

Bryocamptus

Chappuis, 1929

B. minutus.

Syn. Bryocamptus, Chappuis, 1929, p. 43.

- LEWIS 1984: 310, DISTRIBUTION
- BORUTZKY 1960: 101; 115-123, KEY TO SOME SPA.; 164
- ROUCH 1986b: 352, HISTORY OF SUBGENERA

First, 2nd, + 4th endopods 2-segd, 3rd endopod
3-segd, middle segt with mucronate spine, end
segt with 2 setae: 2nd endopods asymmetrical.

BRYOCAMPTUS J. L. CHAPPUIS, 1929

CARD 2

- IZAWA 1987: 194

- LEWIS 1986: 115-

- WILLIAMSON 1991: 795-

- CHAPPUIS 1929c: 478-479, DIAGNOSIS, LIST OF SUBGENERA;

TYPE B. (B.) MINUTUS (CLAUS)

BRVOCAMPTUS (ARCTICOCAMPTUS) CHAPPUIS, 1929

-- LEWIS, M. 1986: 117-

-- CHAPPUIS, 1929c: 479, DIAGNOSIS, SPECIES LIST

BRYOCAMPTUS (BRYOCAMPTUS) S. STR. CHAPPAIS, 1929c

-- LEWIS, M. 1986: 118 -

- CHAPPAIS 1929c: 478-479, DIAGNOSIS, SPECIES LIST

- APOSTOLOV & PESCE 1991: 300 -

SEE ALSO LIMOCAMPTUS

-, Lang 1948: 1101, A SUBGENUS OF BRYOCAMPTUS

BRYOCAMPTUS (PENTACAMPTUS) BORUTZKY, 1952

- ROUCH 1986b: 352

BRYOCAMPTUS (RHEOCAMPTUS) BORUTZKY, 1952

- ROUCH 1986b: 352

Bryocamptus (Bryocamptus) aberrans Apostolov &

Pesce, 1991

--- Apostolov & Pesce 1991: 297-301, figs. 1-10, female
only; cave near Iskar River, NW Bulgaria

Canthocamptidae - Harpacticoida

Bryocamptus abnobensis (Kiefer) ♂, ♀.

— — Kiefer, 1933, p. 185: figs. 7-17

--, Jakobi, 1959, p. 276

Habitat. Germany

Bryocamptus (Arcticocamptus) abnobensis

--, Kiefer, 1963, p. 47-48, fig. 9-19

— Kiefer, 1978: 220

--- REED 1970: 229-, TYROL

Bryocamptus alpestris

(Vogt)

--, Jakobi, 1959, p. 276

— Kiefer, 1978:220

Bryocamptus (Articocamptus) alpestris

--, Kiefer, 1976, p. 113-115

B. (ARCTICO.) -, LÖFFLER & NEUHUBER 1970: 4, AUSTRIA

Bryocamptus (Arcticocamptus) alpinus

Arcticocamptus alpinus, Löffler 1973: 18

Canthocamptidae - Harpacticoida

Bryocamptus aquaeductus Borutzky ♀

- Borutzky, 1931, p. 152 : fig. 53
- Borutzky, 1934, p. 267: figs. 12-17.
- BORUTZKY, 1952, P. 203, F. 65, 6-8 USSR.
- , LANG, 1948, P. 1086,
- , Sterba, 1967, p. 331

Habitat. Russia, CAUCASUS.

- , Jakobi, 1959, p. 276
- Mihailova - Neikova, 1966: 207-208, fig. 3
- BREHM 1947: 64.

- BULGARIA
- Mikhailova - Neikova, 1973b: 44; fig 7-9, 1
 - Michailova - Neikova, 1975: 69-70
 - Michailova - Neikova, 1968: 206
 - Kiefer, 1978: 219

BRYO-

Canthocamptidae - Harpacticoida

Canthocamptus arcticus Lilljeborg, ♀, ♂

①

— Lilljeborg, 1902a: 37-40, Pl. II FIG. 23, Pl. III FIG. 1-4,
SWEDEN

— Borutzky, 1925, p. 39.

— Chappuis, 1928, p. 127 (key).

—, Borutzky, 1952, p. 215, F. 68, 1-12. USSR.

Habitat, Sweden: Norway: Greenland: Switzer-
erland.

—, Pesta, 1932, p. 109

— Haberbosch, 1917: 596 - passim.

— Haberbosch, 1920: 108

Canthocamptidae - Harpacticoida

Bryocamptus (Arcticocamptus) arcticus Lilljeborg ^②
♀, ♂

— — Borutzky, 1931, p. 154: fig. 54.

— — Schäfer, 1934, p. 274: t-figs. 2-10.

— —, LANG, 1948, p. 1098.

--, Jakobi, 1959, p. 276

--, DAGGETT & DAVIS, 1974: 301

Habitat. Russia, NORWAY, SWEDEN, LAPPLAND,
SWITZERLAND.

-- ROEN 1962: 164, GREENLAND

— Kiefer, 1978: 220

—Willey, 1925:206

Bryocamptus (Arcticocamptus) arcticus (Lilljeborg, 1902) 3

B. a., Daggett & Davis 1974b: 676-, Newfoundland

B. a., DAGGETT + DAVIS 1975: 51-, " SWEDEN

ANTHOCAMPTUS -, ERMAN 1904: 32-, PL. I FIG. 1,

B.(A.) -, JANETZKY ET AL. 1996: 11

Bryocamptus arndti

(Kiefer)

--, Jakobi, 1959, p. 276

— Flossner, 1966: 225

— Kiefer, 1978: 220

Canthocamptidae - Harpacticoida

Bryocamptus australis Coker, n. sp. ♂ ♀.

— Coker, 1934, p. 98: pl. 5, figs. 1-15.

—, BORUTSKY, 1952, p. 189, F. 63-15- USSR.

—, LANG, 1948, p. 1078.

—, Jakobi, 1959, p. 276

—, Borutskiy, 1948, p. 1672

Habitat. In moss White Lake, N.C.

—: Coker, 1938: 132¹³³. White Lake, NC. Along shore.

—, BORUTSKY, 1960: 121, FIG. 51(4)

— COKER 1938: 76, WHITE LAKE, N.C. (REPEATS RECORD)

Canthocamptidae - Harpacticoida

Bryocamptus baikalensis Borutzky ♀ ①

— — Borutzky, 1931, p. 145: fig. 49.

— — Boruckij, 1932, p. 21

— — BORUTZKY, 1952, P. 197, F. 64, -15. USSR

Rheocamptus baicalensis, Sterba, 1967, p. 331

Habitat. Russia: Lake Baikal.

— — , Borutskiy, 1948, p. 1669

— — Damian-Georgescu, 1970: 119-121, fig. 49

BRYOCAMPTUS BAIKALENSIS BORUTZKY

②

--, BORUTZKY 1960: 123, FIG. 51(9)

— KIEFER, 1978: 219

($\frac{1}{2}$) ISHIDA 1992 b: 80-81, FIG. 17a, 18c

= B. BALCANICUS

Canthocamptidae narjucticola

Bryocamptus zschokkei balcanicus Kiefer. ♀ (1)

— — Kiefer.

— — Chappuis, 1936, p. 324: fig. 1.

--, Sterba, 1967, p. 269: B. z. balcanicus f. babunae
Petkovski

--, SHEN & TAI, 1964d: 618, 627

Habitat. Jugoslavia.

— Kiefer, 1978: 220

--, BRENN 1947: 64.

-- CHAPPAIS & ROUCH 1959a: 200, 202

Bryocamptus (Rheocamptus) balcanicus (Kiefer, 1933)



--- Rouch 1986b: 332, 352

B. (BRVO.) -, BRANCELT 1986: 19; SLOVENIA;

FIGS. 2, 3; SYN. B. BALCANICUS F. BABUNAE

B. ZSCHOKKEI BALCANICUS, ROUCH 1968a: 23

Bryocamptus balcanicus babunae Petkovski, 1956

1956---pp. 190-192, figs. 28-32.

- (R.) - f. babunae, ROUCH 1986b: 332

- - -, BRANCELJ 1986: 21, SYN. OF B. BALCANICUS STR.

BRYOCAMPTUS

BIRSTEINI

BORUTZKY

— — BORUTZKY, 1952, P. 207, F. 67, 1-6. USSR.

--, Sterba, 1967, p. 271, 331

— Kiefer, 1978: 220

-- ROUCH 1968a: 23 -

-- ROUCH 1986b: 332

BRYOCAMPTUS BISPINOSUS BORUTZKY, 1940

— — BORUTZKY, 1952, P. 211, F. 67, 11-13. USSR.

— KIEFER, 1978: 220

-- ROUCH 19866: 332

Bryocamptus (s. str.) borutzkyi Petkovski

1960---pp. 71-73, figs. 10-20.

BRYOCAMPTUS BREVIPIES BORUTZKY

— — BORUTZKY, 1952, P. 207, F. 66, 4-7. USSR

--, Sterba, 1967, p. 331

--, BORUTZKY 1960: 120, FIG. 51 (1-2)

BRYOCAMPTUS BROIENSIS ^{0.} ROCHA + MATSUMURA-TUNDISI,
1976

- O. ROCHA + MATSUMURA-TUNDISI 1976

- REID 1994: 14, 21-25, ATTHEYELLA (DELACHANIKIELLA
BROIENSIS); SUPPLIED DIAGNOSIS, MADE NAME
AVAILABLE, BECAME AUTHOR.

