

11)

Echthrogaleus, valid,
Stp. & Ltk, 1861,

Caligoida.
Pandarida & Caligidae.

E. coleoptratus P.

Syn. Echthrogaleus Stp. & Ltk., 1861, p. 380.

Dinemoura (pars) Baird, 1850, p. 285.

Pandarus (pars) Johnston, 1835, p. 202.

Eichthrogaleus Wilson, 1907, p. 362.

Dinemoura (pars) M-Edwards, 1840, p. 463.

Ἐχθρός = hateful : γαλεός = a sea-fish, shark.

Echthrogaleus T. & A. Scott, 1913, p. 88.

Carapace as in Diinematara. First joint only fused with head = 2nd & 3rd joints fused into 2, with no true plates. Dorsal plates & 4th segt very large, as wide as gen. segt, deeply incised posteriorly, covering less than half of gen. segt. The latter of moderate size with no posterior median process. - Abdomen very short, one-jointed, covered by gen. segt. All the swimming legs biramous = rami of 1st pair 2-jointed! scopods of 2nd & 3rd pairs 3-jointed = endopods 2-jointed. All these armed with rudimentary plumose setae. 4th rami transformed into lamellae and destitute of plumose setae. Egg-tubes very long.

Pandaridae: Siphonostomatoida

ECHTHROGALEUS STEENSTRUP & LÜTKEN, 1861 2

- KABATA 1988: 28, 25; DIAGNOSIS
- KABATA 1986: 5, ORIGIN OF NAME
- KABATA 1992: 26, DIAGNOSIS

Caligidae - Caligoidae

Echthrogaleus affinis (Milne Edwards).

Dinemoura — M. Edwards, 1840, p. 465: pl. 38, f. 15-18.

Echthrogaleus — Steenstrup & Lütken, 1861, p. 382.

Echthrogaleus — Bassett-Smith, 1899, p. 464.

Echthrogaleus — Wilson, 1907, p. 363 (key).

Dinemoura — White & Doubleday, 1843, p. 268.

Host, Leptocarcharias, Sp.

New Zealand.

Caligidae. Caligoida.

Echthrogaleus braccatus (Dana), ♂. ♀.

Dinematura — Dana, 1853, p. 1370: pl. 95, f. 4. ♀.

Echthrogaleus — Heller, 1865, p. 197: pl. 20, f. 3 (nagagus ♂).

— — B-Smith, 1899, p. 464 (syn. of Echthrogaleus affinis).

— — Thomson, 1889, p. 361.

Host, Undetermined shark, New Zealand.

Wilson, 1907, p. 366.

Echthrogaleus braccatus

card 2

--, Hewitt & Hine, 1972, p. 76

--, Hewitt, 1967, p. 228-233, figs. 102-111

Echthrogaleus coleoptratus, Guérin ♂. ♀.

Dinematura coleoptrata, Guérin, 1837, pl. 35, fig. 6.

— alata, Guérin, 1837, pl. 35, fig. 7.

Pandarus alatus, M-Edwards, 1833, p. 78, pl. VIII.

— —, Johnston, 1835, p. 203, fig. 22 (in text).

Host. Mackerel shark, Toamna cornubica | Alaska.

Beaumaris Shark, Toamna moneusis | England.

Faroës: Toamna punctata (Isurus deKayi) - Vineyard

Island of Azores - Verrill: Centrophorus granulosa.

- Dinematura alata, Burmeister, 1834, p. 331.
Pandarus alatus, Johnston, 1836, p. 202, text figs.
Dinemoura alata, M. Edwards, 1840, p. 464
— —, Baird, 1850, p. 285; pl. xxxiii, figs. 8 & 9.
— —, White, 1850, p. 122; 1857, p. 318.
Echthrogaleus coleoptratus, Stp & Ltk, 1861, p. 380; pl. VIII, fig. 15
— —, Smith, 1874, p. 576; Olsson, 1869, p. 20.
— —, Rathbun, 1884, p. 488; Norman, 1869, p. 301.
— —, Brian, 1899, a, p. 4; 1902, p. 36
— —, B. Smith, 1899, p. 464.
— —, T. Scott, 1900, p. 156; pl. VI, fig. 32; 1901, p. 125.
— —, A. Scott, 1902, a, p. 292. Stebbing, 1910, p. 559.
— —, Brian, 1904, b, p. 120; 1904, a, p. 40
— —, Brian, 1908, p. 4

- — M. J. Rathbun, 1905, p. 94.
 — — Wilson, 1907, p. 367: pl. 19.
 — — Brian, 1912, p. 12.
 — — Norman & Brady, 1909, p. 155.
 — — Wilson, 1908, p. 452.
 — — Wilson, 1920, p. 12 L.
 — — Fraser, 1920, p. 59.
 — — Hansen, 1923, p. 35.
 — — Wilson, 1932, p. 427: plate 27.
 — — Yamaguti, 1936, p. 7: Pl. 4, figs. 42-43: Pl. 5, figs. 44-49.

— — Stuardo et Fagetti 1961 p. 58

-- --, Heegaard 1962. p. 177

-- --, Cressey, 1964, p. 55.

