

in) Harpacticoida-Harpacticidae

Tigriopus valid

Norman, 1868 -

T. fulvus (M).

Syn. Tigriopus Norman, 1868,

Tigriopus G. O. Sars, 1904, p. 54,

Harpacticus (pars) Fischer, Willjeborg, etc.,

Tigriopus Brian, 1921, p. 64,

General form resembling Harpacticus, but narrower posteriorly. 1^o antennae stout, chelate in the ♂. Exopod of 2^o antennae 4-jointed. 1^o legs with 3-jointed exopod. Endopod of 2^o legs in ♂ with middle joint produced both outside and inside into a spine = rami of 3^o pair alike in sexes. 5^o legs like those of Harpacticus.

Tigriopus - forms + speciation

(2)

Bozic, 1956.

- , ~~ITO~~ ITO, 1969: KEY TO SPECIES: 63-64
- , Vacquier & Belser, 1965, p. 1619-1621
- ITO[↑] (TATSUNORI), 1984: 268
- HOGA 1984b: 107, FIG. 2-8, NAUPLII
- BRESCIANI, 1986: 141
- ANGULATUS-GROUP, SOYER ET AL. 1987: 143-144, 152-153
- CORRETT 1986: 69
- WELLS 1986: 132-133

Tigriopus

card 3

- Williamson 1991:811

- Noodt 1954:247-, c.f. DISCOHARPACTICUS

Harpacticidae - Harpacticoida

Tigriopus angulatus, Lang, 1933

①

— — 1933, Lang; 1-8, FIGS. 1-15, N. SP., MACQUARIE ISLAND

— — 1934, Lang, p. 9: text-fig. 10,

Harpacticus brevicornis Giesbrecht, 1902,

--, ITO, 1976: 534

-- = T. CALIFORNICUS (ITO, 1969: 63)

Habitat, Campbell Island,

--, Hicks, 1977a: TAB. 3, 4

Harpacticidae - Harpacticoida

Tigriopus angulatus Lang, ♂♀. (2)

-- MISTAKIDIS 1949: 61

— — Lang, 1933, p. 1: figs. 1-15.

— — BRADFORD, 1967, p. 53

-- DUSSART 1984: 65

-- YEATMAN 1983: 57, 77-79, FIG. 13a-c

ANGULATUS-GROUP, JOYER ET AL. 1987: 143-144, 152-153

Habitat, Macquarie Island.

-- JOYER ET AL. 1987: 144, GIVE SYNONYMY; 152

-- WELLS 1986: 132

I. N. G. A., MITCHELL, C. J. 1976: 502

TIGRIOPUS BRACHYDACTYLUS CANDEIAS, 1959

- , ITO, 1977: 84
- , ITO, 1969: 63, 64
- CARLI + FIORI 1977a: 104
- SOYER ET AL. 1987: 143
- WELLS 1986: 132

TIGRIOPUS BREVICORNIS

(OF. MULLER) 1776
(Cyclops brevicornis).

- Muller OF, 1776 : 200

--, LANG, 1948, P. 340, PL. 154:1 - NORWAY.

-- BRADFORD, 1967, p. 59

-- --, Gilat, 1967, pp. 79-95, figs. 1-2, tabs. 1-4

-- --, Wells, 1970, p. 257

--, Vervoort, 1964, p. 78

--, Omori, 1973, p. 5.

--, ITO, 1969: 63, 64

--, COMITA & COMITA, 1966: 171-194 FIG. 1-11 EGGS

PRODUCTION

--, ROE, 1958: 226

--, Smol & Heip, 1974, p. 162

— Heberer, 1955: 261-262 (1955a)

-- UYE ET AL. 1982: 34.

— Lazzaretto & Libertini, 1985: 330-333

--, BRESCIANI, 1986: 126, 135 - Tegument

-- SAZHINA 1975: 83, 84

-- VILELA 1983: 51-64, 2 FIGS. - CULTURE

-- VILELA 1984: 83-115, CULTURE

-- CARLI 1967: 208-, ITALY (= HARPACTICUS FULVUS)

Tigriopus brevicornis

card 3

-- Carli et al. 1984: 113

-- CARLI + FIORI 1977a: 101-110, FIGS. 6-9, 11, 12,

-- CARLI + FIORI 1977b: 182, 187

-- CARLI + LOI 1965: 23-31, FIGS. 1, 2, ITALY

-- SOYER ET AL. 1987: 143; SYN. T. B. VAR.

