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Lernaeidae - Caligoida

Lernaeocera.

Blainville, 1822,

L. branchialis <sup>①</sup>.

original spelling Lerneocera

Syn. Lerneocera Blainville, 1822, p. 375.

Lernaea (pars) Linnaeus, 1767, p. 1092.

Lernaeocera (pars) Nordmann, 1832, p. 130.

Lernaea Burmeister, 1833, p. 319.

Lernaea T. & A. Scott, 1913, p. 142.

Lernaeocera Wilson, 1917, p. 83.

Λέρναιος = Lernaeon and κέρνος = kernos

Head not distinctly separated from thorax, but bearing horn-like processes; mouth terminal. Gen. segt. much elongated, slightly curved. Five pairs of thorax legs placed at nearly equal distances one from another, the first 4 pairs biramous, rami 3-jointed; 5th. pair rudimentary. Egg tubes short, wide, multiseriate.

Pennellidae: Siphonostomatoida

Lernaeocera

(2)

- Kabata, 1968, p. 106
- Kabata, 1972, p. 321, key to genera of Lernaeoceridae
- , Boer, 1970-2, p. 9, tbl. 1
- BRESCIANI + LÜTZEN 1961: 354
- CHANGELUX 1960: 88
- STEKHOVEN + PUNT 1937: 655-6
- GRABDA 1963: 169
- KABATA 1988: 82, DIAGNOSIS
- NERESHEIMER 1909b: 77, DIAGNOSIS
- LÜHING 1953: 15 -
- KABATA 1992: 99, DIAGNOSIS, KEY

Lernaeidae. Caligoida.

Lernaeocera abyssicola (Brady), ♀.

Lernaea — Brady, 1883, p. 137: text-fig. 4.

— — B-Smith: : 1903, p. 109.

Lernaeocera — Wilson, 1917, a, p. 84 (key).

Host. Ceratiias uranoscopus.

Deep Pacific.

Lernaeocera aceratus Ho & Honma, 1983

-- Honma & Ho 1988:33-, mis-type for Lernaeolophus a.

Lernaeocera barnimii, Hartmann. ♀. Lernaeidae.

—, Hartmann, 1870, p. 726, pls. XVII, XVIII.  
Includes development with figures of larvae.

A synonym of Lernaea barnimii.  
(Wilson, 1917, b. p. 196).

Lernaeidae - Caligoida  
Lernaeocera bichiri Kurtz, ♀.

— — Kurtz, 1923, p. 332: pl. 2, figs. 1-11.

Host Polypterus bichiri Geoffroy.

Nile T.P.

Lernaeocera branchialis, (Linnaeus) ♂. ♀.

Lernaeidae.

Lernaea, Linnaeus, 1767, p. 1092.

— —, Ström, 1770, p. 209; pl. I, fig. 18.

— gadina, Müller, 1776, p. 65; pl. Cxviii, fig. 4.

— — —, Fabricius, 1780, p. 336.

— branchialis, Conélin, 1790, p. 3144.

— KARATA, 1965, p. 104

Host, Gills of Gadidae

Faroes. Iceland: Europe, Asia, America.

Greenland:

*Lernaea branchialis*, Oken, 1815, pl. VII. fig. p. 184.

— —, Lamarck, 1818, p. 240.

Lernaeocera, Blainville, 1822, p. 376; pl. XXVI, fig. 1, la. <sup>n.n.</sup>

*Lernaeocera branchialis*, Nordmann, 1832, p. 130.

*Lernaea branchialis*, Burmeister, 1833, p. 319.

— —, Kröyer, 1837, p. 293; pl. III, fig. 10a-b.

— —, M. Edwards, 1840, p. 528.

— —, Thompson, 1843, p. 270.

— —, Baird, 1850, p. 345; pl. XXXV, fig. 12.

— —, White, 1850, p. 132; 1857, p. 333.

— —, Metzger, 1869, p. 154.

— —, Ström, 1762, p. 167; pl. I. fig. 18.