Bryocamptus bryobates - (Monard)

--, Jakobi, 1959, p. 276

--, DUSSART 1963: 520.

— Kiefer, 1978: 220

Bryocampptus (Arcticoceampptus) bryophilus Mich-Neik

— Mikhailova - Neikova, 19

— Kiefer, 1978: 220

Bryocamptus bulbochaetus Borutzky ♀

— — Borutzky, 1931, p. 134 : fig. 43

— — Boruckij, 1932, p. 23

— —, Borutsky, 1952, p. 186, USSR

Pentacamptus bulbochaetus, Sterba, 1967, p. 331

Habitat. Russia. Lake Baikal.

— —, Borutskiy, 1948, p. 1669

— —, Borutzky 1960:118, FIG. 50(3)

BRYOCAMPTUS CALVUS (BREHM) 1927

①

— —, LANG, 1948, P. 1111.

--, Jakobi, 1959, p. 276

HAB: JAPAN LAKES.

-- Ishida, 1987: 78, 86 pl. 26 (Syn. Canthocamptus calvus, B. niemalis brevisfurca) Hokkaido, N. Japan

-- ISHIDA, T. 1990: 40-, SW JAPAN

-- ISHIDA ET AL. 1991: 63-, LAKE KUSSHARO, JAPAN

BRYOCAMPTUS CALVUS (BREHM, 1927)

(2)

-- ISHIDA 1992c: 80-81, FIG. 17c, 18a

-- ISHIDA & KOBAYASHI 1993: 112

-- ISHIDA 1993a: 166, - HOKKAIDO, ~~KOHOKU~~, USA,

-- ISHIDA 1994b: 126, - TOKYO, JAPAN

-- ISHIDA & ITO 1991: 80, FIGS. 19-22, SOUTH PRIMORYE,

E. SIBERIA

-- REID 1996: 1, 8, DC, USA

-- ISHIDA 1984: 53, HOKKAIDO, JAPAN

-- ISHIDA 1989: 2, 13, HONSHU, JAPAN

DRYOCAMPTUS CALVUS (BREHM, 1927)

③

- ISHIDA 1989: 25, 27, HOKKAIDO, JAPAN
- ISHIDA 1995: 299, TAB. 1, " "
- ISHIDA + KOBAYASHI 1992: 207, TAB. 1, SAKHALIN
PENINSULA, RUSSIA
- ISHIDA 1984: 43-48, HOKKAIDO + HONSHU, JAPAN

Bryocamptus caucasicus Borutzky ♀, ♂

— — Borutzky, 1931, p. 141 : fig. 47.

— — Borutzky, 1934, p. 266.

— —, LANG, 1948, p. 1071.

--, Jakobi, 1959, p. 275

-- Borutsky, 1948: 4

Habitat. Russia, CAUCASUS : GEORGIA.

— Kiefer, 1978: 220

BRYOCAMPTUS

CHAPPUISI

BORUTSKY

— — Borutsky, 1952, P. 151, F. 62, 12-15. USSR.

Pentacamptus chappuisi, Sterba, 1967, p. 331

-- , Borutskiy, 1948, p. 1669, 1670-1671.

-- Borutsky 1960: 116, Fig. 49(6-8)

BRYOCAMPTUS COKERI BORUTZKY

— — BORUTZKY, 1952, P. 159, F. 63, 11-13. USSR.

Pentacamptus ~~nikolskii~~ cokeri, Sterba, 1967, p. 331

— —, Borutskiy, 1948, p. 1669-1671.

-- BORUTZKY 1960: 118, FIG. 50 (5-6)

= BRYCCAMPTUS Canthocamptidae - Harpacticoida
Canthocamptus cuspidatus Schneil, ♀, ①

— — Schneil, 1893, p. 36: pl. 4.

a synonym of Attheyella cuspidata.
(T. Scott, 1906, b, p. 331).

— Haberbusch, 1920: 108

— — Scourfield, 1903, p. 538.

— — Gurney, 1921, p. 649

— — Chappuis, 1928, p. 127 (Key).

— — Gurney, 1932, p. 153 : figs. 672 - 694.

— — Pesta, 1924, p. 545.

— — Willey, 1924, p. 83 : fig. 22

— —, BORUTZKY, 1952. P. 223, F. 68, 13-14. USSR.

— —, BORUTZKY, 1952. P. 415, USSR.

VAR: GARZICUS - GAGERN - 1938

—, Pesta, 1932, p. 107

—, Brehm, ~~197~~ 1917, p. 611-

— Haberboosch, 1917: 604 fig. 14.

Canthocamptidae - Harpacticolum

Bryocamptus (Arcticocamptus) cuspidatus Schmeil ♀ Ⓡ

— — Borutzky, 1931, p. 157 : fig. 55.

— — Kiefer, 1929, p. 321 : figs. 7-8.

— — LANG, 1948, p. 1093.

Arctic. — var. Ekmani, Štěrba 1956, p. 394-5. Fig. 16-18.

--, Jakobi, 1959, p. 276

--, Kiefer, 1976, p. 112

Habitat. Russia, ENGLAND, GERMANY, SWITZERLAND,

AUSTRIA, HUNGARY, CANADA.

--, Kiefer, 1963, p. 46-48

--, Flossner, 1966, p. 226, fig. 1

Bryocamptus (Arcticocamptus) cuspidatus Schmeil card 3

--- Roen 1962: 162- 164

— Kiefer, 1978: 220

--- RONNEBERGER 1975: 381-, GERMANY

--- REED 1970: 229-, TYROL

-- KIEFER 1981b: 276, N. ITALY

-- FLÖSSNER 1988 (1989): 39

-- STRAYER 1988(89): 279, 286-287, FIG. 5,
NEW YORK, USA

-- REID 1990 d: 232

Bryocamptus (Arcticocamptus) cuspidatus Schmeil card 9

--- Brancelj 1986:19-, Slovenia

-- BRANCELT 1988: 3-, SLOVENIA

--, STRAYER 1988(89)6: 201-, SE NEW YORK

-- LÖFFLER & NEUHUBER 1970: 4, AUSTRIA

-- ROEN 1968: 50

B.(A.)-, GALASSI 1997: 705-708, FIGS. 36-53, ITALY

B.-, SÄRKKÄ ET AL. 1997: 143, TAB. 2, FINLAND

= BRYOCAMPTUS

Canthocamptidae - Harpacticoida

Canthocamptus cuspidatus Schmeil

①

var. ekmani Kessler, ♂ ♀

C. — — Kessler, 1913^b, p. 73: figs. 1-3 text.

C. — —, Borutzky, 1952, p. 224: USSR.

C. — —, Pesta, 1932, p. 108

~~C. — —, Bosch, 1922, 108~~

Habitat. Bohemia.

C. — — KIEFFER 1927: 141, ROMANIA

Bryocamptus (Arcticocamptus) cuspidatus ekmani (Kessler,
1914)⁽²⁾

----, Kiefer, 1958, p. 147, 149

----, Kiefer, 1958, p. 55

----, GALASSI 1997: 705

BRYOCAMPTUS (ARCTICOCAMPTUS) CUSPIDATUS
HARZICUS GAGERN

--- GALASSI 1997: 708

Bryocamptus cuspidatus intermedius Flössner 1989

--- Flössner 1988(1989): 26, 38-40, figs. 39-45,
n. ssp., ♀♂, Disko Island, Greenland

--- REID 1990 d: 229

B. (ARCTICOCAMPTUS) --, GALASSI 1997: 708

BRYOCAMPTUS (ARCTICOCAMPTUS) CUSPIDATUS

KESSELERI LANG

--- GALASSI 1997: 705, 708

= BRYOCAMPTUS Canthocamptidae - Harpacticoida
Canthocamptus dacicus Chappuis ♀ 1

— — Chappuis, 1923, p. 25; figs. 3-4.

— — Chappuis, 1928, p. 137 (key).

— — Chappuis, 1925, p. 163.

— —, Borutzky, 1952, (p. 243, F. 12, 28-) USSR.

— —, Chappuis, 1927: 47

Habitat, Conduit, Cluj: Transylvania.

BRYOCAMPTUS DACIUS (CHAPPUIS)

2

— —, LANG, 1948, P. 1109.

--, Jakobi, 1959, p. 276

HAB: EUROPE: GER., JUGOSLAVIA, SUBTERR.

~~— Mirehvidorac Nežka, 1975: 170~~

— Damian - Georgescu, 1970: 125-126, fig. 51

— Kiefer, 1978: 220

— (L.) ^{DACIUS,} DACIUS, BRANCELT 1986: 19, SLOVENIA;

FIGS. 6, 7

Bryocamptus (Limocamptus) dacicus (Chappuis) card 3

--- Brancelj 1988:3-, Slovenia

- - - NAIDENOV & PANDOURSKI 1992a: 9, CAVE, BULGARIA

- -, BRANCELJ 1992(1991): 193, CAVES, SLOVENIA

- - PETKOVSKI 1984: 136, SLOVENIA

- BRANCELJ 1994: 98, TAB. 3, SLOVENIA

CANTHOCAMPTUS -, KIEFFER 1927: 141, ROMANIA

Bryocamptus dentatus Chappuis ♂♀

①

— — Chappuis, 1937, p. 562: figs. 25-30.

— —, Borutsky, 1952, p. 202, f. 65, 9-10a. USSR.

— —, Lang, 1948, p. 1086,

--, Jakobi, 1959, p. 276

— Kiefer, 1978: 220

Habitat. Northern Spain. Grotto in San Sebastian.

