo sive Acus cauda utrinque pennata"
Boccone, 1731, p. 821

Pennatula bocconii, Lamartinière 1798, p. 51:
pl. xx, fig. 6.

Host, "An Orthogoriscus-like fish", taken
between Ukiah & Monterey, California.

Terneopenna —, Blainville, 1822, p. 378: pl.
(unnumbered), figs. 3, 3a.

— —, M-Edwards, 1840, p. 523.

— —, Stp & Ttk. 1861, p. 416 (footnote).

Ternea setifera - Encycl. Method -

M. Edwards thinks this a distinct species, but
Stp. & Tälkern say that it is not well enough
described to warrant separation, and they
make it identical with *P. diodontis*.

Blainville makes it the type of his new genus -

P. bocconii (2)

Pennella diodontes, Ch. & Eysenhardt, 1821, pl. 24, fig. 2.

— *bocconii* Wilson, 1917, a. p. 110

Pennella brachiata, Blainville, ♀.Lernaeopenna, Blainville, 1822, p. 446; fig. 4, pl. unum.Pennella, Stp. & Ltk., 1861, p. 412.diodontis (pars). B. Smith, 1899, p. 483.A synonym of Pennella sagitta,
(Wilson, 1917a, p. 113).

Manilla

Slp. & Ltk. think this will prove to be a
distinct species when it is better known.

Pennella cervicornis Heegaard, 1943

- Hogans, 1988: 384, fig 5, a synonym of P. exocoeti

Penella cettei, Quidor, ♀.

Penella —, Quidor, 1912, pl. 1, figs. 11+12: pl. 4, fig. 30.

— Wilson, 1917, a. p. 110.

-- RAGA & SANPERA 1986: 494

— HOGANS, 1988: 384 a synonym of P. balaeoptera

Host. Balaeoptera physalus.

Penella charcoti Quidor, ♀.

Penella —, Quidor, 1912, p. 207: pl. 1, fig. 13:
pl. 2, fig. 25: pl. 4, fig. 33.

— Wilson, 1917, a. p. 113 (key),

— HOGANS, 1988: 384 a synonym of P. balaeoptera

Host. From Balaeoptera sp.

Antarctic Ocean.

— — Wilson, 1920, p. 13L.

- CHARCOTTI, RAGA + SANPERA 1986: 494

Pennella costai, Richiardi, ♀.

- —, Richiardi, 1880, p. 150 (no fig. or description)
 — —, Goode, 1883, p. 346. (Costaii misspelled).
 — —, Carus, 1885, p. 374.
 — —, Brian, 1898, p. 20.

Host. Xiphias gladius, fixed in the
 muscles.

European Seas,
 No. Atlantique.

— —. Valle, 1882, p. 246.

— —, M. J. Rathbun, 1905, p. 99.

— —. Brean, 1899, c, p. 202.

— — Wilson, 1917, a, p. 111.

— Hogan, 1988: 384 a synonym of P. ~~calacnoptera~~
filosa

Pennella crassicornis, Stp. & Ltk., ♀. ①

— —, Stp. & Ltk., 1861, p. 416; pl. XIV, fig. 34.

— —, Heller, 1865, p. 247.

— —, P. J. van Beneden, 1870, p. 358.

— —, Carus, 1885, p. 373.

Host, Hyperoödon rostratus, Müll: Naucrates
ductor: Xiphias gladius, in skin
and muscles.

Faroes; Mediterranean.

- — . Valle, 1880, p. 69.
— — . Brian, 1903, p. 5
— — . Stossich, 1880, p. 264.
— — . Brian, 1908, p. 11, figs. 4, A to E (text).
— — . Brian, 1912, p. 18: pl. 3, figs. 5-9.
— — . Wilson, 1917, a, p. 113 (key),
— — . Hansen, p. 41, 1923.
— — . DONATO + TORCHIO 1966: 5-13; 4 figs.
— — . HENSLEY + GRINDLEY 1973: 127
— HOBBS, 1988: 385 synonym of P. filosa

PENNELLA CRASSICORNIS

CARD 2

-- RAGA + SANPERA 1986: 494

- RAIBAUT 1982: 325, LISTS MOST RECORDS

Pennella diodontis, Oken, ♀,

-- , O., C., + Eisenhardt, 1821, p. 350: pl XXIV, fig. 2.

