

Diaptomidae - Calanoida

Acanthodiaptomus

Wierzejski, 1888.

A. denticornis ①

Syn. Acanthodiaptomus, Kiefer, 1932, p. 465.

# ACANTHODIAPTOMUS

CARD 2

- , BALDI 1936: Key to genera, p. 835.
- , NARITA, 1984: 115
- BORUTZKY, 1960: 17, 20; 23-26, KEY
- STELLA 1984: 25, 34, 47-48, DIAGNOSIS
- STELLA 1982: 38, DIAGNOSIS
- U.S. WILSON 1951: 168
- BORUTZKY ET AL. 1991: 277-, DIAGNOSIS, KEYS

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Diaptomus dampfi Brehm. ♀

D. — Brehm, 1932, p. 64: no figs.

D. —, BREHM 1949: 420.

D. —, Brehm, 1939 (n.sp.): 175-177, pl. 35, fig 1-4

D. — COLLADO ET AL. 1984: 115r, DISTRIBUTION

ACANTHODIAPTOMUS —, REID 1990g: 178, DISTRIBUTION

Habitat. Guatemala.

२-२, २, ७, ८, ९, १०, ११, १२, १३, १४, १५, १६, १७, १८, १९, २०, २१, २२, २३, २४, २५, २६, २७, २८, २९, ३०, ३१, ३२, ३३, ३४, ३५, ३६, ३७, ३८, ३९, ४०, ४१, ४२, ४३, ४४, ४५, ४६, ४७, ४८, ४९, ५०, ५१, ५२, ५३, ५४, ५५, ५६, ५७, ५८, ५९, ६०, ६१, ६२, ६३, ६४, ६५, ६६, ६७, ६८, ६९, ७०, ७१, ७२, ७३, ७४, ७५, ७६, ७७, ७८, ७९, ८०, ८१, ८२, ८३, ८४, ८५, ८६, ८७, ८८, ८९, ९०, ९१, ९२, ९३, ९४, ९५, ९६, ९७, ९८, ९९, १००.

[ACANTHO]

Diaptomidae - Calanoida.

Diaptomus denticornis Wierzejski, ♀, /

— — Wierzejski, 1887, p. 8 (239).

— — Richard, 1891, p. 251

— — G. O. Sars, 1902, p. 87; pl. 59; 1903, p. 210.

— — castor. Sars, 1863, p. 217: (not Jurine, 1820).

Habitat, France: Norway:

- gracilis var.  $\gamma$ , Wierzejski, 1882, p. 234: pl. 3. f. 7-9
- hamatus Lilljeborg, ms.
- denticornis Herrick, 1895, p. 56: pl. 10, f. 4.
- — Douwe, 1899, p. 387.
- — De Guerne & Richard, 1889; pl. 18: table.
- — Lilljeborg, 1889, p. 84: pl. 2, f. 8: pl. 4, f. 8, 19.
- — Schmeil, 1893, p. 3: pl. 1, f. 11-15.
- — Giesbracht & Schmeil, 1898, p. 93.
- — Lebeschkin, 1900, p. 5.
- — Mrázek, 1893, p. 48.
- — Matile, 1897, p. 136: pl. 2, figs. 24-26.
- — Kiefer, 1924, p. 203. — Pesta, 1924, p. 555.

— — Rylow, 1930, p. 169 : fig. 50.

— — Kiefer, 1924, p. 203 :

— — Gajl, 1926, p. 86.

— — Haberbosch, 1920 : 108

Transferred to Acanthodiptomus Kiefer, 1932, p. 494.

--, Pesta, 1928, pp. 37-9, fig. 26

— Zichyi Daday = denticornis Kiefer, 1928, f. p. 172.

--, BALDI 1936a : p. 840.

--, BRIAN 1927 : p. 29.

— PONYI, 1956a : 259

-- BREHM 1953 : 98

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Diaptomus denticornis Wierzejski, 1887

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D. Brehm 1953: 115, red-colored.

A. -, REED 1970: 225 -, TYROL

A. -, REED 1959: 19 -, RECORDS - CANADA

A. -, BONACINA ET AL. 1988: 538 -, LAKE ORTA, ITALY

D. (A.) -, DAVIS 1976b: 820

D. -, RYKOV 1932: 250

A. -, TONOLLI 1949e: 48 -, ITALY

A. -, HERZIG 1983: 70 -

D. -, MALY 1973: 847



Diaptomidae — Calanoida

Acanthodiaptomus denticornis (Wierzejski) ♂♀. 4

Diaptomus — Wierzejski, 1887, p. 8 (239).

Acanthod — Kiefer, 1932, p. 494: fig. 43 (key).

— —, Kincaid, 1953, p. 65.

— —, Banarescu + Serban, 1954, p. 42.

— —, Edmondson, 1962, p. 627

Habitat, France, Norway. CANADA LAKES.