--, BREHM 1947: 64.

-- PESCE 1983c: 63, 78-79

Bryocamptus dentatus Chappuis 1937

card 2

-- Chappuis & Rouch 1959a: 198, 200-202, figs. 5-13,
Pyrenees, cave.

-- ROUCH 1968a: 23, 28 - RECORDS - FRANCE

-- ROUCH 1986b: 332, DISTRIBUTION

BRYOCAMPUS DERJUGINI - SEE ELAPHOIDEA

BRYOCAMPTUS DOUWEI (WILLEY)

— —, LANG, 1948, P. 1109.

--, Jakobi, 1959, p. 276

HAB. CANADA LAKES.

[BRVO]

Canthocamptidae - Harpacticoida

Canthocamptus echinatus Mrazek.

— — Mrazek, 1894, p. 124: pl. 6. figs. 77-89.

— — Gurney, 1921, p. 644: 6 text-figs.

— — Gurney, 1932, p. 166 : figs. 712-728

— — Pesta, 1924, p. 546.

— — var. luenenensis
Donner, 1927: 239 figs 11-13

Habitat. England and Bohemia,

— — Haberbosch, 1917: 598 - passim, fig. 12.

— — Chappuis, 1927: 47

— — Chappuis, 1928, p. 127 (Key)

— —, BORUTZKY, 1952, P. 233, F. 70, 11-13. USSR.

Bryocamptus (Limocamptus) echinatus, Lang, 1948, p. 1105.

Echinocamptus —, Štěrba, 1956, p. 395. Czechoslovakia.

--, Pesta, 1932, p. 114

[BRYO-]

Limocampus echinatus (Mrazeck, 1893)

(2)

- , Sterba, 1964, p. 194, 198
- , Bertrand, 1971
- , Husmann, 1975: 2984; FIG. 2, 3
- , Borutzky 1980: 127, FIG. 54(9-10)
- Sterba, 1968: 22)
- Rouch 1968a: 28, RECORDS-FRANCE
- Rouch et al. 1968a: 722, KARST-FRANCE
- Rouch 1970d: 671-, RECORDS-FRANCE
- Rouch 1972a: 140-, BAGET, FRANCE

[BRVO -]

Limocamptus echinatus (Mrázek)

--, Gourbault & Lescher-Moutoué, 1968, p. 736-738

--, Sterba, 1968, p. 57

--, Lescher-Moutoué & Gourbault, 1971, p. 297

-- Gourbault & Lescher-Moutoué, 1967: 1814

-- ROUCH 1974: 352-, BAGET, FRANCE

-- ROUCH + BONNET 1977a: 228-, BAGET

-- ROUCH + BONNET 1976a: 29-, BAGET

-- ROUCH + BONNET 1976b: 44-, BAGET

Bryocamptus echinatus

(4)

- Sarvala, 1977, p. 118

- Sarvala, 1979c: passim.

- Kiefer, 1978: 220

- Sarvala, 1986: 105-111

- HERBST & HERBST 1978: 101, GERMANY

(L.) ROUCH 1980c: 225-, FRANCE

A. (L.) -, GALASSI & PESCE 1991: 1, ITALY

B. (L.) -, LÖFFLER & NEUHUBER 1970: 4, AUSTRIA

B. (L.) -, ROUCH 1992b: 306

Bryocamptus (Limocamptus) echinatus Mrazek

-- --, Vesentini, 1960, pp. 215-216

-- --, Paiotta, 1968, pp. 216

--, Jakobi, 1959, p. 276

---, Kiefer, 1959, p. 46-8, figs. 10-28, p. 42

--, Sarvala, 1977, p. 151-154, fig. 9

--, Kiefer, 1976, p. 112

--, Kiefer, 1963, p. 46

--, Flossner, 1970, p. 277

- Rouch, 1980 b: 230-233

- Rouch, 1980 c: 114-115 (= Limocamptus echinatus)

- Rouch, 1980 e: 303

- Rouch, 1982a: 138
- Rouch, 1982b: 42-, BAGET, FRANCE
- Damian-Georgescu, 1970: 122-125, fig. 50
- Saxvala, 1986: 126
- ~~--- Rouch 1984: 361-, BAGET, FRANCE~~
- Rouch + Carlier 1985a: 78-, BAGET
- Rouch + Carlier 1985b: 226-, BAGET
- Ronneberger 1975: 381-, GERMANY
- Reed 1970: 229-, TYROL; FIGS. 8, 9
- Pesce 1985e: 468-469, WELLS, ABRUZZO, ITALY
- Pesce 1984b: 305-, ITALY
- Pesce + Galassi 1987d: 221-, ITALY

BRYOCAMPTUS (LIMOCAMPTUS) ECHINATUS (MRÁZEK) (6)

- PESCE + GALASSI 1989: 591, ITALY
- ROUCH 1992: 229-239, TAB. 1, FRANCE
- PESCE, GALASSI + COTTARELLI 1995: 98, 101, ITALY
- ROUCH + DANIELOPOL 1997: 125, TAB. 1, FRANCE
- JANETZKY ET AL. 1996: 11, 15
- GALASSI 1997: 695, 700, ITALY
- B.E., SÄRKKÄ ET AL. 1997: 139, 143, TAB. 2, FINLAND

BRYOCAMPTUS FERRI - SEE CLETOCAMPTUS

BRYOCAMPTUS

GAUTHIERI

(Roy)

— —, HANG, 1948, P. 1084.

— —, BORUTSKY, 1952, P. 199 USSR.

--, Jakobi, 1959, p. 276

HABITAT: MOROCCO, AZROU, ALGERIA: BABA ALI.

= BRYOCAMPTUS

Canthocamptus ~~carpathicus~~

Canthocamptus hiatus Willey, ♂♀

①

— Willey, 1925: 206, fig. 1

— Willey, 1925, p. 416

— Willey, 1934, p. 77: figs. 1-4 (subg. Pentacamptus)..

Habitat. Canada,

BRYOCAMPTUS HIATUS (WILLEY)

(2)

--, LANG, 1948, P. 1076.

--, Jakobi, 1959, p. 276

--, Borutskiy, 1948, p. 1672.

HAB: CANADA HARES, QUEBEC.

-- STRAYER 1988 (89): 286 -

-- Willey, 1925: 206, fig 1.

-- ISHIDA 1992: 249, 251-254, FIGS. 15-26, JF

ALASKA, NEW RECORD

BRYO -

Canthocamptidae - Harpaenicolida.

Canthocamptus hiemalis Tearse, ♀. ①

fig. 31-42

C. — Tearse, 1905, p. 153; pl. 16, fig. 28, 29; pl. 17,

C. — Marsh, 1918, p. 781: text-fig. 1234.

C. — BIGELOW 1923: 59, L. NIPIGON, CANADA

Habitat. Nebraska

Bryocamptus hiemalis (PEARSON)

(2)

- , Jakobi, 1959, p. 276
- , BARDACH, 1954: 50
- HOEBEL 1978: 21, 30, 36-43, 50-51, 57-85, 94-102, 112, 115,
139-145, 152-154 - MARION LAKE, B.C.
- (LIMNOCAMPTUS) -, IMAMURA + KIKUCHI 1986:
318, 329-330, FIG. 2 A - JAPAN
- SHIOZAWA 1986: 1657, MINNESOTA
- G. HUNT 1979: 248, COLORADO
- Ishida, 1987: 78, 86 pl. 25 (syn. canthocamptus
hiemalis) Hokkaido, N. Japan

Bryocamptus hiemalis (Pearse, 1905)

card 3

- (Limocamptus) -, Roland 1964:325, 330-335, figs. 6-8,
redescribed - Colorado, ♀♂

CANTHOCAMPTUS -, WECKEL 1914:201

CANTHOCAMPTUS -, CLEMENS ET AL. 1923:175-,
LAKE NIPIGON

B. -, REED 1930a:24-, ROCKY MOUNTAIN NATIONAL PARK

-- REID 1930d:231

-- SHIDA ET AL. 1991:63-, LAKE KUSSHARO, JAPAN

-- SHIOZAWA 1991:292-, MINNESOTA

Bryocamptus hiemalis (Pearse, 1905)

card 4

- Ishida & Kobayashi 1993: 110, Kamchatka, *RUSSIA*
- ISHIDA 1993a: 166-, HOKKAIDO, JAPAN
- REID 1996: 8, DC, USA
- ISHIDA 1984: 53, HOKKAIDO, JAPAN
- ISHIDA 1984: 43-48, " "
- ISHIDA 1989: 2, 12-13, HONSHU, JAPAN
- ISHIDA 1989: 25, 27, HOKKAIDO, JAPAN
- ISHIDA 1995: 299, TAB. 1, " "
- ISHIDA & KOBAYASHI 1992: 205-208, TAB. 1, SAKHALIN
PENINSULA, *RUSSIA*

Canthocamptidae - Harpacticoida

Bryocamptus hiemalis (Pearse)

brevifurca, n. subsp. Coker, ♂ ♀.

— — Coker, 1934, p. 101: pl. 2, figs. 7-9: pl. 3, figs. 1-8.

— —, LANG, 1948, p. 1007.

— — Shiozawa, 1978: passim

Habitat. Chapel Hill, N.C. NEAR RASHE LAKE.

