

ⁱⁿ
Lernaea, valid. Caligoida - Lernaeidae.

Linnaeus, 1746, L.

Syn. Lernaea Linnaeus, 1758, p. 655.

Schisturus (pars) Oken, 1816, p. 182.

Lernaeocera (pars) Blainville, 1822, p. 375.

Lernaeocera (pars) Nordmann, 1832, p. 123.

Lernaeocera subsequent authors.

Λέρνη, The fabled abode of the hydra,
a forest or marsh near Argos.
in which dwelt the hydra, a water serpent with 7 heads.

Head globular with strong branching horns; neck cylindrical, chitinous, often quite long. Thorax unsegmented, v gen. segt elongate, worm-like, bent into an S-shape; no distinct abdomen. Egg-tubes long and convoluted.

Prehensile antennae with stout forceps or chela in ♂. Mouth-tube with mandibles + pulp-like maxillae; one pair of mxp ds.

Four pairs of thoracic legs placed close behind v head; first two biramous, 3rd + 4th uniramous, all with plumose setae.

Lernaea Wilson, 1917, p. 36.

Lernaeocera T. & A. Scott, 1913, p. 154.

Lernaea Linnaeus

CARD 2

- Kabata 1983: 69, 75.

- SCHRAM 1986: 448

- CHANQUEUX 1960: 95

- FRYER 1978a: 345, 352-3, 364

- GRABDA 1963: 169

- CRESSEY 1983: 260-262

- THATCHER & PAREDES 1985a: 171

- FRYER 1986: 153

- KABATA 1988: 110, DIAGNOSIS/KEY TO SP. - CANADA

Lernaea Linnaeus

card 3

- Kabata 1988b: 2, origin of name

- LÜHING 1953: 15 -

- KABATA 1992: 211, DIAGNOSIS

- OLDEWAGE (DATE?): -

Lernaea

Note on the differences between copepods of the genus Lernaea and other Lernaeids.

Gnanamuthu, 1956, Jour. Madras Univ. B,
vol. 26, no. 3, pp. 423-425.

-- Whitaker & Schlueter, 1975, p. 446-450

Loernea.

Linnaeus.

—, 1744, p. 99. No. 195.

Body slender, with a perforated front: two tentacles, ear-shaped.

Lepus marinus, Col

Hindoo Carassii.

Le Livre de Mer.

— sp A. Dollfus, 4. sent. 1960 : 174

— sp B " " " "

Lernaea abyssicola, Brady, ♀

— —. Brady, 1883, p. 137; fig. 4 (text).

— —. B. Smith, 1903, p. 109.

— —. KABATA 1988b: 7, ORIGIN OF NAME

A synonym of Lernaeocera abyssicola.
(Wilson 1917a, p. 84).

Lernaea adunca, Ström, ♀.

— —, Ström, 1762, p. ; pl I. figs. 7+8.

A synonym for Clavella adunca.
(Wilson, 1917, a, p. 39).

Lernaea anomala, Abildgaard, ♀.

— —, Abildgaard, 1794, p. 57; pl. VI, fig. 2.

A synonym for Clavella anomala.
(Wilson, 1917, a, p. 39).

Lernaea anomala Wilson, ♀

_____ Wilson, 1918¹, p. 194: pl. 14, figs. 68-70, 73, 74.

A synonym of Lernaea insolens.

Lernaea arcuata Soejanto, 1965

-- S. Thomas & Hameed 1988: 34

Lernaea asellina - see Lernentoma

Lernaea bagri Harding

----- Harding, 1950, pp. 12-13, figs. 40-43.

From Bagrus meridionalis, Lake Nyasa, Africa.

-- Fryer, 1966, p. 200

-- FRYER 1956b: 309-312, HOST BAGRUS MERIDIONALIS,
LAKE NYASA

Lernaeidae - Caligoida

Lernaea (Lernaeocera) barbicola Leigh-Sharpe ♀

— —, Leigh-Sharpe, 1930, p. 334; text-figs. 1-6

— —, Monod, 1932, p. 360:

— —, Harding, 1950, p. 23, fig. 89

— —, Hutchinson, et. al. 1932: 36.

-- SPROSTON 1942: 454.

Host. Caudal myomeres of *Barbus*, sp.
Transvaal.

Lernaea barilii Harding

----- Harding, 1950, pp. 15, figs. 47-60. On flank
and tongue of Barilius microlepis Günther
from Lake Nyasa, Africa.

--- ---, Fryer 1964. p. 97

-- FRYER 1956b: 316

Lernaea barnimiana (Hartmann) ♀

Lernaeocera barnimiana Hartmann, 1865, Naturges.-med. Skizze Nillander: 206.

" barnimii Hartmann, 1870, p. 726, pls. 17-18; 1871 (S.B. naturf. Fr. Berl.: 60).

~~Lernaeocera~~ Temnocephala Cunnington, 1914, p. 827, pl. 1, figs. 8-9, text-fig. 1c.

Lernaea barnimii, Wilson, 1917a, p. 38; 1917b, p. 196, pl. 15, fig. 94

Lernaea temnocephala, Brian, 1940, Boll. Idrobiol. Caccia Pesca, 1:50, pl. fig. A-F.

Lernaea barminii, Monod, 1932, p. 360.

Lernaea barminiana, Capart, 1944, Bull. Mus. Hist. nat. Belg. 20 (24): 2
text fig. I.

— —, Harding 1950, pp. 8-10, fig. 13-28 (synonymy, places temnocephala in synonymy.)

Hosts: Labes niloticus Cuvier, Labio forskalii Rüppell; Nile River, Lake Edward, Africa

-- --, Fryer 1961. p. 49

-- --, Fryer 1964. p. 97

· 30-31

-- --, Fryer 1961. pp. 276-279, 281-283, 284; fig. 1-9

-- --, Dollfus, 1960: 172

--, Kabata, 1970, p. 83

-- FRYER 1978a: 356

-- FRYER 1956b: 315, HOSTS BARBUS EURYSTOMUS,
LAKE NYASA

-- RAIBAUT 1985: 253-

Lernaeopodidae. Lernaeopodoidea

Lernea basteri Blainville, ♀.