NORTHUMBRIENSIS MISTAKIDIS, 1949

-- WELLS 1986: 132

-- KIMOTO ET AL. 1986b: 143

-- DAHMS 1988b: 15; FIGS., KUNGSHAMN, SWEDEN
(BALTIC)

Tigriopus brevicornis

card 4

-- Whitehouse & Lewis 1973:233-

-- DAHMS 1991: 88-, FIG. 4B, D, F

-- BOXSHALL 1992: 358-, FIG. 8B

-- BRESCIANI & DAHMS 1994: 137-

-- DAHMS 1992a: 231-, TABLE 1

-- MOREIRA, G., JILLET ET AL. 1982: 90

-- HOLMES 1983: 20, IRELAND

-- MCINTYRE 1969: 271

-- DÜRBAUM 1997: 645, FIGS. 5, 6

TIGRIOPUS CALIFORNICUS BAKER

--, LANG, 1948, P. 342, PL. 154: 2-5-341.

-- BRADFORD, 1967, p. 59 (in key to spp. of Tigriopus)

--, FULTON, 1968, p. 47, T. triangulus is a syn.

--, Vervoort, 1964, p. 78

HABITAT : E. AFRICA, LAGUNA BEACH, CALIF.

--, ROSENFELD & COULL, 1974: TAB. 6

--, ITO, 1969: 63, 64; SYN: T. ANGULATUS

--, COULL & DUDLEY, 1976: 44 (reference to Huizinga 1971)

--, COMITA & COMITA, 1966: 175

--, THOMPSON & OLSON, 1948: 327

--: Huizinga 1971: 230-236. Cultivation in artificial Sal.

Tigriopus californicus BAKER, 1912 card 2

--, Vacquier & Belser, 1965, p. 1619-1621

---, Boxshall, 1982, p. 163

—, Lang, 1958: 40

-- YEATMAN 1983: 77-79, FIG. 13j-k.

— Lazzaretto & Libertini, 1985: 330-333

— Pallares, 1968: 38-40, pl. 6, fig. 1-11

— Burton, Feldman & Curtsinger, 1979: 29-39, CALIFORNIA COAST

-- VILELA 1984: 89

-- RIEPER 1978: 337

Tigriopus californicus Baker, 1912

card 3

-- Carli & Fiori 1977a: 104

-- CARLI + FIORI 1977b: 186

-- SOYER ET AL. 1987: 144, 152

-- BAMSTEDT 1986: 26-

-- CORNER ET AL. 1986: 265-

-- BLADES- ECKELBARGER 1986: 31, 33

-- WELLS 1986: 132

-- HO & PERKINS 1985: 592-

-- COX & HENDRICKSON 1991: 40-41, CALIFORNIA

Tigriopus californicus Baker, 1912

card 4

-- Haderlie et al. 1981: , Alaska (new record) to
Baja California; = T. triangulus

-- KASK ET AL. 1982: 34, BRITISH COLUMBIA

-- CLOGSTON 1965: 160-, Pl. 17, CALIFORNIA

-- BOXSHALL 1992: 353-

-- PALLARES 1970: 261-, ARGENTINA

-- SONG + CHANG 1993: 204, YEATMAN'S (1983) RECORD FROM
KOREA PROBABLY = T. JAPONICUS

-- MISTAKIDIS 1949: 61

TIGRIOPUS CALIFORNICUS BAKER, 1912

(5)

-- ARNOFSKY 1996: 136

-- DÜRBAUM 1997: 202-203, 211, 213

Tigriopus crozettensis Soyer, Thiriot-Quievrieux &
Colomines, 1987

-- Soyer et al. 1987: 149-152, figs. 3-4, n. sp., Crozet
Archipelago

Harpacticidae Harpacticoida

Tigriopus fulvus (Fischer), ♂. ♀.

Pl. 2, §. 34-39

Harpacticus — Fischer, 1860: p. 656: pl. 1, §. 30-33: 1

— chelifera Lilljeborg, 1853, p. 200: pl. 22, §. 2-11.

— crassicornis Brady & Robertson, 1875, p. 196.

— curticornis Boeck, 1864, p. 38.

-- BRADFORD, 1967, p. 59

Habitat British Seas.

--, ITO, 1976: 467

--, BARNETT, 1966: 125

Tigriopus lilljeborgii Norman, 1869, p. 296.
Harpacticus fulvus Brady, 1880, vol. 2, p. 149: pl. 64, f. 1-11.
Tigriopus — Norman & Brady, 1909, p. 122.
 — — Sars, 1916, p. 6.
 — — Sars, 1904, p. 54: pls. 31 & 32.
 — — T. Scott, 1906, a, p. 311.
Harpacticus fulvus Cauw, 1892, p. 158
 — — Barrois, 1890, p. 288.
 — — Brian, 1917, p. 178: 1921, p. 64.
 — —, J.H. Fraser 1936
 — — Monard 1935a, p. 77. Roscoff, France
Tigriopus —, Bozic, 1953 . 1955a 1955b.
 1956.