Bryocamptus (Limnacamptus) hiemalis yetii Loffler

-- -- Loffler, 1968, p. 19, f. 8 a-n

Bryocamptus (Limocamptus) hiemalis yunnanensis
Borutzky

---- Chang & Kim 1992: 70, 75, springs, Mts. Hambak and
Halla, Korea

= BRYOCAMPTUS Canthocamptidae - Harpacticoidae
Canthocamptus hoferi Douwe,

— — Douwe, 1907. b, p. 581: text-figs. 1-3.

— — Pesta, 1924, p. 546.

— — Chappuis, 1928, p. 127 (key).

— —, Borutzky, 1952, p. 240, f. 72, 24-27. USSR.

— —, Pesta, 1932, p. 117

Habitat. Germany.

— VAN DOUWE 1909b: 47-48, FIGS. 189-193, GERMANY

— Willey, 1925: 206

Bryocamptus hoferi (v. Douwe)

--, Jakobi, 1959, p. 276

--, DUSSART 1959: 292.

— Kiefer, 1978: 220

-- BRANCELT 1986: 23

B. (L.) -, LÖFFLER & NEUHUBER 1970: 7, AUSTRIA

BRYOCAMPTUS HORAI (CHAPPUIS)

— —, LANG, 1948, P. 1112.

--, Jakobi, 1959, p. 276

HAB: INDIA - SIMLA HILLS AREA.

-- LEWIS, M. 1986: 118 - B. (L.) -

Bryocamptus (Limocamptus) hostensis Borutzky, 1972

--- Rouch 1986b: 333

Canthocamptidae - Harpacticoida

Bryocamptus hutchinsoni Kiefer ♀, ♂ ①

— — Kiefer, 1929, p. 98: figs. 1-9

— — Carter 1944, p. 158, pls. 65-66, ♀♂, Mountain Lake region, Virginia (MISSISSIPPI DRAINAGE)

— —, Borutsky, 1952, P. 176. F. 61, 10-12. USSR.

— —, Lang, 1948, P. 1078.

Habitat. North America, NEW HAVEN CONN.

--, Jakobi, 1959, p. 276

-- variant, M. S. Wilson 1975: 133, Saskatchewan, Canada.

BRYOCAMPTUS HUTCHINSONI KIEFER

(2)

- , BORUTSKY 1960: 116, FIG. 49(12)
- REED 1996: 342-, YELLOW KNIFE, N.W.T., CANADA
- SHIOZAWA 1991: 289-, MINNESOTA
- REID 1996: 8, DC, USA

Canthocamptidae
Harpacticoida

Bryocamptus incertus Borutzky ♀, ♂

— — Borutzky, 1931, p. 132: fig. 42.

— — Boruckij, 1932, p. 22.

— — Borutzky, 1952, p. 63, 6-10. USSR.

Pentacamptus incertus, Sterba, 1967, p. 331

— —, Borutskiy, 1948, p. 1669

Habitat. Russia. Lake Baikal

BRYOCAMPTUS INCERTUS BORUTZKY

--, BORUTZKY 1960: 118, FIG. 50(1-2)

BRYOCAMPTUS

INNOMINATUS

BORUTZKY, 1940

— — BORUTZKY, 1952, P. 210, F. 67, 7-10. USSR.

— KIEFER, 1978: 220

-- ROUCH 1968a: 23-

- (R.) -, ROUCH 1986b: 332

BRYOCAMPTUS (BRYOCAMPTUS) INTERCALARIS
SHEN + TAI, 1973

- SHEN + TAI, 1973: 366, 369, 375-376, 384; FIGS. 49-60
- , ACADEMIA SINICA, 1979: 218, 222-223; FIG. 119

Bryocamptus (Bryocamptus) intercalaris Shen & Tai, 1973

--- Rouch 1986b: 332

Bryocamptus (Rheocamptus) komii

-- Borutzky, 1962b: 243-244, fig. 1-6

Bryocamptus (Arcticocamptus) krochini (Borutzky)

~~Borutzky~~ Borutzky,
Kiefer, 1978:220

Bryocamptus (Arcticocamptus) laccophilus (Kessler)

-- --, Herbst, 1954-55. pp. 116-117, fig. 1-9

--, Jakobi, 1959, p. 276

--, Kiefer, 1958, p. 146-9, B. (Arcticocamptus) 1. " "

--, Kiefer, 1958, p. 55

-- Kiefer, 1978: 220

-- RONNEBERGER 1975: 381-, GERMANY

-- REED 1970: 229-, TYROL

-- Ishida, 1987: 78, 86 pl. 24 (syn. Canthocamptus
laccophilus, Arcticocamptus laccophilus) Hokkaido

B.L., ISHIDA 1993a: 163, 168, FIGS. 18-23, YAKUSHIMA
ISLAND, JAPAN

Bryocamptus longifurcatus Borutzky ♀ ①

— — Borutzky, 1931, p. 137 : fig. 45.

— — Boruckij, 1932, p. 23

— — BORUTSKY, 1952, p. 150, p. 62, 1-7. USSR.

Pentacamptus longifurcatus, Sterba, 1967, p. 331

Habitat. Russia. Lake Baikal

— — , Borutskiy, 1948, p. 1669

BRYOCAMPTUS LONGIFURCATUS BORUTZKY

CARD 2

-- BORUTZKY 1960:102, FIG. 49(10-11)

Bryocamptus longisetosus Borutzky ♀

-- Borutzky, 1931, p. 135: fig. 44.

-- Boruckij, 1932, p. 23

-- Borutsky, 1952, p. 182. - F. 62; 8-N USSR.

-- BORUTZKY 1960: 116, FIG. 49(5)

Habitat. Russia, Lake Baikal.

Pentacamptus longisetosus

--, Sterba, 1967, p. 331

--, Borutskiy, 1948, p. 1669

Bryocamptus (Limocamptus) luenensis (SCHAFER)

--- Rouch 1964b: 533, cave, Pyrenees

B. -, LÖFFLER 1961c: 393

CANTHOCAMPTUS ECHINATUS LUENENSIS, BREHM 1908:

451 -

C. E. L., KIEFFER 1927: 141, GERMANY

C. E. L., PESTA 1932: 116

Bryocamptus (Arcticocamptus) macedonicus Petkovski, 1962

--, Flossner, 1966, p. 226-228, figs. 2-4

— Kiefer, 1978:220

Bryocamptus madarensis Apostolor

— Kiefer, 1978:220

Canthocamptidae - Harpacticoida

Bryocamptus minusculus (Willey) ♀.

Canthocamptus — Willey, 1925.

Bryocamptus — Chappuis, 1931, p. 358.

— —, HANG, 1948, p. 1076.

--, Jakobi, 1959, p. 276

C. —, REED 1990 b: 346

Habitat. Canada, QUEBEC. BRANCH HAKE.

BRYO -

Canthocamptidae - Harpacticoidae

Canthocamptus minutus ~~Claus, ♀~~

(Müller) 17%

- — Claus, 1863, p. 122: pl. 12, f. 1-3.
- — Chappuis, 1928, p. 126 (key).
- — Chappuis, 1927, p. 516 Branchial chamber of crabs.
- — Donner 1927: 235 figs 7, 8.
- — Meissner, 1904, p. 59: pl. unkn., f. 27.
- — Schmeil, 1893, p. 31: pl. 2, f. 1-14.
- — Scourfield, 1898, p. 327.
- — T & A. Scott 1895. p. 236: pl. 4, f. 14-20.

- c. — — Uljanin, 1875, p. 26: pl. 7, f. 1-2.
— — Daday, 1885, p. 287:
— — Richard, 1891, p. 245.
— — Schweiß, 1893, p. 31: pl. 2, f. 1-14.
— — lucidulus Rehberg, 1880, p. 551.
— — minutus T. Scott, 1903, c. p. 188.
— — — Klie, 1913, p. 19.
— — Gurney, 1932, p. 120: figs. 576 - 578.
— — Pesta, 1924, p. 546.
— — Wilson, 1932, p. 232: fig. 156.
— — Willey, 1934, p. 83: fig. 23.
— — Scourfield, 1939: 117

Bryocamptus minutus Claus ♀

— — Borutzky, 1931, p. 126 : fig. 39.

— — Chappuis, 1933, p. 10 -

-- --, Chappuis 1954, pp. 223 no figs. Iran.

-- --, Chappuis, 1956, pp. 10-13. Isle of Crete.

— —, NOODT, 1954, P.P. 79.

— —, NOODT, 1956, P.P. 57.

Habitat. Russia : West Africa.

— —, LANG, 1948, P. 1074.

— —, BORUTSKY, 1952, P. 173, F. 59, 60. USSR.