Caligus Baster, 1765, vol. 2, p. 138: pl. 8, fig. 2.

Lax-lusen Gissler, 1757, p. 185: pl. 6, figs. 1-5.

Lernea basteri Blainville, 1822, p. 437.

This was probably Salmincola salmonea

Host. unknown.

— — Wilson, 1917, 6, p. 39.

Lernaea bengalensis Gnanamuthu, 1951

S. Thomas & Hameed 1988: 34-35.

Lernaea bhadraensis Seenappa, Manohar & Shetty, 1980

-- S. Thomas & Hameed 1988: 34

Lernaeidae - Caligoida

Lernaea bichiri (Kurtz) ♀.

Lernaeocera - Kurtz, 1922, p. 332: pl. 2, f. 1-11. ³

Lernaea - Monod, 1932, p. 360.

Synonym of L. haplocephala (Cunnington, 1914) - Harding 1950, p. 18

Host. Polypterus bichir Geoffroy.

Lernaea bistricornis Harding

- --- Harding, 1950, p. 21-22, figs. 84-88. (base of
pelvic fin of Cardio-pharynx schoutedeni Poll,
Lake Tanganyika.

Lernaeidae - Caligoida

Lernaea brachycera Yü, ♀

— — Yü, 1938, p. 110: fig. 3, h-k.

Host Flesh, *Ophiocephalus argus*.

Lernaea branchialis Linnaeus, ♂. ♀.

— — Linnaeus, 1767, p. 1092.

Lernaeocera — Blainville, 1822, p. 376: pl. 0, f. 1.

Lernaea — Timm, 1894, p. 397.

A synonym of Lernaeocera —
(Wilson, 1917, a, p. 85).

—, Kroyer, 1863, translation, p. 392

— — Thompson, 1893, p. 212: pl. 26, f. 7.

Lernaeocera branchialis, Stekhoven, 1936, T XVIII,

P. 157-161

--, Giard, 1895, p. 3, Baculus elongatus

may be a young stage of this sp.

--, Stephensen, 1940, p. 7, a syn. of Lernaecera b.

- Tempere, 1898: 225; pl 29, fig 17

Lernaea branchialis (continued)

— — —, Var. Sigmoidea, Stp. & Ltk. ♀.

— — —, Stp. & Ltk., 1861, p. 404; pl. XIII, fig. 29.

Lernaea godina, Fabricius, 1780, p. 336.

— branchialis, A. Scott, 1904, b, p. 121; 1904, a, p. 41.

— — —. M. J. Rathbun, 1905, p. 100

— — —. Stephensen, 1913, p. 348.

— — —. Rathke, 1843, p. 129

— — —. T. Scott, 1906, b, p. 370.

— — —, Sposton 1942 → 1941?

— — —, Szidat, 1955, pp. 15-16. Merluccius merluccius & M. bilinearis. N. Atlantic.

Lernaea branchialis Guérin, 1829-44, pl. 9, §, 1.

— — Guérin, Encyc. Brit. 7^o Edit, vol. 21, pl. 502, §, 13.

Lernaeocera — Wilson, 1920, p. 13 L.

— — Hansen, 1923, p. 40.

— — A. Scott, 1929, p. 106: pl. 3. figs. 5-7.

— — Wilson, 1932, p. 486: fig. 292.

— — L. - Sharpe, 1934, p. 112 on Merluccius merluccius

— — Pesta, 1934, p. 40: fig. 24.

— — Spostron & Hartley 1941

— — Spostron 1942

— — Kabata, 1957. On whiting + cod; L. obtusata is parasite of haddock

--- ---, Capart, 1947

--- ---, Capart, 1948

--- ---, Kabata, 1961, pp. 243-249, fig. 1-5. Identity
of European & American specimens.

--- ---, Kabata 1962, pp. 311-317, fig. 1-5

--, Kabata, 1967, p. 872

--, Kabata, 1969, p. 925

--, Stock & Vos, 1960, p. 209

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

-- SCHIMKEWITSCH 1899: III, 113

Lernaea

(Lernea) branchialis

-- Belloc ———: 249, fig 41

Lernaeidae - Caligoida.

Lernaea carassii Tidd. ♀

— — Tidd, 1933, p. 465: pl. 1, figs. 1-8.

— — Chevey & Lemasson, p. 4, 1936, (Tonkin).

Synonym of L. cyprinacea L. - Harding, 1950, p. 6

- - BONNET 1948: 7

Host, Flesh of Carassius auratus, Ohio.

L. carassi, Kabata, 1970, p. 133 (= L. cyprinacea)

(L. carassi)

Lernaeidae Caligoida.

Lernaea catostomi (Krøyer) ♀.

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

— — B-Smith, 1899, p. 481.

— — S.I. Smith, 1874, b, p. 665.

— — Wilson, 1916, p. 369.

— — , Harding, 1950, p. 25 (in diagnostic key)

Host. Catostomus macrolepidotus.

— Reed, 1962: 40, 3 HOSTS, SASKATCHEWAN

Mississippi River.

Lernaecocera Cunningham, 1914, p. 821.

Lernaea — Wilson, 1917, a, p. 38 (key).

— — Wilson, 1918, b, p. 195, MISSISSIPPI RIVER, ST.
LOUIS, MO.

— — Monod, 1932, p. 360.

— — , Delco, 1962, pp. 365-367. Onion Creek, Travis Co., Texas.

Lernaea chackoensis Gnanamuthu

1951---Gnanamuthu, C.P. pp. 143-147, figs. 1-8.

From Osphronemus goramy Lacépède and
Catla catla Cuv. & Val., Madras, India.

-- GRABDA 1963: 170, 173, 177, 189

-- IZAWA 1987: 155 -

-- S. THOMAS & HAMEED 1988: 34

Terpsacidae, ♀
Terpsaca cimbicora La Martinière.

—, La Martinière, 1984, p. II, fig. 6.

a synonym for Terpsaca yikora.
(Wilson, 1917, a, p. 39).