-- , Milne-Edwards, 1840, p. 523.

-- , Kröyer, 1837, p. 192.

Lernaea d., Oken, 1815-6, p. 184.

-- , LEWIS, 1967: 30

Host. Diodon sexmaculatus

Manila.

Penella d-, Oken, 1815-6, p. 358.

— —, Cuvier, 1830, p. 257.

Penella —, Quidor, 1912, pl. 1, fig. 2; pl. 2, figs. 19-
—22; pl. 4, fig. 38.

— — Wilson, 1917, a, p. 111

— —, Pillai, 1967, p. 1655, fig. 221, 232

Pennella diodontis Oken, 1816

- Hogans, 1988: 379,382,385, fig 4

Pennella elegans Gnanamuthu

— —, Pillai, 1967, p. 1654, figs. 228-229

--, BRESCIANI, 1986: 137, 139 - TEGUMENT

—, Hogans, 1988: 385, 389 species inquirenda

• Pennella exocoëti, (Holten) 1802

Lernæa ex—, Holten, 1802, p. 136: pl. III, fig. 3a, b.

Lernaeoperna holteni, Desmarest, 1825, p. 347.

Pennella ex—, Stp. & Ltk., 1861, p. 415: pl. XIV, fig. 33.

— —, B-Smitk, 1899, p. 483.

Host, Exocoëtus volitans (Flying fish), and
E. speculiger.

— Kazatchenko & Avdeev, Indian Ocean.
—, Lewis, 1967: 30
—, Lewis, 1977: 37, fig. 4c.

—, A. Scott, 1901, p. 1. records two specimens on a flying-fish labelled P. blainvillii, & copepods in turn being covered with cirripeds.

(See P. blainvillii).

Pennella exocoeti, Wilson, 1913, p. 257.

Penella —. Quidor, 1912, pl. 1, fig. 3: pl. 4, fig. 39.

— — Calman, 1916, p. 63: text-fig. 7.

— — Wilson, 1917, a, p. 115. [pl. 11, fig. 2, e-k

Lernaeopenna blainvillii Le Sueur, 1824, p. 289:

Pennellus blainvillii M. Edwards, 1840, p. 523.

— — Carus, 1885, p. 374.

— *exocoeti* Leigh-Sharpe, 1928, p. 83: text-fig. 4.

Pennella exocoeti (Holten, 1802)

- Hogans, 1988: 384-387,389, figs 7-11, syns listed

Pennella filosa, (Linnaeus) ♀.

Pennatula filosa, Linnaeus, 1758, p. 819.

— —, — —, 1767, p. 1322.

— —, Ellis, 1763, p. 419: pl. XX. fig. 15.

Hirudo cauda utrinque pennata, Boccone, 1731, p. 821.

Host. Orthogoriscus mola: Xiphias gladius.

N. Atlantic.

- Pennella filosa*, Guérin, 1829-44, pl. IX, fig. 3.
Pennellus, M-Edwards, 1840, p. 523.
Pennella, Kröyer, 1837, p. 192.
 — —, White, 1856-59, p. 404.
 — —, Coode, 1883, p. 345.
 — —, B-Smitk, 1899, p. 483.
Veruāca virhosa, La Martinière, 1787, pl II, fig. 6.
Pennella filosa, T. Scott, 1905^a, p. 113.
 — —, Brian, 1908, p. 8, figs. 2 A to E. (text).
 — —. M. J. Rathbun, 1905, p. 99.
 — —. Brian, 1912, p. 16: pl. 3, figs. 2-4: pl. 6, fig. 10

3A-F text.