— —, Kabata 1960 (host specificity); pp. 133-139

- Lernaea branchialis, Beneden, 1851, a, p. 127.
- —, —, 1861, p. 130; pl. XIX, figs. 5-13; p. 154.
- —, Claus, 1861, p. 10; Olsson, 1869, p. 48.
- —, Stp. & Lott, 1861, p. 403; pl. XIII, fig. 28.
- —, var. sigmoides, idem, p. 404.
- —, Claus, 1868, a, p. 16; pls. III, IV (♂ first described).
- —, Metzger, 1868, p. 106 (larva first described).
- —, Beneden, 1870, pp. 53, 58, 56, 59, 82.
- —, Claus, 1875, p. 350 (embryology).
- —, Pearson, 1906, p. 28.

- — —, Rathbun, 1884, p. 492.
- — —, Carus, 1885, p. 371
- — —, I. C. Thompson, 1889, p. 63; pl. VIII, figs. 1-6.
- — —, Bedaschenko, 1893,
- — —, —, 189. : 1898, 320 pp; 6 pls; 10 text f.
- — —, I. C. Thompson, 1895, b, p. 118; pl. XXVI, fig. 7.
- — —, B. Smith, 1899, p. 487; 1896, a, p. 160
- — —, T. Scott, 1900, p. 161; pl. VII, figs. 11-12.
- — —, A. Scott, 1901, p. 33; pls. IV, V, (full develop<sup>3</sup>t)
- — —, Brian, 1902, p. 34.
- — —, Cuvier, 1830, p. 256

Lernaeocera branchialis

card 3

- , Kabata, 1970, p. 31, fig. 36, p. 95-6, fig. 97,  
p. 104, 105, 115, 121
- , Polianskii, 1955, p. 92-
- , Stephensen, 1940, p. 7 ; Lernaea b. Scott is a syn.
- , Boer, 1970-2, pp. 5, 6, 9, 10, 11, 12, pls. 1+2
- , Brian, A., 1939, pp. 4, 7, 8,
- , Lewis, 1969, p. 67
- , BASHIRULLAH, 1975: 248, 249
- Stuardo & Fagetti, 1960: table

Leraeocera <sup>n</sup>brachialis (L.)<sub>x</sub>

card 4

--, Kabata, Z., and J. Ho, 1981, p. 386

--, Szidat, 1973, p. 122

-- DO ET AL. 1984:23

-- SPROSTON 1942:441-466, FIGS. 1-5.

-- BERLAND + MARGOLIS 1983:281

-- KOGA 1973:32, FIG. 2-10.

-- KOGA 1984:119, FIG. 10-10; 123

-- BRESCIANI + LÜTZEN 1961:357, 364

-- BOXSHALL 1974:699

LERNAEOCERA BRANCHIALIS (L.)

CARD 5

- CHANG-PUX 1960: 69, 82
- STEKHOVEN + PUNT 1937: 648-667, FIGS. 1, 2
- GRAINGER 1951: 142
- PERKINS 1983: 70, 85
- RAIBAUT ET AL. 1971: 184, 188, HOSTS MERLUCCIVUS  
MERLUCCIVUS + TRISOPTERUS MINUTUS, CAPELANUS,  
GULF OF TUNIS
- JONES, D. H. + MATTHEWS 1968: 183-
- SEBASTIAN 1968: 139

Lernaeocera branchialis (L.)

card 6

-- Kabata 1988: 82, Fig. 37A, host records - Canada

-- Schram & Anstensrud, 1985: 133

-- Schram, 1987: 288

-- P. J. WHITFIELD ET AL. 1988: 579-586, HOST  
WHITING, SUFFOLK, ENGLAND

-- GRANT, H. J. & WHITFIELD 1988: 597-605, FIGS. 1-7,  
HOST FLOUNDER, SUFFOLK

-- J. A. SMITH & WHITFIELD 1988: 607-616, FIGS. 1-7,  
HOST FLOUNDER, SUFFOLK

Lernaeocera branchialis (L.)

card 7

- Anstensrud 1989a:47-50, Platichthys flesus, Norway
- Anstensrud 1989b:465-476, figs. 2-7, on flounder,  
Norway

-- ANSTENSRUD 1990a: 141-158, FIGS. 1, 3, NORWAY

-- ANSTENSRUD 1990b: 280

-- ANSTENSRUD 1990c: 245-258, NORWAY

-- ANSTENSRUD 1990d: 627-638, NORWAY, HOST  
GADUS MORHUA

-- HONMA & HO 1988: 41-

Lernaeocera branchialis (L.)

card 8

-- Nagasawa & Maruyama 1987:994

-- BRON ET AL. 1991: 210 -

-- ANSTENSRUD 1992: 31-40, MATE GUARDING; EX FLOUNDER  
NORWAY; = LERNAEOCERA OBTUSA

-- BOXSHALL 1992: 351-, FIG. 4 D-G, 14E

-- LÜLING 1953: 15-, FIG. 9, 10

-- KABATA 1992: 99-, FIG. 23A-F, DIAGNOSIS, KEY

-- RAIBAUT 1985: 250 -

-- LÜLING 1953: 24

LEANAEOCERA BRANCHIALIS (L.)