Loerhaea clavata, Müller. ♀.

— —. Müller, 1776, p. 119; pl xxxiii, fig. 1.

a synonym for Periculus clavatus
(Wilson, 1917, a, p. 39).

Caligoida Lernaeidae

Lernaea composita, n. sp.

— — Wilson, 1925, p. 13: pl. 3, figs. 33-37.

— — Monod, 1932, p. 361.

— — , Harding 1950, p. 24 (in diagnostic key)

Host, Malopterrus electricus (Gmelin)

Lernaea cornuta Müller - see Acanthochondria

Lernaea cruciata, ♀. (Lesueur)

Lernaeocera

- . Lesueur, 1824, p. 286; pl. XI, fig. 4.
 — . M-Edwards, 1840, p. 527.
 — . DeKay, 1844, p. 59.
 — . Kellicott, 1880, b, p. 64; pls. I & II.

Lernaea — , Harding, 1950 (in diagnostic key)

Host, Gills of Cichla oenea, Les. and
Ambloplites rupestris,

Toake Forie.

——. B. Smith, 1899, p. 481.

——. Smith, 1874, b, p. 665.

——. Fowler, 1912, p. 477.

——. Wilson, 1916, p. 367: pl. 73, fig. 108, 109;
pl. 74, fig. 110.

——. Cunningham, 1914, p. 821.

Lernaea — Wilson, 1919, p. 196: pl. 15, fig. 84., Iowa

——. Wilson, 1917, a, p. 38.

——. Monod, 1932, p. 361: fig. 9.

--, Wilson, 1960, p. 167

Lernaea cruciata (Le Sueur, 1824)

card 2

-- Kabata 1988: 110, Fig. 46H-I, host records - Canada

-- MUELLER 1937: 414, NEW YORK, HOST AMBLOPHTES
RUPESTRIS

-- REID 1996: 1, 7, DC, USA

Lernaea ctenopharyngodontis Yin

-- Fryer 1978a:352

-- KUANG 1991: 344, YUNNAN PROVINCE, CHINA

Lernaea cyclophora, Blainville, ♀.

— —, Blainville, 1822, p. 438; pl. ~~XXVI~~^{n. n.}, fig. 7.

A synonym of Lernaeenicus sprattae.
(Wilson, 1917, a, p. 39).

Lernaea cyclopterna, Müller ♀.

— — Müller, 1776, p. 226, No. 2745.

— —, Fabricius, 1780, p. 337.

a synonym for Haemobaphes cyclopterna.
(Wilson, 1917, a. p. 39).

Lernaeidae - Caligoida

Lernaea cyprinacea Linnaeus, ♂, ♀.

— — ^{l. Tentaculis quatuor} Linnaeus, 1746, No. 2100: p. 367, fig. 1282.

— — Linnaeus, 1758, p. 655: pl. 2, fig. 1.

— — Linnaeus, 1761, p. 509: pl. 11, fig. 2.

— — Linnaeus, 1767, p. 1093.

Host: Flesh of Cyprinus carassus and
Esox lucius.

Sweden.

- — Barbut, 1783, p. 67.
— — Cuvier, 1790, p. 3144.
— — Manuel, 1792, pl. 78, fig. 6.
— — Turton, 1807, p. 137.
— — Lamarck, 1818, p. 230.
Lernaeocera — Blainville, 1822, p. 377.
— — Desmarest, 1825, p. 346
— — Nordmann, 1832, p. 123: pl. 6, figs. 1-7.
— — Burmeister, 1833, p. 309: pl. 24 A, figs. 1-3.
— — Kröyer, 1837, p. 192.
— — M. Edwards, 1840, p. 527: pl. 40, fig. 16.
— — White, 1850, p. 152 and 1857, p. 333.
— — Olsson, 1869, p. 48.
+ + Baird, 1850, p. 343: pl. 35, f. 13.

L. cyprinacea (2)

— — Hofer, 1904, p. 144. p. 183.

— — T. & A. Scott, 1913, p. 154: pl. 50, figs. 1-5.

— — Garbini, 1895, p.

Lernaea c —, Cuvier, 1830, vol. 3, p. 256 (foot-note)

Schisturus cyprinaceus. Oken, 1816, p. 183.

Lernaeocera — B-Smith, 1899, p. 480.

— — Poche, 1902, p. 16.

— — Schneider, 1910, p. 112.

Lernaea — Wilson, 1918, p. 196; 1917^a, p. 39,

Lernaeocera Cunnington, 1914, p. 820.

— — Scourfield, 1903, p. 540.

- Lernaea - Gurney, 1933, p. 338; figs. 1969-1983.
- — Markewitsch, 1934, p. 78: fig. 52
- — Monod, 1932, p. 362: figs. 11-12.
- — Markewitsch, 1934, p. 234.
- — Pesta, 1934, p. 42: fig. 25
- — Wagler, Tierwelt Mitteleuropas, Aust. 2, 2a: 179, text-fig. 542, 1937
- — Markewitsch, Cop. Parasit. Binnengewäss. U.S.S.R., Kiev: 98, pl. 8. 1937
- — Yamaguti, 1939 - Vol. Jubil. Prof. S. Yoshida 2: 475, pl. 30, fig. 156-165.
- — Okada, 1927 - Annot. Zool. Jap. Tokyo 11: 185, text-figs 1-2.
- — Harding 1950, p. 6-8, figs 2-12. (includes as synonyms L. elegans Leigh-Shaype
and L. carassii Tidd)
- — Uzman & Rayner, 1958. J. Parasit. 44: 452. Hosts in Wash. & Oreg.
- — Fryer 1961; pp. 49-50
- — Fryer 1961. pp. 279-281, 283-285; Fig. 21-29, 32, 10-20
- — Fryer, 1966, p. 200

Lernaea cyprinacea Linne', 1758

card 3

- , Grabda & Grabda, 1959, pp. 186-7
- , Kabata, 1970, fig. 42, p. 80, 83, 84, 93, 104, 120, 124,
133, 150
- , Yamaguti, 1936, pt. 2, p. 1
- , Ejsymont, 1970, p. 200
- , Rainbaut & Hassine, 1977, p. 836
- , Whitaker & Schlueter, 1975, p. 446-450
- Markevich, 1933 : 14-16 , fig. 7
- , AULOQUE, 1899: 203, as LERNAEOCERA CYPRINACEA
- DO ET AL. 1984: 23, 24

Lernaea cyprinacea Linné, 1758

card 4

-- Koga 1973: 32, Fig. 2-6; 35, 36.