B. minutus, Herbst, 1954-55. p. 116

----, Vesentini, 1960, p. 214

- - , ПАИОНА , 1968 , pp. 212-213

-- --, Ponyi, 1962, p. 141

--, Kieffer, 1957, p. 71

--, Roen, 1957, p. 84, 96

--, Sterba, 1967, p. 331

- (B) , Pesta, 1932, p. 100-1, fig. 30

--, Sterba, 1962, p. 895

--, Sterba, 1964, p. 194,

--, Sterba, 1965, p. 207

Bryocamptus minutus

card 2

- , Kiefer, 1958, p. 54
- , Kiefer, 1958, p. 146-8
- , Jakobi, 1959, p. 276
- , Kiefer, 1959, p. 44
- , Flossner, 1967, p. 227
- , SHEN & TAI, 1964d: 616, 618
- , SHEN & TAI, 1973: 366
- , ACADEMIA SINICA, 1979: 217, 218, 220-222; FIG. 118;
SYN: CANTHOCAMPTUS m.; C. LUCIDULUS; C. MINNESO-
TENSIS; C. m. SCHIZORON; C. MINUTUS MINNES.
- , Gourbault & Lescher-Moutoué, 1968, p. 736-738

Bryocamptus minutus

card 3

- , Štěrba, 1969, p. 165
- , Lescher-Moutoué & Gourbault, 1971, p. 297
- Rouch, 1980b: 230-233
- Rouch, 1980e: 303
- Rouch, 1982b: 42
- MÄEMETS & VELDRE 1956a: 16, 22 - ESTONIA
- S.L., VELDRE & MÄEMETS 1956: 97, ESTONIA
- BORUTSKY 1960: 116, FIG. 49(1-2)
- ROUCH 1964b: 533, CAVE, PYRENEES

Bryocamptus minutus Claus

card 4

- Bou & Rouch 1967: 370, Ariège, France
- Rouch 1968a: 27, RECORDS-FRANCE
- Rouch ET AL. 1968a: 722, KARST-FRANCE
- Rouch 1970d: 671-, RECORDS-FRANCE
- Rouch 1972a: 140-, BAGET, FRANCE
- Rouch + BONNET 1977a: 228-, BAGET
- Rouch + BONNET 1976a: 29-, BAGET
- Rouch + BONNET 1976b: 44-, BAGET
- Rouch + CARLIER 1985a: 78-, BAGET
- Rouch + CARLIER 1985b: 226-, BAGET

Bryocamptus minutus Claus

card 5

-- Flössner 1985: 516, Germany

CANTHOCAMPTUS -, LILLJEBORG 1902 a: 20-22, Pl. II
FIGS. 1-4, SWEDEN

CANTHOCAMPTUS -, FORRO' 1986: 559

B. -, ROUCH 1988 c: 225-, FRANCE

B. -, LÖFFLER 1961 c: 392-, IRAN

B. MINUTUS-GROUP, STRAYER 1988(89): 286-

B. (B.) -, BRANCELJ 1986: 19-, SLOVENIA

B. MINUTUS-GROUP, REED 1990 b: 346-

Bryocamptus (Br.) minutus

6

- Willey, 1925: 206
- , Kiefer, 1963, p. 1
- Mihailova-Neikova, 1968: 141-142.
- Mihailova-Neikova, 1973^{BULGARIA}: 42, fig 1-3, A
- Mihailova-Neikova, 1973^C ~~et~~ passim, fig 1, v
- Michailova-Neikova, 1975: 68 ^{BULGARIA}
- Michailova-Neikova, 1968: 204
- Damian-Georgescu, 1970: 100-103, fig. 38-39
- Gourbault & Lescher-Moutoué, 1967: 1814
- Sterba, 1968: 221

- Kiefer, 1978: 219
- Sarvala, 1986: 105-111, 126
- Sterba, 1968: 221
- ROUCH 1984: 361-, BAGET, FRANCE
- RONNEBERGER 1975: 379-, GERMANY

Bryocamptus minutus minutus (Claus)

7

--- Veldre & Mäemets 1956: 98, Pl. XVII figs. 1-3,

Estonia

B. (B.) m., REID 1990g: 183

B. m., SHIOZAWA 1991: 298

B. (B.) m., GALASSI & PESCE 1991: 1, ITALY

B. (B.) m. s.l. + s.str., CHAPPUIS 1929c: 478

B. (B.) m., KIEFFER 1968b: 159, CAVES, N. ITALY

B. (B.) m., LÖFFLER & NEUHÜBER 1970: 3, AUSTRIA

B. (B.) m., APOSTOLOU & PESCE 1991: 298-, cf.

ABERRANS n. sp.

Bryocamptus (Bryocamptus) minutus (Claus, 1863) card 8

--- Pesce 1985e: 468, wells, Italy

-- PESCE + GALASSI 1987d: 220-, ITALY

-- PANDOURSKI 1993: 165-, CAVES, BULGARIA

-- MINUTUS-GROUP, STRAYER 1985: 360-, MIRROR LAKE,
NEW HAMPSHIRE, USA

-- PANDOURSKI 1994b: 98-, BULGARIA

-- PETKOVSKI, 1984: 136, SLOVENIA

-- REID 1994: 20-21

-- REID 1996: 8, DC, USA

BRYOCAMPTUS (BRVO.) MINUTUS (CLAUS, 1863)

⑨

- PESCE + GALASSI 1989: 589, ITALY
- ROUCH 1992: 229-239, TAB. I, FRANCE
- PESCE + DE LAURENTIIS 1996: 296, ITALY
- PESCE, GALASSI + COTTARELLI 1995: 98, ITALY
- PESCE 1986: 30, GREECE
- ROUCH + DANIELOPOL 1997: 125, TAB. I, FRANCE
- KIEFER 1933: 63, TAB. I
- KIEFER 1927: 140, WATER PIPES, GERMANY
- KIEFER 1927: 155, CRAYFISH HOLES, GERMANY

BRYOCAMPTUS (BRYO.) MINUTUS (CLAUS, 1863) (10)

--- JANETZKY ET AL. 1996: 8

B.M., JÄRKKÄ ET AL. 1997: 143, TAB. 2, FINLAND

Bryocamptus (Bryocamptus) minutus minnesotensis

(Herrick, 1884)

---- Chappuis 1929c: 478

Bryocamptus (Arcticocamptus) modernus Sterba

— Kiefer, 1978: 220

Bryocamptus (Limocamptus) morrisoni morrisoni Chappuis,
1929

----- Rouch 1986b: 333

BRYOCAMPTUS MORRISONI (CHAPPUIS)

--. LANG, 1948, P. 1111.

-- HOLSINGER ET AL 1976: 20.

HAB: INDIANA + Ky. CAVES.

Bryocamptus (Limocamptus) morrisoni elegans Chappuis,
1929

---- Rouch 1986b: 333

-- ISHIDA 1992b: 80-81, FIG. 17b, 18d

BRYOCAMPTUS MRAZEKI (MINIKIEWICZ)

— —, BORUTSKY, 1952, P. 187, F. 63, -14. USSR

— —, HANG, 1948, P. 1075.

--, Jakobi, 1959, p. 276

HABITAT: CZECHOSLOVAKIA,

— Sterba, 1964: 276 - 280, fig. 8-21

-- BORUTSKY 1960: 118, FIG. 50(4)

— Kiefer, 1978: 219

B. (B.) MRAZEKI, CHAPPUIS 1929c: 478

= BRYOCAMPTUS Canthocamptidae - Harpacticoida

Canthocamptus newyorkensis Chappuis ♂♀ ①

— — Chappuis, 1927, p. 307: figs. 6-11.

BRYOCAMPTUS (B.) -, CHAPPUIS 1929c: 478

Habitat. Pelham Bay Park.

BRYOCAMPTUS

NEW YORKENSIS

(CHAPPUIS)

(2)

- —, BORUTSKY, 1952, P. 177, F. 61, 7-9. USSR. PUB.
— —, HANG, 1948, P. 1077.
--, Jakobi, 1959, p. 276

HAB: NEW YORK STATE.

- WILSON 1956: 296, LOUISIANA
-- BORUTSKY 1960: 116, FIG. 49(9)
-- STRAYER 1988(89): 286-
- SHIOZAWA 1991: 282-, MINNESOTA
- FLOSSNER 1992: 7

BRYOCAMPTUS NIVALIS (WILLEY) 1925

①

— —, HANE, 1948, p. 1111.

-- --, Miura, 1964, p. 133. driven well in Japan

--, Jakobi, 1959, p. 276

HAB. CANADA - U.S. HAKES.

--, Robertson & Gannon, 1981, p. 389

-- HOLSINGER ET AL 1976:20, W. VIRGINIA CAVES

— Nalepa, 1985: 60

(L) IMAMURA & KIKUCHI 1986: 329 - JAPAN

-- BALZER ET AL. 1984: 116

Bryocamptus nivalis (Willey, 1925)

card 2

-- Ishida, 1987: 78,87 pl. 27 (syn Attheyella nivalis) Hokkaido N. Japan

- ISHIDA, T. 1990: 40-, SW JAPAN
- STRAYER 1988(89)b: 201-, SE NEW YORK
- ISHIDA 1992b: 77-, JAPANESE RECORDS = B.
- PACIFICUS N. SP.
- ISHIDA + KOBAYASHI 1993: 112
- CZAIRA 1978b: 3-, LAKE ONTARIO
- CZAIRA 1974b: 8-, TAB. 1, LAKE ONTARIO

BRYOCAMPTUS NIVALIS (WILLEY, 1925)

③

-- REID 1996: 8, DC, USA

-- ISHIDA 1984: 53, HOKKAIDO, JAPAN

-- ISHIDA 1984: 43-48, HOKKAIDO & HONSHU, JAPAN

-- ISHIDA 1989: 2, 13, HONSHU, JAPAN

Bryocamptus pacificus Ishida, 1992

①

-- Ishida 1992b: 77-81, fig. 1-15, n. sp. female + male,
Japan; syn. B. nivalis of Ishida (1987, 1989, 1990)

and Ishida & Ito (1991); ALSO TAIWAN, S. PRIMORYE, SAKHALIN

B. NIVALIS, ISHIDA 1987: 75, 87, pl. 27, HOKKAIDO, N. JAPAN

B. NIVALIS, ISHIDA 1990: 46-, SW JAPAN

B. P., ISHIDA & KOBAYASHI 1993: 110, KAMCHATKA

B. P., ISHIDA 1993a: 166-, HOKKAIDO, USA, INO...

B. P., ISHIDA 1994b: 126-, TOKYO, JAPAN

B. NIVALIS, ISHIDA & ITO 1991: 81, FIGS. 23-26, S. PRIMORYE

BRYOCAMPTUS PACIFICUS ISHIDA, 1992

(2)

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

Bryocamptus pilosus Flössner 1990

-- Flössner 1990: 129-134, figs. 1-15, n. sp., ♀♂,
Montana, lakes

Bryocamptus pirgos Apostolov

— Kiefer, 1978: 220

Bryocamptus praegeri (Scourfield)

--, Jakobi, 1959, p. 276

— Kierfer, 1978:220

BRYO -

Canthocamptidae - Harpacticoida.

