

(in)

Pandavidae: siphonostomatoida Caligoidae
Caligidae.

Pandarus, valid.

Leach, 1816,

P. bicolor. ♀.

Syn. Pandarus Leach, 1816, p. 405.

Noqaqus ♂ various authors.

Caligus sp. Lamarek.

not Pandarus - Meq. Lepidoptera - 1864.

Pandarus Dana, 1852, p. 1364.

Pandarus = Leader of the Lycians in the
Trojan war.

Pandarus T. & A. Scott, 1913, p. 94.

Carapace broader behind than in front. First
thorax seg't only joined with head, others free.
all free joints with dorsal plates which overlap,
a pair on fourth seg't usually large - First pair
placed laterally, 2nd. + 3rd. median. Gen. seg't.
enlarged, terminating in 2 points and carrying,
on either side base abdomen, a sharp, dentate
appendage, horny in texture.

all four pairs of legs biramous: rami of 2nd. + 3rd.
pairs 2-jointed, of 4th. pair 1-jointed. Stopods of
1st pair 1-jointed, endopods 2-jointed: no plumose setae.
First antennae 2-jointed: first rmpd with a
double end-claw.

Pandarus

-, Vaissiere, 1961, p. 79

- KABATA 1988: 25, 27, DIAGNOSIS + KEY TO
CANADIAN SPECIES.

- KABATA 1988b: 3, ORIGIN OF NAME

- BENZ 1992: 368-370, FIG. 5, ATTACHMENT TO HOST

- LÜHING 1953: 14-

- KABATA 1992: 20, DIAGNOSIS

Pandarus affinis, P.J. van Beneden, ♂♀

- — Beneden, 1892, p. 224: pl. 1, figs. 5-11.
- — Bassett-Smith, 1899, p. 467.
- — Wilson, 1907, pp. 394 (key) and 431.

Host *Squalus* sp. Senegal.

Caligidae.-Caligoida.

Pandarus alatus Johnston, ♀.

— — Johnston, 1836, p. 202: text-fig. 21, a-c.

— — Milne Edwards, 1833, p. 79: pl. 8. f. 1-12.

A synonym of Echthrogaleus coleoptratus.
(B. Smith, 1899, p. 464)

Pandarus armatus Heller ^① ♀. Galigidae.

- —, Heller, 1865, p. 202: pl. 19, fig. 4.
— —, Thomson, 1889, p. 363: pl. 27, fig. 1a-f.
— —, B-Smith, 1899, p. 467.
— —, Stebbing, 1910, p. 558.

Host. From Seyllium africanum.

Cape of Good Hope.

Wilson, 1907, p. 395 (key).

Pandarus (~~Nogais~~ ♂) armatus. Thomson.
Caligidae.
~~not valid~~ Heller, 1865
Thomson, 1889, p. 364. pl. XXVII. fig. 1c.

If this form be compared with the male
of Echthrogaleus (binematura) neozelandicus
described in the same paper it will be
seen that they are identical -
(Wilson, 1907, p. 448).

New Zealand.

Pandarus bicolor. Leach, ♂♀.

Caligidae.

———. Leach, 1816, p. 405; pl. XX, figs. 142.

——— Boscii, ——, ——, p. 406; pl. XX, figs. 3-10.

Caligus bicolor, Lamarck, 1818, p. 142.

Pandarus bicolor, Latreille, 1825; pl. 331, figs. 254-26

Host. Squalus sp.: Carcharias glaucus: Galeus
canis: Scyllium catulus: Oxyrrhina
spallanzanii

N. Atlanté.

- Pandarus bicolor*, Desmarest, 1825, p. 339; pl. L, fig. 5.
— —, Burmeister, 1831, p. 331.
— —, Kröyer, 1838, p. 34; pl. I, fig. 6.
— —, M-Edwards, 1840, p. 470.
— *fissifrons*, — —, — —, — —.
— *bicolor*, Baird, 1850, p. 288; pl. XXXIII, fig. 6.
— *boscii*, — —, — —, p. 289.
— *bicolor*, van Beneden, 1851a, p. 94.
— —, White, 1850, p. 123; 1857, p. 319.
— —, Latreille, 1829, IV, p. 197.