-- KOGA 1984b: 119, FIG. 10-6; 123-124, FIG. 125-1-16;

FIG. 61 (26) - NAUPLIUS

-- FRYER 1978a: 353-356, FIGS. 7, 8a, b; 365

-- GRABDA 1963: 169-198, FIGS. 1-13, PLATE I, DEVELOPMENT;

p. 171 - HOST LIST, POLAND

-- IZAWA 1987: 155 -

-- CRESSEY 1983: 253, FIG. 1(3)

-- SHIELDS & TIDD 1968: 87-95, FIGS. 1-8, HOST

CARASSIUS AURATUS

Lernaea cyprinacea L., 1758

card 5

-- Kabata 1988: 110, Fig. 46F, G; host records-Canada

-- DECHTIAR ET AL. 1988: 26, LAKE HURON

LERNAEOCERA -, NERESHHEIMER 1909b: 77, FIG. 326, GERMANY

-- J. B. JONES 1988: 626

-- FRYER 1982: 30-31, FIGS. 20-25, BRITAIN

-- FRYER 1956b: 316

-- BLINN & COLE 1991: 91, COLORADO RIVER, ARIZONA

-- SHARIFF ET AL. 1986: 393-401, SEVERAL HOSTS, MALAYSIA,

FIG. 1.

Lernaea cyprinacea L., 1758

card 6

- Nagasawa et al. 1987: 39-, host list, Japan
- NAGASAWA ET AL. 1989: 17-, HOST LIST, JAPAN
- URAWA ET AL. 1980 b: 946
- KUANG 1991: 344, YUNNAN PROVINCE, CHINA
- LÜNING 1953: 15-
- KABATA 1992: 211; FIG 45 F, G, SYNONYMY,
HOST LIST, DISTRIBUTION
- J. THOMAS & HAMEED 1988: 32, 39
- NAGASAWA 1994: 83-, REVIEWS RECORDS, HOKKAIDO

Lernaea cyprinacea L., 1758

card 7

- Rogers 1968: 393-398, development on goldfish, Alabama
- RAIBAUT 1985: 235 -, FIG 2, DEVELOPMENT
- HUMES 1994: 1
- AUVENANT, LOOTS & VAN AS 1989: 150
- BURRIS & MILLER 1972: 19, TAB. 1, NORTH CAROLINA, USA
- BOKSHALL, MONTU' & SCHWARZBOLD 1997: 195, 201-204

Lernaeidae-Caligoida

Lernaea cyprinacea brachycera Yung-Tsu Hu

Yung-Tsu Hu, --- 1948, pp. 90.

Lernaea cyprinaeaa chackoensis

--, Fernando & Hanek, 1973, pp. 65, 66, fig. 7

Lernaeidae-Caligoida

Lernaea cyprinacea elegans Yung-Tsu Hu

Yung-Tsu Hu, 1948, pp. 87-89.

-- --, Ho 1961. pp. 144-145, fig. 1-3

Lernaeidae-Caligoida

Lernaea cyprinacea macropodi Yung-Tsu Hu

Yung Tsu Hu, -- 1948, pp. 90,92. figs.8-16.

Lernaeidae-Caligoida

Lernaea cyprinacea mastacembeli Yung-Tsu Hu

Yung-Tsu Hu, --- 1948, pp. 92-93, figs. 17-23.

Loermaxa dalmanni, Retzius, ♂. ♀. ^{Lernaeopodiidae.}

— —, Retzius, 1831, p. 617; pl. VI, fig. 5.

a synonym of Charopinus dalmanni.
(Wilson, 1917, a. p. 39).

LERNAEA DEVASTATRIX BOXSHALL, MONTU' & SCHWARZBOLD,
1997

-- BOXSHALL, MONTU' & SCHWARZBOLD 1997: 195-204,
FIGS. 1-5, N. SP., RIO GRANDE DO SUL, BRAZIL; HOSTS
HOPLIAS MALABARICUS, ETC.

Caligoida - Lernaeidae.

Lernaea

diceracephala (Cunnington)♀

Lernaeocera

—, Cunningham, 1914, p. 824: pl. 1, figs. 1-3.

Lernaea - Wilson, 1916, p. 194: pl. 15, fig. 96.

— — Wilson, 1917a, p. 38 (key),

— — Monod, 1932, p. 362.

△ —, Capart, 1944, p. 7

Host, Gill arches of Clarias mossambicus

— —, Harding, 1950, pp. 11-12, figs. 35-39.

Lake Tanganyika.

-- --, Fryer 1964. p. 98

Hernacia Diodontis, Oken, ♀,

—, Oken, 1815-6, p. 184.

Pennella d-, idem, p. 358.

a synonym for Pennella diodontis,
(Wilson, 1917, a, p. 39);

Toernuaea dolobrodes New Species. f. ^{Caligoida - Lernaeidae.}

— — Wilson, 1918, ¹⁹⁵ B, p. 194: pl. 14, fig. 71, 72, 75-78.
— — Monod, 1932, p. 363: fig. 9. No. 8.

Host, Toepomis pallidus - Bluegill
Near dorsal fin -

Lake Pepin - Wis.

Lernaeidae - Caligoida

Lernaea elegans Leigh-Sharpe, ♀.

- — Leigh-Sharpe, 1925, p. 245: 5 text-figs.
- — Nakai, 1927, p. 39: pls. 1-4: 7 text-figs
- — Matsui & Kumada, 1928, p. 101: pls. 5-7.
- — Monod, 1932, p. 363.