CARD 9

-- BOXSHALL 1990: 211; FIG. 3

-- BEN HASSINE, RAIBAUT, BEN SOUISSI & ROUSSET 1990: 12

-- BOXSHALL 1986: 224

*Lernaeocera caparti* Machado-Cruz

1959---pp. 7-12, 2 figs.

Lernaeocera catostomi Krøyer, ♀. Caligoida.

— — Krøyer, 1863, p. 321: pl. 18, §, 4, a-e.

A synonym of Lernaea catostomi,  
(Wilson, 1917, b, p. 195).

Lernaeidae-Caligoida

*Lernaeocera centropristi* Pearse

Pearse, A.S., --1947, pp. 12-14, figs. 46-51.

not Lernaeocera but Lernaeenicus - see letter from Kabata Mar. '63

-- -- Kabata, 1965, p. 351-360.

-- ZWERNER & LAWLER 1972: 84, = LERNAENICUS

RADIATUS

Lernaeidae. Lernaeoidea

Lernaeocera cruciata Le Sueur, ♀,

— — Le Sueur, 1824, p. 286: pl. 11, fig. 4.

A synonym of Lernaea cruciata.  
(Wilson, 1917, b, p. 196)

Loeruaocera cyclopterna, Blainville, ♀. Lernaeidae.

—, Blainville, 1823, p. 376.

A synonym for Haemobaphes cyclopterna.

Lernaeocera cyprinacea (Linnaeus) ♀.

— — Blainville, 1822, p. 377.

A synonym for Lernaea c\_\_\_\_\_.  
(Wilson, 1917, a, p. 39).

Lernaeidae. Caligoida.  
Lernaeocera diceracephala Cunnington f.

—Cunnington, 1914, p. 824 pl. 1, figs. 1-3,

A synonym of Lernaea d—  
(Wilson, 1917, a, p. 38),

Lernaeocera esocina Hermann, ♀, Caligoida,

Lernaea — Hermann, 1783, p. 44: pl. 2, f. 6,

A synonym of Lernaea esocina,  
(Wilson, 1917, a, p. 195),

Lernaeocera gasterostei, Brühl, ♀. Lernaeidae.

—, Brühl, 1860, p. I. : pl. II, figs. 1-10.

—, Heller, 1865, p. 246.

—, Beneden, 1870, p. 39.

—, B. Smith, 1899, p. 481.

Host, Gills of Gasterosteus aculeatus.

a synonym of L. esocina.  
Europe. See

Lernaeidae. Caligoida.  
Lernaeocera godfroyi (Quidor), ♀

Lernaea — Quidor, 1912, p. 210: pl. 2, f. 23a & 23b.

Lernaeocera — Wilson, 1917, a. p. 85 (key).

— — Wilson, 1920, p. 13 L.

Host. Gills of Cottoperca dolloi.

Antarctic Ocean.

Lernaeidae. Caligoida.  
Lernaeocera haplocephala Cunningham, ♀.

— — Cunningham, 1914, p. 826: pl. 1, f. 4-7.

A synonym of Lernaea haplocephala.  
(Wilson, 1917. b, p. 195).

Lake Tanganyika.

Loemaeocera lagenula, Heller, ♀. <sup>Loemaeidae.</sup>

—, Heller, 1865, p. 246; pl. XXIV, fig. 9.  
—, B. Smith, 1899, p. 481.

A synonym of Loemaea lagenula.  
(Wilson, 1917, b, p. 195).

Lernaeidae. Caligoida.

Lernaeocera lotellae (Thomson) ♀.

Lernaea — Thomson, 1889, p. 369; pl. 28, f. 3, 3a.

— — B-Smith, 1899, p. 487.

Lernaeocera — Wilson, 1917, a. p. 84 (key).

Host. Gills of red cod, Lotella bacchus.

New Zealand.