Tigriopus fulvus

card 2

- , Vaissiere, 1961, pp. 22-25, fig. 7
- , Omori, 1973, p. 5.
- , Bradley, 1975, pp. 33-34.
- , Carillo et al., 1974, p. 452.
- , Tundisi & Tundisi, 1968, p. 63.
- , ITO, 1971: 252, 253
- , ITO, 1977: 77
- , FAUTA, 1972: 177
- , ITO, 1969: 58, 63, 64
- , Comitán Comita, 1966: 173, 175, 179
- , JOHNSON & OLSON, 1948: 320, 326, 327
- , SHAW 1938: 9-16: 4 Figs

Tigriopus fulvus

card 3

--Menzel 1925: 454

--UVE ET AL. 1982: 30

--KOGA 1970a: 12, 19-20, TABLE 4, FIG. 6

- FURVUS, KOGA 1984b: 103, 190, FIG. 61-36, AL FULVUS -
NAUPLII; 164

--HOEBEL 1978: 79

--VILELA 1972: 1

--TEARE 1978: 352

--HIRAKAWA 1974: 43, 51-52, 44

TIGRIOPIUS FULVUS

CARD 4

--, ITÔ, TATSUNORI, 1970b: 475, 482, 485, 498

-- CARLI ET AL. 1983: 11-20, ITALY

-- CARLI ET AL. 1984: 110-121, SPANISH MEDITERRANEAN

-- CARLI + FIORI 1977a: 101-110, FIGS. 1-5, 10

-- CARLI + FIORI 1977b: 181-190, FIGS. 1-50, DEVELOPMENT

-- JOYER ET AL. 1987: 143, 152

-- WELLS 1986: 132

-- MUYS 1967: 51-

-- CLOGSTON 1965: 8-

TIGRIDOPUS FULVUS (FISCHER)

CARD 5

T. LILLJEBORGII N.VAR., MISTAKIDIS 1949: 55-70,
PLS. I-III, N.VAR., WHITLEY BAY, ENGLAND;

SYNONYMY OF T. FULVUS

-- MOREIRA, G. 1975: 78

-- MOREIRA, G., JILLET ET AL. 1982: 89-90

-- MCINTYRE 1969: 271, 273

-- CARMAN + DOBBS 1997: 124, 129, TAB. 2

-- LANG 1933: 6-7

-- DÜRBAUM 1997: 202-203

Harpacticidae-Harpacticoida

Tigriopus fulvus

var. adriatica van Douwe, ♂.♀.

— — van Douwe, 1913,

— — Pesta, 1921, p. 572: text-fig. J 16.

--- CARLI ET AL. 1984: 113

--- CARLI + FIORI 1977a: 102, A "DIFFERENT SPECIES."

Habitat. Adriatic.

--- SOYER ET AL. 1987: 143

--- MISTAKIDIS 1949: 61,

SHOULD BE T. LILLJEBORGI

VAR. ADRIATICA

Tigriopus fulvus Monard var. *algerica* Monard

_____ Monard 1936, p. 41, fig. 20e-f, ♀♂, Algeria

--- CARLI ET AL. 1984: 113

--- CARLI + FIORI 1977a: 102, 104

--- SOYER ET AL. 1987: 143

--- MISTAKIDIS 1949: 61, SHOULD BE T. LILLJEBORGII
VAR. ALGERICA

TIGRIOPUS IGAI ITO, 1977

- ITO, 1977: 77-90 ♀♂, COPEPODID II-IV; FIGS. 12-21
- WELLS, 1979: 2
- SOYER ET AL. 1987: 144
- WELLS 1986: 132

Harpacticidae - Harpacticoida

Tigriopus incertus Smirnov.

— — Smirnov, 1932, p. 205: figs. 16-23.

-- MISTAKIDIS 1949: 61

Habitat. Franz-Joseph Land.