Host. Cyprinus carpio: Carassius auratus
Pseudorasbora parva: Misgurnus anquillicauda-
tus: Chaenogobius macrognathus: Plecoglossus
altivelis = Oryzias latipes: Anguilla japonica

- Lernaea cyprinacea*, Ishii, 1915, p. 459
— — Okada, 1927, p. 185: 2 text-figs.
-- , Yamaguti, 1936, pt. 2, p. 1
-- GRABDA 1963: 170
-- SHARIFF ET AL. 1986: 399

Lernaea elongata Grant - see Ommatokoita

Kormaea encraeae Tanton, ♀.

—, 1807, Tanton, p. 137.

A synonym of Kormaeae encraeae.
(Wilson, 1917a, p. 39).

Lernæa esocina, ^{Caligoida} Hermann ♀. Lernæidae.

Lernæa e—, Hermann, 1783, p. 44; pl. II. fig. 6.

Lernæocera e—, Burmeister, 1833, pp. 312, 320.

— —, Kröyer, 1837, p. 192.

— —, M-Edwards, 1840, p. 527; pl. Xb. figs. 13-15.

Host, Gills of Carp, Perch & Roach.

European & American
Lakes.

- , Claus, 1867, p. 5.
—, —, 1868, p. 530 (1).
—, B-Smith, 1899, p. 480.
—: Gadd, 1904, p. 42.
—, Hofer, 1904, p. 145: p. 183.
—, Garbini, 1895, p.
—, Cunningham, 1914, p. 821.
Lernaea — Wilson, 1919, p. 195: pl. 15, fig. 85.
Lernaeocera gasterostei, Brühl, 1860: pl. 2, fig. 1-10.
—, Heller, p. 246: P. J. van Beneden, 1870, p. 39.
—, B-Smith, 1899, p. 481.
Lernaea — Markewitsch, 1934, p. 79: 1934², p. 235
—, Monod, 1932, p. 365: figs. 14, 18, 19.

Lernaea esocina

Lernaea esocina

(2)

— —, Pesta, 1934, p. 44: fig. 26.

— —, Grabda, 1955, p. 369-375, fig. 1. Salmo trutta f. fario. Poland.

--, Grabda & Grabda, 1959, p. 187

--, Kabata, 1970, p. 80, 100, 124

--, ACHOUX, 1899: 203-204, pl. 96 - as LERNAEOCERA
ESOCINA.

-- FRYER 1978a: 1365

-- GRABDA 1963: 169, 174, 177, 181, 185

LERNAEOCERA -, NERESHEIMER 1909b: 77, FIGS. 325,
327, GERMANY

-- LÜLING 1953: 15 -

Lernaea exoceti, Holten, ♀.

——, Holten, 1802, p. 136; pl. III, fig. 3, a & b.

A synonym for Penella exoceti.
(Wilson, 1917, a, p. 39)

Lernaea godfroyi ♀ Quidor -

Lernaeidae.

— —, Quidor, 1912, p. 210: pl. 2, figs. 23a + 23b.

A synonym of Lernaeocera g
(Wilson, 1917, a, p. 85),

Host. Gills of Cottoperca dolloi.

Antarctic Ocean.

Loernaëa gobina, Müller, ♀.

— —, Müller, 1776, No. 2747.

(a synonym of Diocis gobinus)
(Wilson, 1917, a. p. 39).

Ternaea gadi-minuti, Hesse, ♀.

— — Hesse, 1891, p. 191; pl. 7, figs. 1-9.

(This is the larva of Ternaea branchialis
and not a new species) (Wilson 1917, b.p. 40).

Host. Gills of Gadus minutus.

Ternaea godina Müller. ♀

— —. Müller, 1776, p. 226, No. 2743.

— —, Fabricius, 1780, p. 336, No. 325.

Tokuetold, Ström, 1766, vol. I, 209: pl. I. fig. 18.

— —, Bonares, 1770, vol. 8, p. 122.

A synonym of Ternaeocera branchialis.
(Wilson, 1917, a, p. 39).

Caligoida Lernaeidae.

Lernaea haplocephala (Cunnington) ♀.

Lernaeocera

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

Lernaea Wilson, 1919, p. 195: pl. 15, fig. 92,

— — Wilson, 1920, p. 5: pl. 3, f. 20-22.

— — Brian, 1927, c., p. 581: text-fig. 26-33.

— — Capart, 1944, p. 7.

Host. Base of frus - Polypterus senegalus, con-
gicus & birchir.

Lernaeocera dichiri Kurtz, 1923, p. 332 L. Tanganyika & N. Nile.
re. 2, fig. 1-11.

Lernaea haplocephala, Harding, 1950, pp. 18-19

— — Monod, 1932, p. 366: fig. 13.

— —, Dollfus ~~1960~~, 1960: 172

Lernaea hardingi Fryer, 1956

Lernaea sp. cf. lophiara Harding: harding 1950:21-, figs. 81-83, on flank & operculum of Rhamphochromis lucius, Lake Nyasa, Africa.

L. hardingi nom. nov., Fryer 1956b:313, hosts Haplochromis serenus and Rhamphochromis sp., Lake Nyasa

L. h., Fryer 1965:293

L. h., Fryer 1966:200

L. h., Paperna 1969:214

Lernaea hemirhamphi, Kröyer, ♀.

— —, Kröyer, 1863, p. 318; pl. XV, fig. 7a-f.

--, Kröyer translation, p. 392

A synonym for Lernaeolophus hemirhamphi.
(Wilson, 1917a, p. 39).