Lernaeidae. Caligoida.  
*Lernaeocera lumpi* (T. Scott), ♀.

*Lernaea* — T. Scott, 1901, p. 128: pl. 7, 8, 12.  
— — B-Smith, 1903, p. 109.

*Lernaeocera* — Wilson, 1917. a. p. 84 (key).  
-- SPROSTON 1942: 455.

Host. Gills of lumpsucker, Cyclopterus lumpus.

British Seas.

Caligoida—Lernaeidae  
Lernaeocera lusci (Bassett-Smith) ♀

- Lernaea — B-Smith, 1896, b, p. 13: pl. 4, fig. 6.  
— — B-Smith, 1896, a, p. 160: 1899, p. 487.  
— — T. Scott, 1905, a, p. 113: pl. 6, fig. 18.  
— — T. Scott, 1904, c, p. 277: pl. 17, fig. 12-13.

Host, Gills of Gadus luscus.

British Seas.

- — A. Scott, 1929, p. 109: pl. 3. f. 195. 1-2.  
— — L. Sharpe, 1934, p. 112, on *Molva molva*.  
— —, Kabata 1960 (host specificity), pp. 133-139  
— —, Kabata 1963. pp. 159-160  
— —, Kabata, 1970, p. 34, 95  
— —, Boer, 1970-2, p. 5, 6, 9, 10, 12, tbl. 1, 2  
— — SPROSTON 1942: 464.  
— — SCHELL 1985: 132.  
— — KABATA 1988: 112, FIG. 47 F  
— — HO & PERKINS 1985: 592 —  
— — J. A. SMITH & WHITFIELD 1988: 614 —

Lernaeocera lusci (Bassett-Smith, 1896)

card 2

-- Eiras & Santos 1992: 91-92, new host record, ex  
Lepidorhombus boscii, off Portugal

-- LÜHNING 1953: 15-, FIG. 9c

-- KABATA 1992: 100-, FIG. 236-H, SYNONYMY, HOST LIST

Lernaeidae - Caligoida

Lernaeocera megacephala A. Scott, ♀.

— — A. Scott, 1929, p. 109: pl. 3, figs. 3-4.

Host. Gills of haddock.

Lernaeidae — Caligoida.  
Lernaeocera minuta (T. Scott), ♀

Lernaea — T. Scott, 1900, p. 161: pl. 7, f. 13,  
— — T. Scott, 1901, p. 128,

— — A. Scott, 1904, a, p. 42: 1904, b, p. 122.

— — B-Smitk, 1903, p. 109.

Host. Gills of Speckled Goby, Gobinus  
minutus,

British Seas.

— — T. & A. Scott, 1972, p. 145: pl. 44, fig. 3.

--, Kabata, 1970, p. 95, 109, 118

--, Boer, 1970-2, pp. 5, 6, 10, tbl. 1, 2

LERNAEA —, KUANG 1991: 344, YUNNAN PROVINCE, CHINA

-- KABATA 1992: 102, FIG. 23I, SYNONYMY, HOST LIST

Lernaeidae - Caligoida

Lernaeocera mulli Leigh-Sharpe, ♀

— — Leigh Sharpe, 1935, p. 109: fig. 2.

Host, Gills of Mullus barbatus.

Lernaeocera obtusa Kabata

1957---pp. 589-590, figs. 4-6.

-- --, Kabata 1960 (host specificity). pp. 133-139  
-- --, Kabata, 1965, p. 104.

-- P. J. WHITFIELD ET AL. 1988: 585, = L. BRANCHIAL

-- ANSTENSRUD 1989b: 465-

Lernaeocera obtusa Kabata

— — Kabata, 1957 (JMBA 36) p. 589-90, fig. 4-5.

North Sea. Intermediate host, lemon sole, Microstomus  
kitt (Walbaum), on gills. Final host, haddock,  
Gadus aeglefinus L., gills.

-- ANSTENSRUD 1992: 31, SYN. OF LERNAEOCERA  
BRANCHIALIS L.

LERNAEOCERA OCULARIS CUV.

--, ACLOQUE, 1899: 203

Caligoida - Lernaeidae.

Lernaeocera pectoralis, Kellicott, ♀.

—, Kellicott, 1882, p. 77, (no figs.)

—, Wilson, 1916, p. 370.

A synonym of Lernaea pectoralis.