--, Anderson, 1970, p. 1230-31,

--, Anderson, 1974, p. 859

-- Brewer, R., 1964 D. &

- , M. Wilson, 1953, p. 317
- , Herbst, 1953, p. 146
- , Kiefer, 1958, p. 47
- , Kiefer, 1958, p. 147
- , HEIP & SMOL, 1976: TAB. 5
- , ACADEMIA SINICA, 1979: 134-135; FIG. 68 & 54N: DIAPTOMUS  
D.
- , FERRARI, & ASCOUNI, 1975: 42
- , HALVORSEN & ELGMORK, 1976: 145; TAB. III
- , COMITA & COMITA, 1966: 180
- , BALDI 1951: pp. 66, 74.
- , TONOLLI & BOSSONE 1954: pp. 83-93; Figs. 1, 2.
- , BURGIS 1970: 746.

Acanthodiaptomus denticornis

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- , Ravera & Tonolli, 1956, p. 118
- , Tonolli, 1949, p. 146
- , Kiefer, 1963, p. 42
- , Kiefer, 1963, p. 31, 33, 34
- , Maemets, 1959, p. 29
- , Burgis, 1970, p. 746
- , Elgmork, 1981, p. 280, 288
- , Borutsky, 1959: 43
- Pirocchi, 1949: 365-366

Acanthodiptomus denticornis (Wierzejski)

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--Walton 1985: 174

--DJOKOSETIYANTO & LAIR 1983: 65, 67, 68, 73-85.

--LAIR & DJOKOSETIYANTO 1984: 291-293.

--LAIR 1984: 1019-1022.

--LAIR 1983a: 26.

--LAIR 1983b: 44-47, 49-58.

--NILSSON & PEJLER 1973: 54-77.

--MÄRMETS & VELDRE 1956a: 13, 19, 59-60, Pl. IV FIGS. 4-7,

ESTONIA

--Damian-Georgescu. 1966: 58-61, fig. 20

— Petkovski, 1983: 157-159, fig. 37A-J.

-- Borutzky, 1960: 25, FIG. 6(1,2); 178; 187-188

— Kiefer, 1978: 211

-- STELLA 1984: 3, 47-50, FIG. 19, DISTRIBUTION- ITALY;

GIVES SYNONYMY.

— Pirocchi, 1944: 859-873 *passim* Italy

— Tondelli, 1954: 541-545, fig. 1c.

-- RINGELBERG ET AL. 1985: 3276-3280, FRANCE;

PIGMENTED MORPHS.

-- STELLA 1979a: 316 -, DISTRIBUTION- ITALY

-- STELLA 1982: 38-40, FIG. 24 ITALY

D. -, GURNEY 1906a: 131, 132

Acanthodiptomus denticornis (Wierzejski) card # 7

D. -, Sars 1903: 235-, records, central Asia ; ALSO

F. MAJOR

D. -, CORRECTED BY AUTHOR TO PACIFICUS, KIKUCHI  
1927: 177-

D. -, EKMAN 1904: 39, SWEDEN

D. -, BREHA 1908a: 452-

D. -, PESTA 1911: 118, GERMAN ALPS

D. -, VAN DOUWFF 1909b: 15, FIGS. 38-39, GERMANY

A. -, WHITEHOUSE & LEWIS 1973: 233-

Acanthodiptomus denticornis (Wierzejski)

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-- Brehm 1959c:920, Afghanistan; 933, SYN. D. ZICHYI

~~D. B. DENTICORNIS~~

-- WILLIAMSON 1991: 807

-- ELGMORK ET AL. 1990: 193, SOUTH-CENTRAL NORWAY

-- HARTMANN 1991: 2821, LAC D'AYDAT, FRANCE

-- ALEKSEEV 1990b: 23-, DIAPAUSE

-- BORUTZKY ET AL. 1991: 238-, FIG. 100, DIST. - USSR

-- SHEN & SUNG 1965c: 383-, NW CHINA

-- SHEN & SUNG 1965d: 302-, FIGS. 7-12, TIBET

Acanthodiptomus denticornis (Wierzejski)

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-- Reed 1958a: 155

-- STEPANOVA 1994: 134, NORTH KAZAKHSTAN

-- OMAKY 1970: 983-986, "MAJOR" + "MINOR" FORMS,  
FRANCE

-- EINSLE 1989: 80, FIG. 1, LAKE KONSTANZ, GERMANY

-- BREHM 1959: 920, AFGHANISTAN

D.: ANDERSON, R. 1974: 859, TAB. 1, WESTERN CANADIAN  
ROCKIES.

D. -, G. O. SARS 1889: 60.



ACANTHODIAPTOMUS DENTICORNIS (WIARZEJSKI) 10

D. -, STEUER 1897: 528, AUSTRO-HUNGARY

D. HAMATUS, SARS, G.O. 1889: 60.

A. -, STRELETSKAYA 1986: 93

A. -, STRELETSKAYA 1986: 84

ACANTHODIAPTOMUS DENTICORNIS MOLVENSIS <sup>MONTI &</sup> STELLA

D. --, MONTI & STELLA 1934: 80, 82; PL III FIG. 5.

2, 3, VAR. NOV.; LAKE MOLVENO, ITALY.