Lernaea hesarangattensis Srinivasachar & Sundarabai, 1974

-- S. Thomas & Hameed 1988: 34

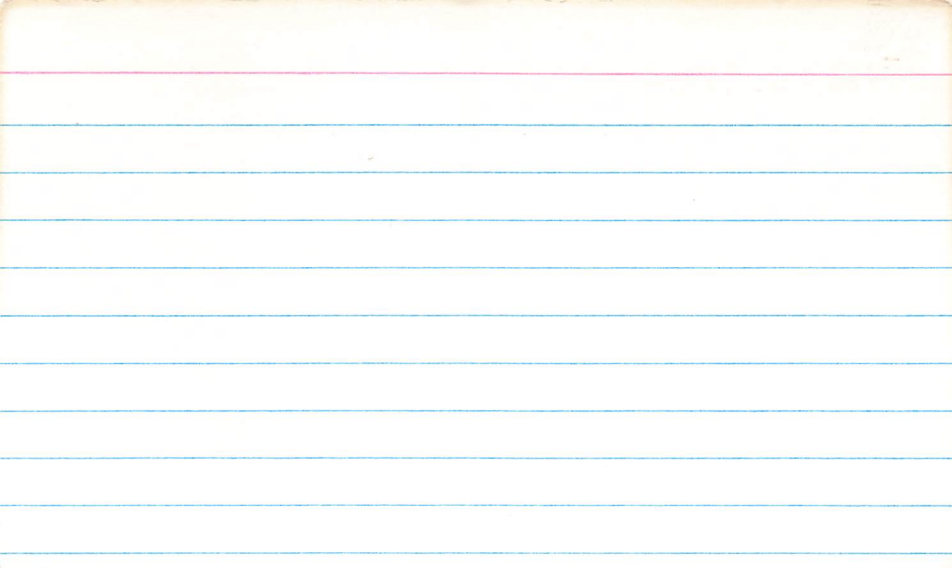
Lernaea huchonis, Schrank, ♀.

— —, Schrank, 1786, p. 99; pl. I, figs A—D.

A synonym for Basanistes huchonis.
(Wilson, 1917, a. p. 39).

Lernaea inflata Fryer

-- --, Fryer 1961. pp. 50-52, fig. 11-21



Lernaea insolens, New Species. Lernaeidae.

- —, Wilson, 1919, p. 316. 70, 73, 74
— anomala Wilson, 1917, p. 194: pl. 14, figs. 68-
— insolens, Monod, 1932, p. 367.

Host. Micropterus salmoides.

Black Creek, N.C.

Lernaea lagenula (Heller), ♀. ^{Caligoida} Lernaeidae.

Lernaeocera — Heller, 1865, p. 246: pl. 24, fig. 9.

— — B-Smilk, 1899, p. 481.

— — Cunningham, 1914, p. 821.

Lernaea — Wilson, 1918, p. 195.

Host. An undetermined fish.

Brazil.

— — Monod, 1932, p. 368.

Lernaea laterobrachialis Fryer

1959---pp. 524-526, figs. 18-25.

Ergasilidae. Cyclopoida.

Loernaea lavareti, Fabricius, ♀

— —, Fabricius, 1794, p. 21; pl. III, fig. 1.

a synonym for Ergasilus sieboldii.
(Wilson, 1917, a. p. 39).

Lernaea longa Harding

-----Harding, 1950, p. 18, figs. 65-68. In head and
flanks of Lates niloticus longispinus from
Lake Rudolph, Africa.

Lernaea lophiara Harding

666- ---- Harding, 1950, pp. 19-21, figs, 69-80. From
Lethrinops lethrinus, Haplochromis prostoma,
H.sp. cf. micrentodon, Rhamphochromis lucius,
Pseudotropheus tropheops, Diploptaxodon argenteus
Lethrinops praeorbitalis, Haplochromis breviceps
Tilapia melanopleura, Haplochromis argyrosoma,
H. incola, H. johnstoni, H. nigritaeniatus; all
from Lake Nyasa, Africa.

—, Dollfus *et al.*, 1960: 173 figs 1-3

-- FRYER 1956b: 312-313, CICHLIDS, LAKE NYASA

-- S. THOMAS & HAMEED 1988: 34

Lennaea sp. cf. lophiara Harding

---- sp.-cf. ---- Harding, 1950, p. 21, figs. 81-83.

On flank & operculum of Rhamphochromis
lucius, Lake Nyasa, Africa.

L. HARDINGI NOM. NOV., FRYER 1956b: 313-

Lernaea lotae, Hermann, ♀

— —, Hermann, 1783,

Schisturus lotae, Oken, 1816, p. 183.

Lernaea lotae, Wilson, 1917, a. p. 40.

Host, Unknown.

Lernaea lotellae, Thomson. ♀.

— —, Thomson, 1889, p. 369; pl. XXVIII, figs. 3. 3a.
— —, B. Smith, 1899, p. 487.

A synonym of Lernaeocera lotellae.
(Wilson, 1917, a. p. 84).

New Zealand.

Herpidae.

Herpidae lucipercae Richter, ♀

1754

— —, Richter, , p. 767.

Lernaea lumpi, T. Scott, ♀.

—, T. Scott, 1901, p. 128; pl. VII, fig. 12.

—, B. Smith, 1903, p. 109.

A synonym of Lernaeocera lumpi.
(Wilson, 1917, a, p. 84).

Caligoida-Lernaeidae
Lernaea lusci Bassett-Smith, ♀

— — B.-Smith, 1896, a, p. 160.

— — B.-Smith, 1896, b, p. 13: pl. 4, f. 6.

A synonym of Lernaeocera lusci.
(Wilson, 1917, a, p. 85).

Lernaea marionis, Blainville, ♀.

— —, Blainville, 1822, p. 446.

A synonym for Penella sagitta.
(Wilson, 1917, a. p. 39).

Loernaeca merluccii, Holten, ♂. ♀.

——, Holten, 1802, a. p. ; pl. III, fig. 2.

A synonym for Chondracanthus merluccii.
(Wilson, 1917, a. p. 39).

Lernaea minima Otte, 1965

--, Kabata, 1970, p. 81

Lernaeidae-Caligoida.

Lernaea minuta T. Scott, ♀.

— T. Scott, 1900, p. 161: pl. 7, fig. 13.

A synonym of Lernaeocera minuta.
(Wilson, 1917, p. 84).

Ternaea multicornis, Cuvier.

Ternaeidae.

—, Cuvier, 1830, p. 256; Wilson, 1917, a, p. 40.

Never seen or mentioned by any other author
probably a species of Ternaeenicus.

Host. Serranus, sp. on the gills
East Indies.

(over)

Horns small, unequal, 3 in no.

Loernaëa minnii, Richiardi, ♀.