Tigriopus japonicus Mori

— Mori, 1938: 294-295, pl 9, fig. 1-12.
 -- --, Bradford, 1967, p. 59
 -- --, Takeda, 1949, pp. 125-127
 - -, Chiba, 1956, p. 10
 --, Okada & Taniguchi, 1971, p. 33
 --, Omori, 1973, pp. 5, 8, 9.
 --, BARSZCZ & YEVICH, 1976: 104
 --, ITO, 1971: 235, 237, 250, 253
 --, ITO, 1976: 467
 --, ITO, 1977: 77, 89, 90
 --, ITO, 1969: 58-63, ♀♂, 66, 67; FIG. 1, 2

--, COMITA + COMITA, 1966: 172

TIGRIOPUS JAPONICUS MORI

--, KADOTA + TANAKA, 1984: 111 (as TIGRIOPS JAPONICUS)

-- KOGA 1970a: 11-21, FIGS. 1-6, DEVELOPMENTAL STAGES

JAPAN

-- KOGA 1973: 34-36, FIGS. 7-9 and 10-8, DEVELOP-

MENTAL STAGES.

-- KOGA 1984b: 103, 190, FIG. 61-35, NAUPLII, 105;

FIGS. 4-7, 5-7, 6-7, 8-6, 9-13; 118, 119, 127, 163-164,

FIG. 47, TABLE 2-(25); FIG. 57 (7,8), ~~586~~

-- IWASAKI ET AL 1984: 89, 91

Tigriopus japonicus Mori

card 3

-- Iwasaki & Kamiya 1977: 52.

— Lazzaretto & Libertini, 1985: 330-333

— Tanaka, 1965a: 45, fig. 33a-c

-- HOEBEL 1978: 79

-- ABRAHAM & GOPALAN 1975: 316

-- VILELA 1972: 2

-- HIRAKAWA 1974: 51-52

-- ITÔ, TATSUNORI 1970b: 474-500, FIGS. 3-12, PLS. VII, VIII,

DEVELOPMENT; JAPAN SEA - HOKKAIDO.

TIGRIOPUS JAPONICUS MORI, 1938

CARD 4

- ITO, T. 1976b: 220, 228-229
- VILELA 1984: 85
- RIEPER 1978: 344
- CARLI + FIORI 1977a: 104
- CARLI + FIORI 1977b: 182, 186
- CARLI + LOI 1965: 25
- JAPONICUS, ~~MERRILL~~ JAMES & MARTIN THOMPSON
1986: 1275
- JOYER ET AL. 1987: 144

Tigriopus japonicus Mori, 1938

card 5

- Blades-Eckelbarger 1986: 31
- WELLS 1986: 132
- CHEN Q-C 1986: 527
- UYE & FLEMINGER 1976: 260
- TSENG & Hsu 1984: 381-389, FIG. 1, TAIWAN
- MUUS 1967: 51-
- BOXSHALL 1990: 210
- SONG & CHANG 1993: 203-, KOREA
- MISTAKIDIS 1949: 61

Tigriopus japonicus Mori, 1938

card 6

-- Moreira, G., Jillett et al, 1982: 90

-- MOREIRA, G. + VERBERG 1978: 454

-- DEFAYE, SUCH + DUSSART 1985: 119, 127

Tigriopus kerguelenensis Soyer, Thiriot-Quievrieux &
Colomines, 1987

-- Soyer et al. 1987: 144-149, figs. 1-2, n. sp. ♀♂,
Kerguelen & Crozet Archipelagoes

Tigriopus lilljeborgii Norman,

— — Norman, 1868, p. 296.

a synonym of Tigriopus fulvus.

--, Giesbrecht, 1882, p. 133

-- CARLI & FIORI 1977a: 102, 104; T. LILLJEBORGII

NORTHUMBRIENSIS NOT ACCEPTED.

-- MISTAKIDIS 1949: 55-61

TIGRIOPUS MINUTUS BOZIC, 1960

- , ITO, 1977: 83, 84
- , ITO, 1969: 63, 64
- CARLI + FIORI 1977a: 104
- SOYER ET AL. 1987: 144
- WELLS 1986: 132

Tigriopus *raiki* n. sp.

-- BRADFORD, 1967, p. 54

--, ITO, 1977: ~~5~~, 84

-- CARLI + FIORI 1977a: 104

-- SOYER ET AL. 1987: 144

-- WELLS 1986: 132

Tigriopus triangulus Campbell

— Campbell 1930, p. 180, pl. 1, figs. 7-12, ♂ ♀
British Columbia

--, Fulton, 1968, p. 47, a syn. of T. californicus

-- HADERLIE ET AL. 1981: , SYN. OF T. CALIFORNICUS

-- MISTAKIDIS 1949: 61

Tigriopus sp

- Michailova - Neikova, 1968: 212
- VACQUIER 1962: 724-725, LA JOLLA
- ROSE 1927: 160, OFF ALGERIA

TIGRIOPUS spp.

-- TEPPER + BRADLEY 1989: 38