Canthocamptus pygmaeus Sars, ♂.♀.

— — Sars, 1863, p. 21 (230)

— — Chappuis, 1928, p. 128 (key).

— — , Donner, 1927: 245 figs 15-17

— — Haberbosch, 1917: 596

— — Scourfield, 1898, p. 327; 1903, p. 537.

— — Schmeil, 1893, p. 61: pl. 5, f. 1-15

— — Thallwitz, 1917, p. 159.

— — Borutzky, 1925, p. 59: pl. 2, figs. 1-5 (larva)

-- Borutzky, 1925, p. 40.

-- Kiefer, 1924, p. 200: figs. 1-7, text.

-- Gurney, 1932, p. 127: figs. 599-623.

--, Pesta, 1932, p. 105

--, Kiefer, 1923, p. 124

--, Chappuis, 1927: 47

-- Mihailova-Neikova, 1966: 206-207, fig. 2

-- Scourfield, 1939: 117

-- Kiefer, 1925: 339-343

-- CHAPPUIS 1916: 558

Canthocamptidae - Harpacticoida

Bryocamptus pygmaeus G.O. Sars ♀, ♂

— — Borutzky, 1931, p. 148: fig. 51

— — Chappuis, 1933, p. 10

Canthocamptus —, Sars, 1862, p. 21.

Attheyella — Sars, 1907, p. 202: pl. 131.

Bryocamptus (B.) —, Remy, 1944, p. 72.

Habitat. Russia: West Africa.

Bryocamptus (B) —, Klii, 1943, p. 184

" " —, Chappuis, 1954, p. 265. Djidjelli (N. Africa).

Attheyella cryptorum, Brady, 1880. vol. 2. p. 60: pl. 52, f. 1-18.

Canthocamptus borcheringi, Poppe,

-- -- Kiefer, 1955, pp. 128, No figs..

-- -- , Fetkovski, 1956, pp. 10-13, Figs. 1-14. Yugoslavia

-- -- , Chappuis, 1956, pp. 10-13. Isle of Crete

-- -- , Noodt, 1956, p. 57.

-- -- , Borutsky, 1952, p. 199, f. 65, 145. USSR.

-- -- , Lang, 1948, p. 1080. -

-- -- , Vesentini, 1960, pp. 214-215

-- -- , Wells, 1970, p. 265

-- -- , Paiotta, 1968, pp. 213-214

-- -- , Herbst 1968: 67

Bryocamptus pygmaeus (G. O. Sars) card 2

- , Kieffer, 1957, p. 71
- , Roen, 1957, p. 96
- , Sterba, 1962, p. 895
- (Br.)-, Pesta, 1932, p. 105-6, fig. 34
- , **Bertrand, 1971,**
- , Jakobi, 1959, p. 276
- , Kiefer, 1958, p. 148-9, 146, 145
- , Kiefer, 1958, p. 54
- , Klie, 1941, p. 184
- , **Flossner, 1967, p. 227**
- , **DRZYCIMSKI, 1975: TAB. 1**

--, HUSMANN, 1964: 183

--, CHAMPEAU 1971: 152.

Bryocamptus pygmaeus

card 3

--, Lescher-Moutoué, 1968, p. 744

--, Lescher-Moutoué & Goubault, 1971, p. 297

--, Rouch, 1970, p. 139

--, Sarvala, 1977, p. 130

--, Fryer, 1980: tbl. 1

— Mihailova - Neikova, 1966: 207

— Mihailova - Neikova, 1973b: 43, fig 5-6, ^{BULGARIA}_{in}

— ~~Mihailova - Neikova~~, 1973a

— Mihailova - Neikova, 1973a^c: passim fig. 3, ^{BULGARIA}

Bryocamptus (Br.) pygmaeus (SARS)

CARD 4

--, Kiefer, 1963, p. 52

--, Kiefer, 1963, p. 1

- Rouch, 1980 b: 230-233

- Rouch, 1980 e: 303

- Rouch, 1982 b: 42

-- PESCE 1983 c: 63, 77-79

- Michailova - Neikova, 1968: 205

Bryocamptus pygmaeus (G.O. Sars, 1863)

CARD 5

--, Gourbault & Lescher-Moutoué, 1968, p. 736-738

— Michailova-Neikova, 1975: 69

-- LEWIS 1984: 306, 310 - NEW ZEALAND

-- MÄEMETS & VELDRE 1956a: 16, 22 - ESTONIA

-- BORUTSKY 1960: 121, FIG. 51(6-8)

— Kiefer, 1978: 220

-- ROUCH 1968a: 24-, 27, RECORDS - FRANCE

-- ROUCH ET AL. 1968a: 722, KARST - FRANCE

-- ROUCH 1970d: 671-, RECORDS - FRANCE

Bryocamptus pygmaeus (G. O. Sars, 1863)

card 6

-- Rouch 1972a: 140 -, Baget, France

-- ROUCH 1974: 352-, BAGET

-- ROUCH + BONNET 1977a: 228-, BAGET

-- ROUCH + BONNET 1976a: 29-, BAGET

-- ROUCH + BONNET 1976b: 44-, BAGET

-- ROUCH ET AL. 1983: 98-, SPAIN

-- (BR.) - ROUCH 1984: 361-, BAGET

-- ROUCH + CARLIER 1985a: 78-, BAGET

-- ROUCH + CARLIER 1985b: 226-, BAGET

-- ROUCH 1987: 71-, ALGERIA (CAVES)

Bryocamptus pygmaeus (G.O. Sars, 1863)

card 7

- Stella & Margaritora 1975/76: 4-, Sardinia
- (BR.)-, RONNEBERGER 1975: 379-, GERMANY
- , FLÖSSNER 1985: 516, GERMANY
- LILLJEBORG 1902 a: 35-37, PL. II FIGS. 20-22,
SWEDEN
- LEWIS, M. 1986: 118-
- ARKT 1988: 302-, SOUTH WEST BALTIC
- ROUCH 1988 c: 225-, FRANCE
- CANTHOCAMPTUS-, VAN DOUWE 1909 b: 51-52, FIGS. 211-216,
GERMANY

Bryocamptus (Rheocamptus) pygmaeus (G. O. Sars) CARD 8

--- Veldre & Mäemets 1956: 97, 101, Pl. XVII figs. 6-11,
Estonia

--- DAMIAN & BOTOSANEANU 1954: 1158, ROMANIA

— Damian-Georgescu, 1970: 112-116, fig. 45-46

---, BORUTZKY 1960: 165, FIG 77(3)

— Sarvala, 1986: 126

-(B.)-, BRANCEW 1986: 19, SLOVENIA

-(B.)-, BRANCEW 1988: 3, SLOVENIA

Bryocamptus (Rheo.) pygmaeus (Sars)

card 9

B. p., Dahms 1988b: 17-, figs., Lengener Meer, Germany

CANTHOCAMPTUS -, HARDING & SMITH 1974: 6, FIG. 2

B. p., NAIDENOV & PANDOURSKI 1992a: 9, ¹¹CAVES, BULGARIA

B. (B.) -, KIEFFER 1955d: 128, TURKEY

B. (B.) -, LÖFFLER & NEUHUBER 1970: 4, AUSTRIA

B. p., PESCE 1985e: 467 - 468, WELLS, ABRUZZO, ITALY

B. (B.) -, PESCE 1984b: 305, ITALY

B. p., DAHMS 1992a: 231-, TABLE 1

---, PESCE & GALASSI 1987d: 220-, ITALY

Bryocamptus (Rheo.) pygmaeus (Sars)

card 10

- Pandourski, 1993: 165-, caves, Bulgaria
- PANDOURSKI 1994: 98, BULGARIA
- DAHMS 1992: 279, FIG. 7, NAUPLII
- PETKOVSKI & BRANCELT 1985: 6-8, FIGS. 1-9, SLOVENIA
- PYGMAEUS, PESCE & GALASSI 1989: 589-560, ITALY
- ROUCH 1992: 229-239, TAB. I, FRANCE
- PESCE & DE LAURENTIIS, 1996: 296, ITALY
- PESCE, GALASSI & COTTARELLI, 1995: 98, ITALY
- PESCE 1986: 30, GREECE

BRYOCAMATUS (RUFFO.) PYGMAEUS (G.O. SARS) (11)

--- ROUCH + DANIELOPOL 1997: 125, TAB. 1, FRANCE

- KIEFFER 1933: 60

--- JANETZKY ET AL. 1996: 11, 15, 17

--- GALASSI 1997: 695, 700, ITALY

B.P., SÄRKKÄ ET AL. 1997: 143, TAB. 2, FINLAND

Bryocamp tus pygmaeus balcanica

Petrovski, 1956

- Michailova-Neikova, 1968:206

-- PETROVSKI + BRANČEVIĆ 1985:6

Bryocamptus (Rheocamptus) pygmeus bulbochaetus Šterba,

1962

----, Šterba, 1967, p. 271, 33)

----Šterba, 1962, p. 898

~~xxxxxx~~

var. nov., Šterba, 1962, pp. 89-90, figs. 1-4, CZECHOSLO-
VAKIA

— Šterba, 1964: 281-283, fig. 22-26

— Šterba, 1964a: 289, tbl. 1

--- PETKOUSKI + BRANCELT 1985: 6

Bryocamptus (Rheocamptus) pygmeus bulbochaetus

--, Sterba, 1969, p. 165

Bryocamptus (Rheocamptus) sp.? gr. "pygmeus" Sterba

---, Sterba, 1967, p. 271, figs. 34-41, p. 356

= BRYOCAMPTUS Canthocamptidae - Harpacticoida
Canthocamptus pyrenaicus Chappuis ♀ ①

— — Chappuis, 1923.
— — Chappuis, 1928, p. 128 (Key).