— —, Richiardi, 1880, p. 150 (no description
or figures ever published).

— —, Carus, 1885, p. 371.

Host, Muscles of Smaris vulgaris.

Mediterranean

Termaea nodosa Müller, ♀

— —, Müller, 1776, No. 2749

— —, Müller, 1777, pl. 33, fig. 5.

A synonym for Chondracanthus nodosus.
(Wilson, 1917, a, p. 39).

European Seas.

Lernaea ocularis, Cuvier, ♀.

— —, Cuvier, 1830, p. 256.

A synonym for Lernaeenicus sprattae.
(Wilson, 1917, a. p. 39).

Lernaeidae - Caligoida

Lernaea oryzophila Monod, ♀.

— — Monod, 1932, p. 346: fig. 1, A-F: fig. 2, A-J:
fig. 3, A-I: fig. 4, A-E: fig. 5, A-G: fig. 6, A-C: fig. 10.

— — Capart, 1943 P. 8

-- S. THOMAS & HAMEED 1988: 34

Host. On pectoral fins of Philthypnus marmo-
ratus, locality unknown.

Lernaea osphronemi S. Thomas & Hameed, 1988

-- S. Thomas & Hameed 1988: 32-36, n. sp. female only
Figs. 1-11; ex Osphronemus goramy, Pannivelichara,
Kerala, India

Lernaea palati Harding

----- Harding, 1950, pp. 16-17, figs. 61-64. Roof of mouth of Haplochromis chrysonotus (Boulenger) from Vua, Lake Nyasa, Africa.

-- FRYER 1956b: 314-315, HOSTS HAPLOCHROMIS SPP.,
LAKE NYASA

Lernaeidae - Caligoida

Lernaea parasiluri Yü ♀.

— — Yü, 1938, p. 107: fig. 2, 1-0.

-- --, Ho 1961. pp. 145-157, fig. 4-16

Host Flesh, *Parasilurus isotus* Linn. - China

Lernaeidae - Caligoida

Lernaea parasiluri Yamaguti ♀

— — Yamaguti, 1939, p. 477: pl. 31, figs. 166-173
(desc. independently from L. s. Yü, 1938)

Host Gills, *Parasilurus asotus*

Lake Suwa, Japan.

Loemaea pectoralis, Müller, ♀, ♂.

——, Müller, ^{1777,} 1776, p. 41, pl. xxxiii, fig. 7.

A synonym for Loepophtheirus pectoralis.
(Wilson, 1917. a. p. 39).

Lernaea pectoralis (Kellicott), ♀

Lernaeocera — Kellicott, 1882, p. 77.

— — Wilson, 1916, p. 370,

Lernaea Wilson, 1918, ~~6~~, p. 195

— — Monod, 1932, p. 369.

Syn. of L. catostomi (Krøyer) — cf. Harding, 1950, p. 24

Host. Axilla of redfin shiner, Moxostoma
macrolepidotum

Mississippi River.

Caligoida

Lernaeidae.

Lernaea phoxinacea (Krøyer), ♀.

Lernaeocera — Krøyer, 1863, p. 325: pl. 18, fig. 3, a—d.

— — B. Smith, 1899, p. 481.

— — Hofer, 1904, p. 184.

— — Cunningham, 1914, p. 821

LERNAEOCERA —

— — NERESHEIMER 1909: 77, FIG. 328, GERMANY

Host. Phoxinus phoxinus

European Seas.

Lernaea — Wilson, 1918, p. 195.

— — Monod, 1932, p. 370.

— — Pesta, 1934, p. 45: fig. 27.

— — FRYER 1978a: 365

Lernaea pinnarum, Fabricius, ♀.

— —, J.C. Fabricius, 1779.

Schisturus p.—, Oken, 1816, p. 183.

A synonym of Clavella uncinata.
(Wilson, 1917, a. p. 39).

Lernaea piscinae Harding

----- ----- Harding, 1950, pp. 10-11, figs. 29-34.
On Hypophthalmichthys nobilis (Richardson),
fish farm at Singapore.

-- GRABDA 1963: 187

Lernaeidae - Caligoida

Lernaea polymorpha Yü, ♀

— — YÜ, 1938, p. 105; fig. 1, a-g.

-- FRAYER 1978a: 353

-- KUANG 1994: 344, YUNNAN PROVINCE, CHINA

-- S. THOMAS & HAMEED 1988: 34

Host, Fish, *Hypophthalmichthys molitrix*, Cuv. & Val.

Canton, China

LERNAEA POMOTIDIS (KROYER)

-- BURRIS + MILLER 1972:19, TAB. I, NORTH
CAROLINA, USA

Lernaeidae Caligoida

Lernaea ranae Stunkard & Cable, ♀.

— — Stunkard & Cable, 1931, p. 92: pl. 8, figs. 1-9. —

HOST RANA CLAMITANS, CINCINNATI, OHIO

—, Kabata, 1970, p. 37

Host. Flesh of frogs.

Lernaeidae-Caligoida

~~Lernaea rhodei Yung-Tsu Hu~~

Yung-Tsu Hu, -- 1948, pp. 93-96, figs. 1-7.

Lernaea rigida, Kröyer, ♀.

—, Kröyer, 1863, p. 320: pl. XVIII, fig. 2 a-b.
—, B. Smith, 1899, p. 487.

A synonym of Lernaeocera rigida.
(Wilson, 1917, a, p. 84).

—, Kroyer, 1863 translation, p. 394-5.

Lernaea quadrinucifera

--, Yin, 1949, p. 39

Lernaeidae. Caligoida.

Lerne radiata De Kay, ♀.

— — De Kay, 1844, vol. 6, p. 60.

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

Ternaea radiata Müller, ♀

— — Müller, 1776, No. 2748.

— — ———, 1777, pl. 33, fig. 4.

A synonym of Chondracanthus radiatus
(Wilson, 1917, a, p. 39).

Lernaea salmonea - see Salmincola salmoneus

Lernaea senegali (Zimmermann)

Lernaeocera — Zimmermann, 1922, p. 106: pl. 2,
Lernaea — Monod, 1932, p. 370

fig. 1-12

Host - Polypterus senegalus - skin - at
Tonga on the Nile River.