-- --, Cressey, 1967, p. 3, 18

-- --, Cressey + Lachner, 1970, p. 312

-- --, Hewitt, 1967, p. 223-227, 229, figs. 94-101

-- --, Capart, 1959: 97

Echthrogaleus coleoptratus (GUÉRIN)

3

- CARLI + BRUZZONE 1968a: 1-2; HOST LIST. + SYNONYMY
- , Hewitt & Hine, 1972, p. 73, 74
- KENSLEY & GRINDLEY 1973: 125
- COLEOPHRATUM, BOER 1970-2, + pl. 1
- KAZACHENKO 1975: 214, 215
- CARLI + BRUZZONE 1968b: 560-573, PHOTOS 1, 2,
FIGS. 1-5, HOST PRIONACE GLAUCA, LIGURIAN SEA
- CARLI + BRUZZONE 1971: 415, LIGURIAN SEA (ABSTR.)
- BENZ 1986: 216, 219, HOST RECORDS

Echthrogaleus coleoptratus (Guerin-Meneville, 1837) 4

-- Kabata 1988: 28, Figs. 14A-c; host list

-- Benz, 1984: 741 Host: Blue shark, west N. Atlantic

-- Benz & Deets, 1987: 690

- KABATA 1992: 26, FIG. 4A-D, SYNONYMY, HOST LIST

ECHITHOGALEUS -, IZAWA 1994: 99, TOYAMA BAY, JAPAN;

HOST LAMNA

-- Ho + I. H. KIM 1996: 289, BERING SEA + OFF JAPAN

-- MONTÚ 1997: 179-180, OFF BRAZIL

Echthrogaleus denticulatus S.I. Smith. ♀. ^{Galigidae.}

— —, Smith, 1873, pp. 459: 576.

— —, R. Rathbun, 1884, p. 488.

— —, M. J. Rathbun, 1905, p. 94.

— —, Wilson, 1907, p. 369: pl. 20.

Hosts. Atwood's Shark, Carcharodon carcharias

Woods Hole.

- Wilson, 1932, p. 428; fig. 268.
--- Caersey, 1967, p. 56.
-- Cressey, 1967, p. 3, 18
-- @Cressey, 1968, p. 10
--, Kazachenko, 1975, p. 215

Echthrogaleus denticulatus

card 2

--, Hewitt & Hine, 1972, p. 76

-- Benz & Deets, 1987: 690

-- Ho + I. H. KIM 1996: 289-291, FIGS. 10, 11, OFF JAPAN;

SYN. E. PELLUCIDUS

Echthrogaleus disciarai Benz & Deets, 1987

- Benz & Deets, 1987, new species, pp. 685-690
figs 1-3, Host : Mobula lucasana (devil ray)
Sea of Cortez

Caligidae. Caligoida
Echthrogaleus indistinctus (Krøyer), ♀.

Dinematura — Krøyer, 1863, p. 183.

Echthrogaleus — vs B-Smith, 1899, p. 464.

— — Wilson, 1907, p. 363 (key) : 364.

Host. Unknown.

Caligidae.-Caligoida.

Echthrogaleus neozelandicus (Thomson) ♀.

Dinematura neozelandica Thomson, 1889, p. 359;
pl. 25, fig. 2, a-d; pl. 26, fig. 1, a-c.

Echthrogaleus -us B-Smith, 1899, p. 464.

— — Wilson, 1907, p. 376; p. 364 (key); p. 365.

Host. "Shark"

New Zealand.

Echthrogaleus pectinatus Kirtisinghe

— —, Pillai, 197, p. 1623, fig. 141

— —, Benz, & Deets, 1987: 690

Echthrogaleus pellucidus Shiino

--- ---, Shiino 1963. pp. 357-368, fig. 1-4

--- ---, Benz & Deets, 1987: 690

-- Ho + I. H. Kim 1996: 289-, SYN. OF E. DENTICULATUS

Echthrogaleus (Nogaus ♂) perspicax, ^{Caligidae.} Olsson.

— —. Olsson, 1869, p. 18; pl. I. figs. 6 + 7.

A true Echthrogaleus male
Wilson, 1907, p. 457.

Host. Body of Acanthia vulgaris.

Echthrogaleus perspicax, ^{Caligidae.} Olsson. ♂. ♀.

- —, Olsson, 1869, p. 18; pl. I, figs. 6 & 7.
— —, Wilson, 1907, p. 364 (key),

In the body of Acanthia vulgaris.

Skagerack.

Caligidae.

Echthrogalear torpedinis Wilson. ♀.

---, Wilson, 1907, p. 371: pl. 21.

---, Wilson, 1932, p. 429: fig. 269.

---, Cressey, 1967 p. 58.

--- KENSLEY & GRINDLEY 1973: 93, FIG. 16 - FROM TORPEDO sp.,
CAPE, SOUTH AFRICA; p. 125.

Host Torpedo, Tetronarce occidentalis.

Woods Hole.
Provincetown, Mass.

Echthrogaleus torpedinis Wilson, 1907

- Benz & Deets, 1987: 690