P. filosa (2)
Penella —, Quindor, 1912, pl. 1, figs. 5-8; pl. 4, figs. 35,
and 36.

Pennella —, Chamisso + Eysenhardt, 1821, pl. 24, fig. 2
— —, M. T. Thompson, 1905, pp. 296-307; 6 text figs.
— deals with immature specimens —

— —, Fowler, 1912, p. 90; pl. 22. —139

— —, Teidy, 1890, p. 281. [pl. 16, fig. 128-133; pl. 17, fig. 134

— —, Wilson, 1917, a, p. 119; pl. 15, fig. 125-127.

P. rubra Brian, 1906, p. 86; pl. 7, fig. 3.

— *filosa* Leigh-Sharpe, 1928, p. 82; text fig. 3.

— — Wilson, 1932, p. 490 : fig. 295, a, b.

— — Nigrelli 1938, p. 12

— —, Causey, 1960, p. 332-3. Istiophorus greyi, Guaymas, Mazatlán, +
Acapulco, Mexico.

-- SPROSTON 1942: 45.

-- KENSLEY + GRINDLEY 1973: 127.

-- KABATA 1988: 79, FIG. 35 E, F; HOST LIST.

PENELLA FILOSA L.

- , ACLOQUE, 1899: 203.
- RUBRA, CARLI & BRUZZONE 1973b: 132
- Pennella filosa, Hogans, 1988: 385, 387-389, syns listed
- ^{UN}- KABATA 1992: 106; FIG. 24C, D, SYNONYMY, HOST LIST
- BENZ & HOGANS 1993: 128-131, FIGS. 1-2.

Pennella germonia Leigh-Sharp 1931

-- --, Nunes Ruivo, 1962. pp. 78-81, fig. 4-5

-- --, Hogans, 1988: 387 Synonym of P. filosa

Pennella germonia fagei n. subsp.

Poisson and Razet, 1953

- Hogans, 1988: 387 probable synonym of P. filosa

Pennella gracilis^{A.} Costa, ♀.

nomen nudum.

— — Costa

— — Carus, 1885, p. 374

— — Wilson, 1917, a. p. 111.

— — HOPE 1851: 39. IN CATALOGO.

Host. Unknown.

Mediterranean.

Pennella hawaiiensis Kazatchenko & Kurochkin, 1974

- Hogans, 1988: 387 no info available

-- NAGASAWA, ^{IMAI, + ISHIDA} ~~RFAL.~~ 1985: 41

-- KAZACHENKO 1994: 28, FIG. 2V

Pennella histiophori, Thomson, ♀.

— —, Thomson, 1889, p. 368; pl. XXVIII, fig. 2.

— —, B-Somik, 1899, p. 483.

— —, Wilson, 1917, a. p. 113 (key).

--, Lewis, 1967, pp. 21, 23, 24, 26, figs. 8, 9

Host, Histiophorus herschelii

New Zealand.

Penella histiophori Thomson, 1890

--, Hewitt & Hine, 1972, p. 89

- Pennella histiophori, Hogans, 1988: 387, fig 6

Probable synonym of P. filosa

Pennella holteni, ^WDesmarest ♀. Lernaeidae.

Lernaeopenna h— . ¹⁸²⁵Desmarest, 1822, p. 347

A synonym for Pennella exocoeti
(Wilson, 1917, a, p. 111).

Pennella incerta Brian, 1927, ♂.

-- Brian, 1927, f., p. 274: pl. 1, figs. 1-9.

-- CARLI & BRUZZONE 1973b: 132

--, Hogans, 1988: 387 species inquirenda

Habitat, Free swimming in plankton,

Quarto.

Pennella instructa New Species.

— Wilson, 1917, p. 122; pl. 18, figs. 141-147.

Pennella sp.? Brian, 1908, p. 6; figs. 1A-E text.

— Wilson, 1932, p. 491: fig. 295.

P. instructa, Heegaard 1962. p. 186.

--, LEWIS, 1967: 26

Host Swordfish Xiphias gladius.