P. bicolor, van. Beneden, 1861, p. 148.

— —, Kröyer, 1863, p. 187; Beach, 1819, p. 535.

— —, Beneden, 1870, p. 5; pl. I, fig. 3.

Carré, 1845, p. 362.

— —, B. Smilk, 1896a, p. 159.

— —, Brian, 1898, p. 12; Norman, 1869, p. 301.

— —, ———, 1899c, p. 199

— —, B. Smilk, 1899, p. 466.

— —, T. Scott, 1900, p. 157; pl. VI, figs. 33-38, ♂.

— —, Olsson, 1869, p. 21.

— —, A. Scott, 1904, p. 120; 1904, a. p. 40

— —, Brian, 1914, p. 7.

— — Frey & Teuckart, 1847, p. 166.

— — T. Scott, 1909, a, p. 74: pl. 3. f, 18-19.

— — Wilson, 1907, p. 400, pl. 27,

P. boscii Desmarest, 1825, p. 339.

C. bicolor var. *Tamarck*, 1818, vol. 5, p. 210.

— — Hansen, 1923, p. 36

— — Brian, 1929, p. 7: pl. 1, f. 10-19: pl. 2, f. 3-4.

— — Wilson, 1932, p. 436: fig. 274.

— — L. - Sharpe, 1934, p. 112, on *Squalus acanthias*.

— — Pesta, 1934, p. 29: fig. 20.

— — Nunes-Riivo, 1956, pp. 11-12. On *Eulamia* sp., Angola.

— — Causey, 1960, p. 331. Acapulco, Mexico, on "flying shark."

— — Heegaard 1962

pp. 177-178

Pandarus bicolor Leach

(3)

- --, Nunes Ruivo, 1962. pp. 74-75
- --, Cressey, 1967, p. 20-22.
- -- Kabata, 1966, p. 569.
- , Kabata, 1970, fig. 19
- , Stephensen, 1940, p. 5
- , Boer, 1970-2, tbl. 1
- , Hewitt & Hine, 1972, p. 73, 74
- , Hewitt, 1967, p. 239-249, figs. 123-140
- Tempere, 1898: 222, pl.
- , ACLOQUE, 1899: 200

Pandarus bicolor Leach

card 4

-- Kensley & Grindley 1973: 125

-- BENZ 1992: FIGS. 1-4, p. 369, ATTACHING TO HOST

-- LÜHNING 1953: 14-, FIG. 5

-- KABATA 1992: 20-, FIGS. 2 D-H, SYNONYMY,

HOST LIST

-- MONTÚ 1997: 179-180, SW ATLANTIC OFF BRAZIL;
HOST CARCHARINUS SIGNATUS

Pandarus boscii, Teach, ♂. ♀.

— — . Teach, 1816, p. 406; pl. XX, figs. 3-10.

— — Teach, 1819, p. 535.

a synonym for Pandarus bicolor

Pandarus brevicaudis, Dana, ♀, ♂.

— —, Dana, 1852, p. 1368, pl. XCV. fig. 3, a-k.

— —, Thomson, 1889, p. 365.

Nogagus validus, ♂, Dana, 1849a, p. 58.

Pandarus brevicaudus Dana, 1849, p. 59.

Host. Shark, Pacific Ocean near New Zealand.

Shark, Cape San Roque, Brazil.

N. validus, Dana, 1852^b, p. 1363, pl. XCIV, fig. 9, a-h.
— — —, Scott, 1894, p. 130, pl. XIV, fig. 23.
— — —, Thomson, 1889, p. 356. Cannot recognize
species from Dana's description.

Pandarus brevicaudatus, B. Smith, 1899, p. 467.