Bryocamptus — , Remy, 1944, p. 73.

— —, Chappuis, 1927: 47

Bryo. (Bryo.), N. comb., CHAPPUIS 1929c: 479

Habitat.

Bryocamptus pyrenaicus (Chapuis) 1923 (2)

see Canthocamptus p. —

— —, LANG, 1948, P. 1069.

— —, BORUTSKY, 1952, P. 198, F. 64-17-19. USSR.

--, Sterba, 1967, p. 269

HABITAT: PYRENEES.

--, Jakobi, 1959, p. 275

--, BREHM 1947: 64.

--, Sarvala, 1977, p. 130

— Petkovski, 1983: 180-183, fig. 1-6

— Kiefer, 1978: 220

-- ITÔ, TATSUNORI 1970b: 486

-- CHAPPUIS & ROUCH 1959a: 198-200, FIGS. 1-4,
CAVES - PYRENEES

-- ROUCH 1964b: 533

-- ROUCH 1967: 300-, EGG NO.

-- ROUCH 1968a: 23-24, NOT A SSP. OF B. ZSCHOKKEI;
27, RECORDS - FRANCE -; Pl. III, 2, FIGS. 30-32, 37

-- (R.)-, ROUCH 1986b: 333

-- FRYER 1986: 154

-- (B.)-, BRANCELT 1986: 19, SLOVENIA

BRYOCAMPTUS REDUCTUS BORUTZIKY, 1948

-- Borutsky, 1948: 4-5, fig. 1-6.

— — Borutsky, 1952, P. 211, F. 67, 14-16. USSR.

--, Sterba, 1967, p. 331

— Kiefer, 1978: 220

-- Rouch 1968a: 23-

(R.)-, Rouch 1986b: 333

Bryocamptus rhaeticus

--, Jakobi, 1959, p. 276

--, DUSSART 1963: 520.

— Kiefer, 1978: 220

Bryocamptus (Arcticcamptus) rhaeticus (Schmeil)

--- Reed 1970: 230-, Tyrol

-- BRANCELJ 1988: 3-, SLOVENIA

-- LÖFFLER + NEUHUBER 1970: 4, AUSTRIA

--- BRANCELJ 1984: 89, 97-98, SLOVENIA

-- PESCE + GALASSI 1989: 590-591, ITALY

- RAETHICUS, PESCE, GALASSI + COTTARELLI 1995: 101

Bryocamptus (Arcticocamptus) rhaeticus

--, Kiefer, 1976, p. 112

--, Kiefer, 1963, p. 44-48

Bryocamptus rhaeticus abnobensis Kiefer - see

Arcticocamptus abnobensis

Bryocamptus rylovi Borutzky ♀

— — Borutzky, 1931, p. 146: fig. 50.

— — Boruckij, 1932, p. 21.

— — BORUTZKY, 1952, p. 198, F. 64, -13-14 USSR.

Rheocamptus rylovi, Sterba, 1967, p. 331

— —, Borutskiy, 1948, p. 1669

Habitat. Russia. Lake Baikal.

-- BORUTSKY, 1960: 121, FIG. 51(5)

BRYOCAMPTUS SIMILIS BORUTZKY.

— —, LANG, 1948, p. 1071.

--, Jakobi, 1959, p. 275

HAB: GEORGIA - USSR.

Bryocamptus spinulosus Borutzky ♀

- - Borutzky, 1931, p. 143 : fig. 48.
- - Borutzky, 1934, p. 266 : figs. 8-11.
- - BORUTSKY, 1952, p. 196, USSR.
- -, KANC, 1948, p. 1071.
- (Rheocamptus)-, Sterba, 1967, pp. 268-9, figs. 28-32, 33/

Habitat. Russia, Balkans.

354-5

- , Jakobi, 1959, p. 275 .
- Michailou - Neikova, 1975: 69
- BORUTZKY 1960: 120, FIG. 50(12); 12/

Bryocamptus (Rheocamptus) spinulosus

Borutzky

--, Sterba, 1969, p. 165

— Sterba, 1961: 684, fig. 29-30

— Kiefer, 1978: 220

Bryocamptus (Rheocamptus) spinulosus occidentalis Sterba

----, Sterba, 1961, p. 823

----, Sterba, 1962, p. 898

----, Sterba, 1962, p. 90, CZECHOSLOVAKIA

----, Sterba, 1965, p. 207

— Sterba, 1961: 682 — 685, fig. 14 — 28

— Sterba, 1964a: 289, tbl. 1

Bryocamptus (Rheocamptus) spinulosus triarticulata Sterba

----, Sterba, 1967, pp. 269, figs. 29, 30.

--, Sterba, 1968, p. 55-57, figs. 17-22

BRYOCAMPTUS STOUTI HARDING, 1958

-- HARDING, 1958: 309-313 ♀♂; FIGS. 1-18

-- LEWIS 1984: 305, 6 - NEW ZEALAND

-- REID 1986 a: 595

Canthocamptidae - Harpacticoida

Bryocamptus (Arctiocamptus) subarcticus (Willey) ♀.

Attheyella - a, Willey, 1925.

B-(A-)s - Chappuis, 1931, p. 358.

- -, HANE, 1948, p. 1085,

--, Jakobi, 1959, p. 276

- Willey, 1925: 206

Habitat. Canada - HAKE ST. JOHN.

B.S., TASH 1971: 96, 117, CAPE THOMPSON, ALASKA

B.S., TASH + ARMITAGE 1967: 132-, CAPE THOMPSON, ALASKA

Canthocamptidae - Harpacticoida

Bryocamptus tarnogradskyi Borutzky ♀, ♂

— — Borutzky, 1931, p. 129 : fig. 40, 1-5.

— — Borutzky, 1934, p. 264 : figs. 1-7.

— — Borutzky, 1952, p. 179, (F. 61 1-5.) USSR

— —, HANG, 1948, p. 1079.

--, Sterba, 1967, p. 331

Habitat. Russia.

--, Jakobi, 1959, p. 276

--, SHEN & TAI, 1973: 375

-- Borutzky, 1948: 3-

- Michailova-Weikova, 1968: 205
- Sterba, 1961: 679-681, fig. 1-13, 31
- Sterba, 1964: 275-276
- Borutsky, 1960: 121, FIG. 51(3)
- Kiefer, 1978: 219
- Ishida 1997: 29

Canthocamptidae - Harpacticoida

Bryocamptus tauricus Borutzky ♀

- — Borutzky, 1931, p. 150 : fig. 52.
- — BORUTZKY, 1952, P. 204, F. 65, 11-14, USSR.
- —, LANG, 1948, P. 1085,
- , Sterba, 1967, p. 331
- , Jakobi, 1959, p. 276

Habitat. Russia

- Kiefer, 1978: 220
- Rouch 1968a: 23 -
- (R.) -, Rouch 1986b: 333

^{ARCTICOCAMPTUS}
Bryocamptus (A.) tikchikensis Wilson

1958, pp. 321-324, figs. 8-25.

-- -- Reed, 1962, pp. 27-50.

-- -- ROEN 1962: 162-164, FIG. 36, GREENLAND

-- -- FLÖSSNER 1988(1989): 39

B. TICCHIKENSIS, TASH 1971: 96, 117, CAPE THOMPSON,
ALASKA

-- TASH + ARMITAGE 1967: 132-, CAPE THOMPSON, ALASKA

-- ROEN 1968: 1, 24, 49-50, TAB. II, GREENLAND

-- GALASSI 1997: 708

BRYOCAMPTUS

TUBERCULATUS

BORUTZKY

— — BORUTSKY, 1952, P. 189, F. 63, 1-5 USSR.

--, Sterba, 1967, p. 331

-- Borutskiy, 1948, p. 1669

-- BORUTZKY 1960: 115, FIG. 49 (3-4)

[BRYO-]

Canthocamptidae-Harpacticoida

Canthocamptus typhlops (Mrázek) ♀

— — Mrázek, 1893, p. 119: figs. 71-76, pl. 6.

— — Kessler, 1914, p. 474

— — Thallwitz, 1917, p. 159: figs. 1914, p. 492: fig. 1.

— — Gurney, 1921, p. 649.

— — Haber bosch, 1917: 596

Habitat. Europe: Caves, Cluj-

— · Chappuis, 1927: 47

- - Gurney, 1932, p. 140 : figs. 640 - 652.
- - Chappuis, 1928, p. 127 (Key).
- - Graeter, 1910, p. 113 -
- - Chappuis 1925, p. 162.