N. Atlantic.

—, Pillai, 1967, p. 1652, fig. 220

-- KABATA 1988: 79, FIG. 35 G, #; MOST-LIST.

Pennella instructa Wilson, 1917

card 2

- Hogans, 1988: 387,389 (syn P. zeylandica)

Pennella intricata Costa, ♀

— — Costa

nomen nudum.

— — Carus, 1885, p. 374.

— — Wilson, 1917, a. p. 111.

-- , Heegaard, 1962, p. 186

Host unknown -

Mediterranean.

PENNELLA INTRICATA A. COSTA

-- HOPE 1851:39. IN CATALOGO. NOMEN NUDUM?

Penella liouvillei Quidor, ♀.

Penella — Quidor, 1912, p. 209: pl. 1, fig. 1: pl. 2,
 fig. 26: pl. 3, fig. 28: pl. 4, fig. 37.
 — — Wilson, 1917, a, p. 116.

Host. From a sp. of Exocetus.

antarctic Ocean.

— — Wilson, 1920, p. 14 L.

— HOGANS, 1988: 387 probable synonym of
P. exocoeti

Pennella longicauda Gnanamuthu

—, Pillai, 1967, p. 1654, figs. 226-227

--, Hogans, 1988: 387, 389 species inquirenda

Pennella makaira Hogans, 1988

- Hogans, 1988: 387, 389

Pennella orthagorisci, Wright, ♀. ①

Pennella filosa, Guérin-Méneville, 1829-1843,
p. 11, pl. IX, fig. 3.

P. orthagorisci, Wright, 1870, p. 43, pl. I.

P. filosa (pars), B-Smitk, 1899, p. 483.

(over)

Host, Sunfish, Orthagoriscus mola.

N. Atlantic,

P. orthogorisci, Stebbing, 1905, p. 119.

— — — Agassiz, 1865 - found infested with
Eucopa parasitica.

— — —, Stebbing, 1910, p. 561.

— — — Wilson, 1917, a, p. 124.

— — — Weigh-Sharp, 1928, p. 81: text-fig. 2.

— — — Wilson, 1932, p. 292: fig. 295, d

--- ---, Heegaard, 1943, p. 28.

--, Yamaguti, 1936, pt. 2, p. 2

Pennella orthagorisci Wright

card 2

-- Kensley & Grindley 1973: 127

--, Hogans, 1988: 387 synonym of P. filosa

PENNELLA OXYPORHAMPHI SEBASTIAN, 1966

Pennella platycephalus Gnanamuthu

—, Pillai, 1967, p. 1654-1655, figs.
230-231.

--, Hogans, 1988: 388, 389 species inquirenda

Pennella plumosa, De Kay. ♀.

— —. De Kay, 1844, p. 60.

— — Wilson, 1917, a, p. 111.

— — Linton 1925 = P. filosa, Nigrelli 1938, p. 12

— — Hogans, 1988: 388 a synonym of P. filosa

Host. Diodon pilosus, printed by error
as "D. plumosus"

No. Atlantic.

Tennella pustulosa, Baird, ♀.

— —, Baird, 1847b, p. 280, text figure.

— — Wilson, 1917, a, p. 113 (key).

Host. Side of body of a dolphin (Coryphaena)
near the gills -

Atlantic opposite Pernambuco - Brazil 11° 54' South.
27° West.

Pennella remorae, Murray, ♀.

- —, Murray, 1856, p. 299: text-figs. 4 & 5.
 — —, P. J. van Beneden, 1870, p. 53 (on gills).
 — —, Carus, 1885, p. 373.
 — —, Wilson, 1917, a, p. 111,
 — —, Brian, 1906, p. 87

Host, In cephalic disc of Echeneis remora,

- — Delamare-Deboutville + Nunes, 1952, pp. 25-34, fig. 1-9 (on ventral surface)
 — —, Deboutville, 1951, pp. 343-352, Figs. 1-9.

Mediterranean.