N. validus, B. Smith, 1899, p. 460.

— — — Wilson, 1907, p. 397: pl. -36,

— — — Wilson, 1923, p. 10

Pandarus carcharini Ho, 1960.

-- --, Cressey, 1967, p. 23-24.

-- --, Ho, 1963, pp 93-96. fig 13-22

-- -- Cressey, 1967, p. 2, 19

Pandarus ^{carcharii.} ~~carcharii~~ - glaucus, Hesse, ♀.
Caligoida-Caligidae.

— —, Hesse, 1883, p. 18; pl. VI, figs. 142.

Based on a single ♀.

— —, B-Smith, 1903, p. 108.

— —, Wilson, 1907, p. 395 (key).

Host. Carcharias glaucus

Coast of France.

Pandarus carchariae, Leach. ♀.

syn P. cranchii Leach

— —, Leach, 1819, p. 535.

— —, Desmarest, 1825, p. 339.

— —, Burmeister, 1833, p. 273; pl. XXV, figs. 1-13.

— —, M. Edwards, 1840, p. 469.

Host, Carcharias, spp.

Atlantic + Indian Oceans.

~~Pandanus vulgaris, M. Edwards, 1840, p. 468.~~

P. — carchariae, B. Smith, 1899, p. 466.

A synonym for P. cruehii, Teoch.

--, ACLOQUE, 1899: 200-201, Pl. 95

Caligidae.

Pandarus concinnus, Dana. ♀

— — Dana, 1849, p. 59

— — Dana, 1852^b; p. 1366, pl. 95, fig. 1, a-c.

[B. Smith, 1899, p. 467 says the species is too
imperfectly described to identify.]

Host. Body of a Shark - South of Tongatabu
Pacific.

From a description given this species
cannot be distinguished from P. cranchii
as a synonym of which it must stand
until further verification.

Pandanus cranchii, Leach, ♂, ♀,

—, Leach, 1819, p. 535.

—, Desmarest, 1825, p. 339.

—, Stp. & Ttk, 1861, p. 390; pl. XI, fig. 22.

—, Smith, 1874a, p. 576.

Host. Dusky Shark, Carcharias obscurus.

— Kazatchenko & Avdeev, 1977: 33

N. Atlantic
Near Japan.

+ —, Rathbun, 1884, p. 488.

— — —, 1886, p. 317; pl. V, fig. 1.

~~— — —, van Beneden, 1892, p. 221; pl. I, figs. 1-5.~~

Pandarus — — —, B. Smith, 1899, p. 466 - makes

this species identical with P. carchariæ,
after careful examination this seems to be
correct, but as P. cranchii is placed first
in each's list, it must stand while
P. carchariæ becomes the synonym.

— — —, Brian, 1908, p. 4.

— — —, Wilson, 1907, p. 403; pl. 28.

P. cranchii (2)

— —, Brian, 1912, p. 14: pl. 3, fig. 1.

— —, Fowler, 1912, p. 479.

— — Brian, 1908, p. 4

P. dentatus M-Edwards, 1840, p. 469: pl. 38, f. 19-20 f

— — Thomson, 1889, p. 363.

— — Basset-Smith, 1899, p. 466.

not *Nogagus elongatus* Heller, 1865, p. 206: pl. 20, f. 5.

P. pallidus M-Edwards, 1840, p. 468.

P. cranchii, Wilson, 1908, p. 453.

— — Wilson, 1907, p. 403: pl. 28.

— — Testa, 1934, p. 30: fig. 21.