Lernaea sieboldii Koch,

— — Koch, 1860, p.

— — BEN HASSINE, 1983: 113, SYNONYM OF

LERNAEOLOPHUS SULTANUS (NORDMANN, 1839)

Adriatic Ocean

Lernaea spratta, Sowerby, ♀.

— —, Sowerby, 1806, p. 17; pl. LXVIII,

a synonym for Lernaeenicus sprattae.
(Wilson, 1917, a, p. 39).

Lernaea squamicola

Hermann

— Hermann 1783: #19

Caligoidae.

Lernaea surprimensis Blainville, ♀.

Lernaeocera — Blainville, 1823, b, p. 117.
Lernaea — Cuvier, 1830, vol. 3, p. 256 footnote.

This is probably another spelling of Lernaeocera surprimensis Blainville, 1822, p. 376, and hence a synonym of Lernaeenicus sprattae.

Lernaea tennocephala (Cunnington) ♀.

Lernaeocera

—, Cunningham, 1914, p. 827: pl. 1, figs. 8 & 9.

Lernaea Wilson, 1918, p. 196: pl. 15, fig. 87.

— — Monod, 1932, p. 371.

— — Brian, 1940

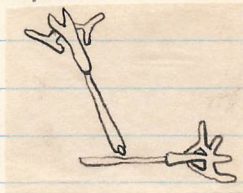
Host. From Barbus bynni

Il. Nile.

Lernaea tentaculis quatuor, Linnaeus,

———, Linnaeus, 1746, p. 367: pl. II. fig. 1283.

(A synonym for
Lernaea cyprinacea)
 (Wilson, 1917, a. p. 39).



Host, Cyprinus carassius,

a finger's diameter in length. Body slender,
subtransparent, toward v base coming out of a
white tunic like a prepucis.

Abdomen armed toward v apex with 3 obtuse
tubercles, one of which is larger than v others.

Mouth opening anterior; just behind it two
soft processes, & next these, on either side
of the anus a soft process, lamellate externally.
This anterior part is covered with a white tunic.

(Linnaeus 1746)

Therapsidae: Calligoida.

Iernaea tenuis (Wilson), ♀.

Iernaecocera — Wilson, 1916, p. 366: pl. 73, fig. 102-107.

Iernaea — Wilson, 1917a, p. 38.

— Wilson, 1918, b, p. 196: pl. 15, fig. 89.

— Monod, 1932, p. 371.

Host. Aploclinotus grunniens.

Trinport, Iowa.

Lernaea tilapiae Harding

----- Harding, 1950, pp. 13-15, figs. 44-46.
Mouth and gills of Tilapia squamipinnis and
T. lódole, Lake Nyasa, Africa.

-- FRYER 1956 b: 314, HOST TILAPIA SQUAMIPINNIS,
LAKE NYASA

Lernaea tortua (Kellicott) ♀.

Lernaeocera — Kellicott, 1881, p. 41: pl. n.n. §. 1-3

— — Fowler, 1912, p. 477.

— — Wilson, 1916, p. 368: pl. 74, §. 111-113.

Lernaea — Wilson, 1917, a, p. 38 (key).

syn. of L. catostomi (Krøyer) — Harding, 1950, p. 24

Host. Amiurus catus, tumors on skin

Mississippi Valley.

Lernaea — Wilson, 1918. ~~3~~. p. 195.

— — Monod, 1932, p. 372

Lernaea tortua coquae Dolley

— — — Dolley 1940, p. 70, figs. 1-15

Lernaea tuberosa Harding

----- Harding, 1950, p. 23, figs. 90-95. On
Engraulicypris sardella, Lake Nyasa, Africa.

-- FRYER 1956 b: 316-317

Hernaea uncinata, Müller, ♀.

— —. Müller, 1776, p. 38; pl. xxxiii, fig. 2.

a synonym of Clavella uncinata.
(Wilson, 1917, a. p. 39),

Lernaea variabilis New Species, ♂, ♀.

Lernaeidae

Lernaeocera Wilson, 1916, p. 365: pl. 72, f. 90-101.

Lernaea Wilson, 1917, a, p. 38.

——— Wilson, 1918, b, p. 196: pl. 15, f. 91; 183;

IOWA

Host, Leponis pallidus - Bluegill
Lepisosteus platostomus - ♂, ♀ copepodid
larvae.

Fairport, Iowa.

-- Monod, 1932, p. 373.

-- FRAYER 1978a: 356

-- GRABDA 1963: 177

... ..

... ..

Lernaea pomotidis (Kröyer) ♀. ^{Lernaeidae.}

Lernaeocera

———, Kröyer, 1863, p. 323; pl. XV, fig. 5a-h.

———, B. Smith, 1899, p. 481.

———, Wilson, 1916, p. 369; pl. 74, fig. 114-118.

———, Cunningham, 1914, p. 821.

Host, Gills of Pomotis, sp.

● New Orleans.

Lernaea — Wilson, 1918^b, p. 196: pl. 15, fig. 93.
— — Wilson, 1917, a. p. 38 (key).
— — Monod, 1932, p. 370.

~~LERNAEA —, WILSON 1918:~~

Lernaeidae Caligoida

Lernaea weneri (Kurtz). ♀

Lernaeocera - Kurtz, 1922, p. 327; pl. 1, f. 1-11.

Lernaea - Monod, 1932, p. 374

synonym of L. composita Wilson - Harding, 1950, p. 24

Host. Distichodus niloticus, Linn.

Lernaea sp.

--, Yin, 1949, p. 36

--, Cole, G.A., 1959, p. 72

--, Cressey & Collette, 1970, pp. 389,391, fig. 163, 164

--, Ho, 1978, p. 2

Lernaea sp. Fryer, 1956

-- Fryer, 1956b:316, figs. 35-41, host Barbus johnstonii,
Lake Nyasa

Lernaea sp. (male)

-- Fryer 1956b:316, swimming freely, Lake Nyasa