-- --, Heegaard 1962. p. 186, fig. 210-213

Pennella remorae

card 2

--, Delamare + Nunes, 1952, p. 298

--, Heegaard, 1962, p. 186, figs, 210-213

--, LEWIS, 1967: 30

--, Hogans, 1988: 388 a synonym of P. filosa

Pennella robusta Gnanamuthu

— —, Pillai, 1967, p. 1654, figs. 224-225

--, Hogans, 1988: 388, 399 species inquirenda

Tenuella rubra, Brian. ♀

———. Brian, 1906, p. 86, pl. VII, fig. 3.

A synonym of Tenuella filosa.
(Wilson, 1917, a, p. 112).

Pennella sagitta, (Linnaeus), ♀.

Lernaeidae

Pennatula sagitta, Linnaeus, 1754, p. 257:
pl. III, fig. 13: 1758, p. 819: pl. 3, fig. 13.

— —, Ellis, 1763, p. 429, pl. XX, fig. 16.

— —, Gmelin, 1788, p. 3865.

— —, Ellis & Solander, 1786, p. 64

Host, Lophis (Antennarius) tumidus: L.
marmoratus: Chironectes.

L. piscatorius.

Diodon pilosus Mitch.
European Seas.

- Pennatula sagitta*, Lamarck, 1818, p. 428.
Lernæa ^{*penna brachiata*} ~~*marionae*~~, Blainville, 1822, p. 446. fig. 4
Lernæopenna sagitta. —, —, p. 379, fig. 5.
Pennella sagitta, Nordmann, 1832, p. 121; pl. X, fig. 6.
— —, M. Edwards, 1840, p. 522.
— —, Stp. & Ltk., 1861, p. 409; pl. XIV, fig. 31.
— —, Carus, 1885, p. 374.
— —, B. Smith, 1899, p. 483; 1896, a, p. 160.
Pennatula —, McKay, 1822, p. 87. 1 text figure.
— —, Cuvier, 1817, vol. 4, p. 36 (belongs to *Calysius*)
— —, Pallas, 1772, p. 364.

Penella —, Quoy, 1912, pl. 1, fig. 4

Pennatula —, Odhelius, 1759, vol. 4, p. 257: fig. 3.

Pennella — Fowler, 1912, p. 91; pl. 23.

— — Brian, 1914, p. 7, fig. 6, text. (young)

— — Brian, 1917, p. 2.

— — Wilson, 1917, a. p. 113

Pennatula bocconii Lamartinière, 1798, pl. 20, §. 6.

Lernæa diodontis Oken, 1816, p. 184.

Pennella diodontis Oken, Chamisso & Eschschardt,
1821, p. 350; pl. 24, §. 3, 18, 19-22; pl. 4, §. 38.

P. diodontis Quoy, 1912, p. 205; pl. 1, §. 2; pl. 2.

- Pennella sagitta*, Leigh-sharpe, 1928, p. 80: text-fig. 1.
— — Brian, 1929, p. 9: pl. 1, f. 1-9: pl. 2, f. 7, 11-14: pl. 3, f. 1-7:
— — ♂, p. 19, text-figs. 1-5. } pl. 5, f. 1-14.
— — Kirtisinghe, 1934, p. 142, on porcupine fish —
-- SPROSTON 1942: 452
-- KABATA 1988: 79, FIG. 35C, D; HOST RECORD.

Pennella sagitta (Linn., 1768)

card 3

- Hogans, 1988: 379-384, 389, figs 1-3 (syn .
Lernaeopenna sagitta, L. brachiata), Host:
Histrio histrio (Sargassum fish)

- - LÜNING 1953: 15-

- - KABATA 1992: 106

PENELEA SAGITTA DE BLAINV.

--, ACLOQUE, 1899: 203-204, pl. 96.