— — Heegaard 1943, p. 27, figs. 76-78

— —, Cressey & Lachner, 1970, p. 312

--, Boer, 1970-2, tbl. 1

--, Lewis, 1966, pp. 81-82, 84-85, 87, 90-91, figs. 10
a-g, 11a-k, 12a-f, 13a-d, tbls. 4 & 5

--, CRESSEY, 1967: 2, 18

Pandaridae

Pandarus cranchii Leach, 1819

P. cranchii Leach, 1819, p. 535; Demarest, 1825, p. 339; Milne-Edwards, 1828 (?), pl. 78, figs. 2a-d; Steenstrup & Lütken, 1861, p. 390, pl. 11, fig. 22; Smith, 1874, p. 576; Brady, 1883, p. 133; Rathbun, 1884, p. 488; Rathbun, 1886, p. 317, pl. 5, fig. 1; Wilson, 1907, p. 403, pl. 28; Wilson, 1908, p. 453; Brian, 1908, p. 4; Brian, 1912, p. 14, pl. 3, fig. 1; Fowler, 1912, p. 479; Wilson, 1932, p. 435, fig. 273; Pesta, 1934, p. 30, fig. 21; Wilson, 1935, p. 333, pl. 5, figs. 58-70, pl. 6, fig. 71; Heegaard, 1943, p. 27, figs. 76-78.

Nogaus latreillii Leach, 1819, p. 536.

Pandarus carchariae (?) Leach, 1819, p. 535;
Bassett-Smith, 1899, p. 466.

Pandarus dentatus Milne-Edwards, 1840, p. 469,
pl. 38, figs. 19-20; Thomson, 1889, p. 363;
Bassett-Smith, 1899, p. 466.

Pandarus vulgaris Milne-Edwards, 1840, p. 468.

Pandarus satyrus, Shiino, 1954 (in part),
p. 312, figs. 11-17; Shiino, 1957 (in part?),
p. 364; Shiino, 1959 (in part?), p. 352;
Shiino, 1959 (in part?), p. 315; Shiino,
1960 (in part?), p. 493; Ho, 1963, p. 90,
figs. 11-12.

P. cranchii (2)

Reported Hosts: Carcharinus obscurus,
C. brachyurus, Lamna nasus. [Other
hosts, reported by Shiino, have not been
included]

Distribution: Cosmopolitan

-- --, Lewis, 1966, pp. 81-91.

-- --, Cressey, 1967, p. 9-10.

-- -- Cressey, 1967, p. 2

-- --, Cressey, 1970, p. 9, fig 29

--, Lewis, 1969, fig. 1a, p. 70

--, Kazachenko, 1975, p. 213, Syn. of E. nympha.

Pandarus cranchii LEACH

card 3

- , Shiino & Izawa, 1966, p. 499
- , Pillai, 19?, p. 1620, fig. 136
- , Hewitt, 1967, p. 249-255, figs. 141-148.
- KENSLEY & GRINDLEY 1973:125.
- Kazachenko, 1975:212
- Capart, 1959:98
- BENZ 1986:213, 219, HOST RECORDS
- BENZ 1981:966

Pandarus cranchii Beneden, ♂.

— — P.J.v. Beneden, 1892, a, p. 221: pl. 1, figs. 1-5.

— — Wilson, 1907, p. 450.

Probably a male in the copepodid stage,
looks like Specilligus curticaudis Dana

Host. Unknown.

Pandarus katoi n.sp.

-- --, Cressey, 1967, p. 17-19.

- - Cressey, 1968, p. 3

-- , Kazachenko, 1975, p. 214

Pandarus floridanus, ~~n.sp.~~ CRESSEY 1967

-- --, Cressey, 1967, p. 12-16/

-- --, Cressey, 1970, p. 9, fig 32

-- BENZ 1986: 213, 219, HOST RECORD

-- KABATA 1988: 27, FIGS. 12D; HOST LIST

Caligoidea.
Pandarus dentatus Milne Edwards, ♀.

— — M. Edwards, 1840, p. 469; pl. 38, fig. 19-20.

A synonym of Pandarus cranchii,
(Wilson, 1907, p. 396).

~~BENZ, 1981: 741~~

Pandarus fissifrons, M-Edwards, ♀.

Caligidae.

— —. M-Edwards, 1840, p. 470.

a synonym for Pandarus bicolor.