-- STELLA 1984: 48, SYNONYM OF A. DENTICORNIS

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Diaptomidae - Calanoida.

Diaptomus pacificus Burckhardt. 1

D. - Burckhardt, 1913, p. 408; pl. 14N, fig. 1-7; 9, 11, 13; pl. 140, fig. 1, 3, 4, 6, 8-10.

Transferred to Acanthodiaptomus, Kiefer, 1932, p. 494.

D. - BREHM 1953: 98

Habitat. Japan.

D. -, CHANG & KIM 1986: 54, = ACANTHODIAPATOMUS -.

D. -, BREHM 1959c: 933

Diaptomidae - Calanoida

Acanthodiaptomus pacificus (Burckhardt) ♂♀, 2

Diaptomus — Burckhardt, 1913, p. 408: pl. 14N, figs. 1-7.

Acanthod — — Kiefer, 1932, p. 494 (key).

— — , Ito, 1953. (Detailed analysis of Japanese populations).

--, ACADEMIA SINICA, 1979: 134, 135-137; FIG. 69; 54N. DIAPTOMUS

P.; D. YAMANACENSIS; ACANTHODIAPTOMUS YAMANACENSIS

Habitat. Japan.

--, ITO, 1955: 55-58, 63; FIG. 1-5; TAB. 1-2

--, NARITA, 1984: 115

--, KADOTA + TANAKA, 1984: 110-112.

- KIKUCHI, 1936: 275-276

-- CHANG & KIM 1986: 49, 54-55, 61, PL. III FIGS. 1-5;  
SYNONYMS DIAPTOMUS -, DIAPTOMUS - VAR. YAMANACENSIS,  
RECORDS- KOREA.

D. -, SMIRNOV 1929: 328

D. -, RYLOV 1932: 249, 250

D. DENTICORNIS, CORRECTED BY AUTHOR TO PACIFICUS,  
KIKUCHI 1927: 177-, KIZAKI LAKE, JAPAN

D. -, KIKUCHI 1930: 35-, JAPAN

D. -, RYLOV 1923: 62-63, PL. I FIGS. 2-3, MANCHURIA

A. -, BORUTZKY ET AL. 1991: 245-, FIG. 102, DIST. - USSR

ACANTHODIAPTOMUS PACIFICUS (BURCKHARDT) (3)

-- ISHIDA 1995: 297-299, TAB.1, HOKKAIDO, JAPAN

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Diaptomidae - Calanoida

Diaptomus pacificus yamanacensis Brehm. ♂♀.

D. — — Brehm, 1925, p. 275: fig. unkn.

D. — — Kikuchi, 1933: 141

D. — — Kikuchi, 1933: 16-17

D. — —, CHANG & KIA 1986: 54, = ACANTHODIAPTOMUS PACIFICUS.

— — SMIRNOV, 1929: 159-160

Habitat. Japan.

D. — —, SMIRNOV 1929: 328

Diaptomidae - Calanoida

Acanthodiaptomus tibetanus Daday

Diaptomus — Daday, 1907,

Acanthod — Kiefer, 1932, p. 494 (figs. 44-49)

--, ACADEMIA SINICA, 1979: 134, 137-138; fig. 70; 340. DIAPTOMOS. T

— Jarnefelt & Rylow, 1936: 7, Pl. 2, fig. 1-9

--, BORUTZKY, 1960: 25, FIG. 6 (3)

Habitat. Tibet.

— Kiefer, 1978: 211

-- STELLA 1984: 48

— Smirnov, 1929: 160-161



Acanthodiaptomus tibetanus (Daday, 1907)

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Diaptomus -, Forró 1986: 560

A.-, BORUTZKY ET AL. 1991: 243, FIG. 101, DIST. - USSR

A.-, SHEN & SUNG 1963: 79-81, 95, FIGS. 1-7, TIBET

ACANTHODIAPTOMUS TIBETANUS SEPTENTRIONALIS  
SMIRNOV

--- SHEN + SUNG 1963:81

Diaptomidae - Calanoida

Acanthodiaptomus yamanacensis (Brehm) ♂♀ ①

Diaptomus — Brehm, 1925,

Acanthod- — Kiefer, 1932, p. 494 (key)

— — Kiefer, 1928, p. 108: figs. 23-26.

synonym of A. pacificus (Burckhardt) — Ito, 1953.

--, BORUTZKY 1960: 25, FIG. 6 (5)

Habitat. Russia | So. East China.

--, CHANG + KIM 1986: 54, = A. PACIFICUS (BURCKHARDT).

D.-, RYLOV 1932: 249-250, E. SIBERIA

D.-, BREHM 1959c: 933

ACANTHODIAPTOMUS YAMANACENSIS

(2)

-- STRELETSKAYA 1986:84-85

-- STRELETSKAYA 1986:93