PENNELLA SELARIS KIRTISINGHE, 1964

--, Lewis, 1967: 30

— —, Pillai, 1967, p. 1655, figs. 233-234

Pennella sultana, Nordmann, ♀

- —, Nordmann, mss. Museum d'Hist. nat. Paris.
 — —, M. Edwards, 1840, p. 523.
 — —, Nordmann, 1864, p. 485; pl. V. figs. 12-16.

a synonym for Lernaeolophus sultanus.
 (Wilson, 1917, a, p. 112),
 (BEN HASSINE, 1983: 113)

Pennella tridentata Hoistowsky, ♀.

-- Hoistowsky, 1892, pp. 19, 1 plate. (unnum.)

-- Wilson, 1917, a, p. 113 (key).

--, Hogans, 1988: 388, 389 status unknown

Host. Gills of Xiphias gladius

Messina.

Pennella varians, Sp & Ltk. ♂. ♀.

—, Sp. & Ltk., 1861, p. 413; pl. XIV, fig. 32.

—, Carus, 1885, p. 373.

—, B. Smith, 1899, p. 483.

—, Wilson, 1917, a. p. 112 (key).

Host. Coryphaena, sp.: Sepia officinalis: Loligo
vulgaris: Eledone moschata, ouvgills.
Delphinus sp.

Atlantici.

- Pennella pustulosa*(?) Baird, 1847b, p. 280.
-- , P. J. van Beneden, 1870, p. 361.
-- , Wierzejski, 1877, p. 562: Tav. 32-33.
-- , Stossich, 1880, p. 265.
-- , Thompson, 1849, p. 339.
-- , Dollfus, 1958, p. 61
-- , Kabata, 1969, p. 92
-- SPROSTON 1942: 448, 452

Penella varians Steenstrup & Lutken

--, Vaisiire, 1961, p. 78

-- PERKINS 1983: 70

--Pennella varians, Hogans, 1988: 388, 389 status unknown

-- " STOCK 1960: 255-256, FIG. 20, LARVAL STAGES,
ROSAS, SPAIN, ON TODAROPSIS EBLANAE

PENNELLA-, RAIBAUT 1985: 252 -

Penella varians Steenstrup & Lütken 1861

Bresciani, J. 1970: 11

PENNELLA ZEYLANICA KIRTISINGHE, 1932

Loernaeidae

Pennella ——— sp ——— ♀, Brian.

———. Brian, 1908, p. 6, figs. 1 A to F. (text).

(Pennella orthagorisci Wright)

Host. Xiphias gladius, Skin of belly

Mediterranean.

Pennella sp.

- , Cressey & Lachner, 1970, p.312, 314
- , Heegaard, 1962, p. 186
- Kazatchenko & Avdeev, 1977: 38
- Castro Romero & Baeza, 1986: 167-171, fig. 1-12
- STEKHOVEN & PUNT 1937: 649, 650
- DANIEL & RAMA RAO 1967: 641, HOST PAREXOCOETUS
MENTO, BAY OF BENGAL
- K. NAGASAWA ET AL. 1988: 571-577, HOST COLOLABIS
SAIRA, N. PACIFIC.

Pennella s♂.

3

___ sp. Wilson 1942, p. 202, copepodid larva

--, Yamaguti, 1936, pt. 2, p. 2 (Ishii, 1916)

--, Lewis, 1967, pp. 26, 28, 30

- species, CRESSEY & CRESSEY 1980: 46.

-- KENSLEY & GRINDLEY 1973: 110, FROM SEI, FIN,
+ SPERM WHALES, SALDANHA BAY, SOUTH AFRICA;

p. 127.

-- NAGASAWA ET AL. 1984, :221-, FIGS. 1-4, EX COLOCABRIS SAIRA, JAPAN

-- NAGASAWA ET AL. 1985: 35-42, EX C. SAIRA, W. PACIFIC

Pennella sp.

card 4

-- Nagasawa 1984a: 205-208, ex Cololabis saira, w.

North Pacific, Sea of Okhotsk; Fig. 2

-- Nagasawa 1984b: 57-, Fig. 5, ex Cololabis saira,

Pacific

-- NAGASAWA 1989: 5-