Pandarus lamnae, ^{Caligoida Caligidae.} Johnston, ♀.

— —, Johnston, 1835, p. 203 text fig. 22, a-b.

A synonym for Dinematura producta.

Pandarus lividus, Frey & Leuckart, ♀. ^{Caligidae.}

— —, Frey & Leuckart, 1847, p. 166.

(No figs ever published)

Cannot be distinguished by description from P. bicolor.

Host, Spinax acanthias.

North German Ocean.

Pandarus longus Gnanamuthu

1951---Gnanamuthu, C.P., pp. 1245-1252, text figs.

23-44

-- --, Kurian 1955, pp 114 fig.38. Indo China

--, Pillai, 1964, p. 65, 67, = Pseudopandarus longus

--, Rangnekar & Rangnekar, 1972, a syn. of " "

Pandarus lugubris, Heller, ♀.

Caligidae.

—, Heller, 1865, p. 205: pl. XX, fig. 1.

—, Carus, 1885, p. 362.

—, B. Smith, 1899, p. 467.

—, Brian, 1902, p. 36.

Host, "Shark" — Oxyrhina spallanzanii

Mediterranean.

— — Wilson, 1907, p. 395 (key).

Pandarus marcus Carvalho ♀

Carvalho, 1940, pp. 271-302, fig. 1, pls. 1-5.

Host: *Carcharias limbatus* (shark), Praia Grande
(Litoral sul do E. se S. Paulo - Brasil).

Caligoidea - Caligidae.

Pandarus musteli-laeris, Hesse, ♂.♀.

— —, Hesse, 1883, p. 23; pl. VI, figs. 6-8, 14, 18,
21—23.

Founded on a doubtful ♂ and a young ♀
all v specimens so far found; cannot be
located anywhere as described & figured.

Host. Body of Mustelus laeris.

Coast of France.

— — . B-Smith, 1903, p. 108.

Pandarus (Nogaus) musteli-laeris, Hesse ^{Caligidae.}

— —. Hesse, 1883, p. 23; pl, VI, figs. 6-8,
14, 18, 21-23.

(Cannot be located, Wilson, 1907, p. 456)

Host. Body of Mustelus laeris.

Coast of France.

Pandarus oblongus n.sp.

--, Shiino & Izawa, 1966, p. 489-499, figs. 1-4

Caligidae.

Pandarus pallidus, M-Edwards, ♀.

—, M-Edwards, 1840, p. 468.

a synonym for Pandarus carchariae.

Pandarus rouxii Risso, ♀.

Caligidae.

-- Risso, 1826, vol. 5, p. 136.

-- Carus, 1885, p. 362. "not determined".

Host. Unknown

Mediterranean.

Caligidae.

Pandarus salynus, Dana, ♀. ①

— — . Dana, 1849, p. 59.

— — . Dana, 1852⁶, p. 136⁸, pl. 95, fig. 2, a-c.

— — . B-Smith, 1899, p. 467.

(Says it is too imperfectly described to identify)

— — . Brady, 1883.

Host. Taken with T. concinnus on a shark
south of Tongatabu, Pacific Ocean.
Blue Shark, Prionace glauca - Hawaii

— — 3, Wilson, 1914, p. 71: pl. 15, figs. 1-8

— — Wilson, 1907: p. 415: pl. 31, figs. 162-171, ♀.

— — Yamaguti, 1936, p. 5: Pl. 3, fig. 36; Pl. 4, figs. 37-41.

Wilson 1942, p. 200

-- -- Shiino 1963, pp. 344-345

-- --, Shiino, 1960. p. 493

-- --, Ho, 1963. pp. 90-93, fig. 11-12

-- --, Lewis, 1966, pp. 74-81.