Host. Near the fin on Red-finned Shiner,  
Luxilus cornutus.

Lernaeocera phoxinacea, Kröyer, ♀. Lernaeidae.

— —, Kröyer, 1863, p. 325; pl. XVIII, fig. 3a-d

— —, B-Smitk, 1899, p. 481.

— —, Hofer, 1904, p. 184.

a synonym of Lernaea phoxinacea.

Host, Phoxinus marsilii,

from Royal Museum, Copenhagen, by  
exchange with Vienna Museum.

Lernaeidae - Caligoida

Lernaeocera phycidis Leigh-Sharpe, ♀.

— — Leigh-Sharpe, 1933, p. 116: text-fig. 2.

Host. Gills of Urophycis blennoides.  
Plymouth, England.

Lernaeidae. Caligoida-

Lernaeocera pomotidis Krøyer, ♀.

— — Krøyer, 1863, p. 323: pl. 15, §. 5, a-h.

A synonym of Lernaea pomotidis.  
(Wilson, 1917, a. p. 38).

Lernaeocera radiata, Lesueur, ♀.

Lernaeocera, Lesueur, 1824, p. 288; pl. XI, fig. 1.

A synonym for Lernaeenicus radiatus.  
(Wilson, 1917, a. p. 59).

Lernaeidae. Caligoida-

Lernaeocera rigida (Krøyer), ♀.

Lernaea — Krøyer, 1863, p. 320: pl. 18, fig. 2, a-b.

—— B. Smith, 1899, p. 487.

Lernaeocera — Wilson, 1917, a. p. 84 (key).

Host. Undetermined.

Valparaiso.

Lernaeidae - Caligoida

Lernaeocera senegali Zimmermann.

— — Zimmermann, 1922, p. 106: pl. 2, f. 1-12

A synonym of Lernaea senegali.

Loemaeocera surviridis, Blainville, ♀.

— —, Blainville, 1822, p. 376, pl. XXVI, fig. 2.

A synonym for Loemaeenicus sprattae.  
(Wilson, 1917, a. p. 56).

This was named for Mr. Surviray and is spelled in all sorts of ways by different authors.

(over)

L. surviracis, Blainville, 1822, p. 376.

L. surviracis, M-Edwards, 1840, p. 525.

L. surviracis, Stp & Ltk, 1861, p. 398.

As Blainville was the author of the species  
his spelling of course is the correct one.

Caligoida.  
Lernaeocera temnocephala Cunningham, ♀

— — Cunningham, 1914, p. 827: pl. 1, f. 8-9.

A synonym of Lernaea temnocephala.  
(Wilson, 1917, a. p. 39).

Dermaocera tenuis New Species. ♀.

— Wilson, 1916, p. 366: pl. 73, fig. 102-7.

A synonym of Dermaea tenuis.  
(Wilson, 1917, a. p. 38).

Lernaeocera tortua, Kellicott, ♀.

—, Kellicott, 1881, p. 41; pl. I, figs. 1-3.

—, Fowler, 1912, p. 477.

—, Wilson, 1916, p. 368; pl. 74, fig. 111-113.

A synonym of Lernaea tortua.

Host. In tumors on the external surface of  
Amiurus catus,  
New York State.

Lernaeidae. Caligoida.

Lernaeocera variabilis Wilson, ♀.

— Wilson, 1916, p. 365: pl. 72, fig. 90-101.

Transferred to genus Lernaea,  
(Wilson, 1917, p. 38).

Lernaeidae - Caligoida

Lernaeocera weneri Kurtz, ♀

— — Kurtz, 1923, p. 328: pl. 1, figs. 1-11.

Host. Distichodus niloticus Linnaeus.

Nile River

Lernaeocera wilsoni Schuurmans Stekhoven

-- -- Schuurmans Stekhoven, 1936

A synonym of L. branchialis, cf. Kabata, 1961, Crustacena  
2(3):243-249.

Lernaeocera-larven

--, Boer, 1970-2, tbls. 1,<sup>2</sup> pp. 9,10

LERNAEOCERIDAE Gurney, 1933

Gurney, 1933

- KABATA 1972: 321-, KEY TO GENERA

- Kabata 1979 : 287-299  
syn. Pennellidae

Lernaeoceridae Gen, sp. larvae  
Kazatchenko. & Ardeev, 1977:41 fig 7.