-- --, Cressey, 1967, p. 6.-9

-- -- Cressey, 1967, p. 2

-- -- Cressey, 1968, p. 2

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

— Lewis, 1966, pp. 74-77, 79, 81, Figs. 7a-d, 8a-f, 9a-e, tbt 3

Pandaridae

Pandarus smithii Rathbun, 1886

P. smithii Rathbun, 1886, p. 315, pl. 5, fig. 3, pl. 7, fig. 9; Rathbun, 1905, p. 95; Wilson, 1907, p. 410, pls. 29-30; Fowler, 1912, p. 479; Wilson, 1932, p. 434, fig. 272; Brian, 1944, p. 202, pl. 5, fig. 40; Carvalho, 1945, p. 110, fig. 28; Barnard, 1948, p. 249; Barnard, 1955, p. 259; Shiino, 1959, p. 353, fig. 8.

Reported Hosts: Carcharhinus milberti,
Carcharhinus obscurus, Carcharias
taurus, Carcharodon carcharias,
Sphyrna zygaena

Distribution: North Atlantic, Gulf of Mexico, Pacific (western, central and southern regions), South Africa.

-- Cressey, 1967, p. 2, 18

-- Cressey, 1970, p. 9, fig 30, 31

--, Lewis, 1966, pp. 91-96, figs. 14a-d, 15a-h, 16a-d, tbl. 6

--, Kazachenko, 1975, p. 214

Pandarus satyrus Dana, 1849

Pandarus satyrus Dana, 1849, p. 59; Dana, 1852, p. 1367, pl. 95, fig. 2a-c; Brady, 1883, p. 134; Bassett-Smith, 1899, p. 467; Wilson, 1907, p. 415, pl. 31, figs. 162-171; Wilson, 1914, p. 71, pl. 15, figs. 1-8; Wilson, 1924, p. 213; Yamaguti, 1936, p. 5, pl. 3, fig. 36, pl. 4, figs. 37-41; Wilson, 1942, p. 200; Shiino, 1954 (in part), p. 312, figs. 11-17; Shiino, 1957 (in part), p. 364; Shiino, 1959 (in part), p. 352; Shiino, 1959 (in part), p. 315; Shiino, 1960 (in part), p. 493.

-- -- KABATA, 1966, P. 168.

Pandarus zygaenae Brady, 1883, p. 134, pl. 55,
fig. 3.

Reported Hosts: Prionace glauca, Zygaena malleus (= Sphyrna zygaena in part and S. diplana in part). [The hosts reported by Shiino have not been included.]

Distribution: Kermadec Islands, Cape Verde Island, Gulf of Mexico, Japan, Hawaii, eastern Pacific.

Pandarus niger Kirtisinghe, 1950

-- --, Cressey, 1967, p. 22-23.

- - Cressey, 1967, p. 2, 19

--, Rangenkar & Rangnekar, 1972, p. 73-75, pl. 1-
figs. a-1

--, Pillai, 19?, p. 1620-1621, fig. 137.

Pandarus satyrus Dana

(3)

--, Lewis, 1967, p

--, Kazachenko, 1975, p. 214

--, CRESSEY, 1967: 2.18

--, Hewitt & Hine, 1972, p. 73

--, Shiino & Izawa, 1966, p. 499

-- BENZ 1986: 216, 219, BLUE SHARK

-- BENZ, 1981: 966-967, BLUE SHARK W. N. ATLANTIC

-- BENZ, 1983: 791 Association w/ Conchoderma virgatum

-- Ho + I.H. KIM 1996: 289, JAPAN; EX CARCHARODON

CARCHARIAS

-- BONNET 1948: 7

Pandarus sinuatus. Say, ♂. ♀.

— —, Say, 1818, p. 436.

— —, M. Edwards, 1840, p. 471.

— —, Smith, 1874a, p. 577; pl. VII, fig. 31.

— —, Rathbun, 1886, p. 310; pls. V, VI, & VII.

Hosts, Carcharias americanus; Carcharodon
atwoodi; Mustelus canis; Carcha-
rhinus obscurus; Loamna cornubica.
Scoliodon terraenovae. N. Atlantec.

- , M. J. Rathbun, 1905, p. 95.
---, Wilson, 1907, p. 417; pls. 32 & 33.
---, McClendon, 1907, p. 114, pl. I
---, McClendon, 1910, p. 229, 1 plate.
---, Fowler, 1912, p. 113; pl. 28, 29, & 150, fig. 1.
---, McClendon, 1906, p. 44: pl. 1, figs. 5-10.
---, McClendon, 1907, p. 63: pl. 3, figs. 49-56: pls. 4 & 5.
---, Wilson, 1932, p. 437: fig. 275. 1942, p. 201
---, Cressey, 1967, p. 16-
---, Cressey, 1970, p. 9, fig 32
---, COSTE, ET AL., 1978: 466

Pandarus sinuatus

card 2

--, Shiino & Izawa, 1966, p. 499

- BENZ 1986: 216, 219, HOST RECORDS

- KABATA 1988: 27, FIGS. 12 A-C; HOST LIST

- BENZ, 1981: 960

Pandarus smithii, Rathbun. ♀.

— R, Rathbun, 1886, p. 315; pl. V, fig. 3:

pl. VII, fig. 9.

— —, M. S. Rathbun, 1905, p. 95.

— —, Wilson, 1907: p. 410: pls. 29 & 30.

Host. Dusky Shark, Carcharinus obscurus, &

Sand Shark, Odontaspis littoralis.

Carcharodon car charias

N. Atlantic.

— — Fowler, 1912, p. 479.

— — Wilson, 1932, p. 434: fig. 272.

— —. Lewis, 1966, pp 91-96.

— —, Cressey, 1967, p. 11-12.

— — Cressey, 1968, p. 2

Pandarus smithii

card2

--, Shiino & Izawa, 1966, p. 499

- SMITHI, KENSLEY & GRINDLEY 1973:125

-- BENZ 1986:212, 219, FIG. 2B, HOST RECORDS

- BENZ 1981:966

-- ZWERNER & LAWLER 1972:84, CHESAPEAKE BAY,
HOST ODONTASPIS TAURUS

-- BONNET 1948:7

Pandarus (Nogans ♂) spinacii-achanthas. Hesse ^{Caligidae.}

— —, Hesse, 1883, p. 10: pl. V, figs. 1-14; pl.
VI, figs. 9-13: 15-17; 19, 20: 24-28.
— spinacis-achanthiae, B-Smitk, 1903, p. 108.

Not a Pandarus male —

Host. Spinax achanthas.

Caligoida-Caligidae.

Pandarus spinacii-achanthias, Hesse, ♂,

— —, Hesse, 1883, p. 10; pl. V, figs. 1—14;
pl. VI, figs. 9—13: 15—17; 19, 20; 24—28.

— —. B. Smith, 1903, p. 108. (Spinacis acanthiae)

— — Wilson, 1907, p. 394 (key), 458.

Host. Spinax (Squalus) acanthias

Coast of France

Caligoida - Caligidae.

Pandarus unicolor, Hesse ♀, ♂, (?).

— —, Hesse, 1883, p. 20; pl. VI, figs. 3-5.
Founded on 2 specimens, one a ♀, and the
other possibly a ♂.

— —, B. Smith, 1903, p. 108; Wilson, 1907, p. 396.

Host. Galeus vulgaris.

Coast of France.

Caligidae.

Pandarus vulgaris, M-Edwards, ♀.

— —, M-Edwards, 1840, p. 468.

a synonym for Pandarus carchariae.

Pandarus zygæenæ, Brady. ♀.

①

— —, Brady, 1883, p. 134; pl. LV, fig. 3.

— —, B. Smith, 1899, p. 467.

— —, Cressey, 1967, p. 19.

a synonym for P. satorius. Dana.

Host. Zygæena malleus.

○ Cape de Verde Islands.

Pandarus zygaenae Brady, 1883

card 2

-- Benz 1986: 216, 219, scalloped hammerhead