--, Pesta, 1932, p. 102

--, PATKOVSKI 1972: 25 ;

15-10

BRYOCAMPTUS TYPHLOPS (MRAZEK, 1894) ②

— —, BORUTSKY, 1952, P. 205, F. 65, 20-24 USSR.

— —, HANE, 1948, P. 1082.

(B.), Pesta, 1932, p. 102-3, fig. 31

B. (Rheocamptus) t., Sterba, 1962, p. 895

HABITAT: ENG. HOLLAND, BELGIUM, POLAND. GERMANY,

JUGOSLAVIA CZECHOSLOVAKIA.

--, Jakobi, 1959, p. 276

--, Kiefer, 1958, p. 54

--, Kiefer, 1959, p. 45, figs. 1-9

--, Petkovski, 1972, p. 25

--, Sterba, 1962, p. 88

-- BORUTZKY 1960: 123, FIG. 51(10)

— Kiefer, 1978: 220

-- ROUCH 1967: 300, egg number

-- ROUCH 1968a: 28, ARIÈGE, FRANCE —; 100

-- ROUCH ET AL. 1968a: 722, KARST - FRANCE

-- ROUCH 1970d: 671-, RECORDS - FRANCE

-- ROUCH 1972a: 140-, BAGET, FRANCE

-- ROUCH 1974: 352-, BAGET

-- ROUCH + BONNET 1977a: 228-, BAGET

Bryocamptus typhlops (Mrazek)

card 3

- Rouch & Bonnet 1976a: 29-, Baget, France
- Rouch & Bonnet 1976b: 44-, Baget
- ROUCH + CARLIER 1985a: 78-, BAGET
- ROUCH + CARLIER 1985b: 226-, BAGET
- ROUCH 1986b: 352
- ROUCH 1988 c: 225-, FRANCE
- (B.)-, BRANCELT 1986: 19-, SLOVENIA
- (B.)-, LÖFFLER & NEUHUBER 1970: 9, AUSTRIA
- B. -, ROUCH 1992b: 306
- CANTHOCAMPTUS -, KIEFFER 1927: 141, ROMANIA, GERMANY

Bryocamptus (Br.) typhlops (MRAZEK)

(4)

--, Kiefer, 1976, p. 112

- Rouch, 1980b: 230-233

- Rouch, 1980e: 303

- Rouch, 1982b: 42

- Michailova - Neikova, 1968: 206

- Sterba, 1964a: 289, tbl. 1

--- ROUCH 1984: 361-, BAGET, FRANCE

--- RONNEBERGER 1975: 380-, GERMANY

Bryocamptus (Rheocamptus) typhlops (WRAZEK, 1893) (5)

--, Sterba, 1969, p. 165

--, Petkovski, 1972, p. 25-29, figs. 11-24

- Damian-Georgescu, 1970: 116-118, fig. 47

-- PANDOURSKI 1994b: 100, BULGARIA

- - - PETKOVSKI + BRANCELT 1985: 5, SLOVENIA

- ROUCH 1992: 229-239, TAB. I, FRANCE

-- PESCE, GALASSI + COTTARELLI 1995: 101

- ROUCH + DANIELOPOL 1997: 125, TAB. I, FRANCE

-- KIEFFER 1933: 63, TAB. I

BRYOCAMPTUS (RHEOCAMPTUS) TYPHLOPS (MRÁZEK) ⑥
--- GALASSI 1991: 273-276, FIG. 1, ITALY
(FIRST RECORD)

Bryocamptus umiatensis M.S. Wilson

1958---Wilson, M.S., pp. 45-46.

-- -- Reed, 1962, pp. 27-50, COLVILLE RIVER, ALASKA

-- ISHIDA + KOBAYASHI 1992: 205-208, FIG. 1, TAB. 1,
SAKHALIN PENINSULA, RUSSIAN SIBERIA

-- ISHIDA 1997: 27, 29, KAMCHATKA PENINSULA, RUSSIAN
SIBERIA

Canthocamptidae - Harpacticoida

Bryocamptus unisaetosus Kiefer ♀

— — Kiefer, 1930, p. 227: figs. 15-19,

— —, LANG, 1948, p. 1085.

--, Jakobi, 1959, p. 276

--, Petkovski, 1972, p. 25

— Damian-Georgescu, 1970: 118-119, fig. 48

Habitat. Karst; St. Canzian; HUNGARY. ITALY.
CAVES, SUBTER. WATERS.

-- ROUCH 1968a: 28, ARIÈGE, FRANCE - CAVE

Bryocamptus (Rheocamptus) unisaetosus (Kiefer) (2)

--, Petkovski, 1972, p. 25

— Kiefer, 1978: 220

-- ROUCH 1968a: 23-

--- ROUCH 1986 b: 333, 352

-- PESCE 1986: 30, GREECE.

Bryocamptus unisetiger (Σ. Graet.)

--, Jakobi, 1959, p. 276

— Kiefer, 1978:220

Bryocamptus van douwei (Kessler)

--, Jakobi, 1959, p. 276

— Kiefer, 1978: 220

Bryocamptus (Articocamptus) vandouwei

--, Kiefer, 1976, p. ^{117,} 113-115, fig. 2

-- ROSEN 1962: 171

-- VAN DOUWEI, REED 1970: 230-, TYROL; FIGS. 10-13

-- VAN DOUWEI, LÖFFLER & NEUHUBER 1970: 4, AUSTRIA

BRYOCAMPTUS VETDOVSKYI (MRAZEK 1893)

- , BORUTZKY, 1931: 131; FIG. 41
- , BORUTZKY, 1952: 178; FIG. 61-66 - USSR
- , LANG, 1948: 1074
- , REED, 1962: 27-50
- , PAIOTTA, 1968: 215-216
- , ROSEN, 1957: 96
- , SHEN-TAI, 1973: 366
- , STERBA, 1967: 331
- , PESTA, 1932: 101-102; FIG. 30a

- , JACOBI, 1957: 276
- , KIEFER, 1958: 54
- , ACADEMIA SINICA, 1979: 218-220; FIG. 116, 117; 340:
CANTHOCAMPTUS v.; C. v. VEDJOVSKI
- , DUSSART 1963: 520.
- Michailova - Neikova, 1968: 204

Bryocamptus vej dovskýi (HRAZEK, 1893) card 2

--, Sterba, 1968, p. 165

--, Sarvala, 1977, p. 130

--, Shiozawa, 1978: passim

--, Borutzky, 1962b: 243

-- MÄENETS + VELDRE 1956a: 22, ESTONIA

- (BRYO.) -, VELDRE + MÄENETS 1956: 98-100, PL. XVII

FIG. 4, ESTONIA

•- HOLSINGER ET AL 1976: 20, W. VIRGINIA CAVES

- Nalepa, 1985: 60 (cf. vej dovskýi)

- Sterba, 1968: 221-222

- Damian - Georgescu, 1970: 104-105, fig. 41

-- BORUTZKY 1960: 118, FIGS 50(7), 70(1-5); 121,
165, FIG. 77(2)

- Kiefer, 1978: 219

- VEJDORSKYI, SHIOZAWA 1983: 57

-- , FLÖSSNER 1985: 516, GERMANY

-- SHIOZAWA 1986: 1657-, MINNESOTA

CANTHOCAMPTUS RUBELLUS, LILLJEBORG 1902a: 16-20,

PL. I FIGS. 13-16, N.SP., SWEDEN

C. RUBELLUS, PESTA 1932: 101

-- RYKOV 1932: 270

Bryocamptus vej dovskyi (Mrazek, 1893) card 3

-- Ishida, 1987: 78, 86 pl. 23 (syn Canthocamptus vej dovskyi) Hokkaido, N. Japan

-- FLÖSSNER 1989: 133, 134, FIGS. 16, 17

-- AKATOVA 1949: 354-, KOLYMA RIVER BASIN

B. (B.)-, BRANCELJ 1988: 3-, SLOVENIA

-- REED 1990b: 342-, FIGS. 21-25, FORT FRANKLIN, N.W.T., CANADA

CANTHOCAMPTUS -, RYKOV 1923: 89-90, PL. III FIG. 38-40, MANCHURIA; GIVES SYNONYMY

A.-, STRAYER 1988(89)b: 201-, SE NEW YORK, USA

Bryocamptus vej dovskyi (Mrazek, 1893)

card 4

-- Shiozawa 1991:289-, Minnesota

B. (B.) VEJDovskyi, CHAPPUIS 1929c: 478

B. (B.) v., LÖFFLER & NEUHUBER 1970: 3, AUSTRIA

-- ISHIDA & KOBAYASHI 1992: 207, TAB. 1, SAKHALIN
PENINSULA, RUSSIAN SIBERIA

Canthocamptidae - Harpacticoida

Bryocamptus vej dovskyi minutiformis Kiefer ♀

— — — Kiefer, 1934, p. 206: fig. 1.

— — — REED 1990b: 346, 348

Habitat. Cheshire, Conn.

Bryocamptus washingtonensis M.S. Wilson, 1958

1958---Wilson, M.S., pp. 45, N.S.P., ♀♂, BENT, KING Co.,
WASHINGTON (TYPE LOCALITY) AND NEAR
CORVALLIS, BENTON Co., OREGON. DIAGNOSIS ONLY,
NO FIGURES.

- WILSON, M.S. + H. C. YEATMAN 1959:

- KING ET AL. 1996: 96-116, VERNAL POOLS, NORTHERN
CALIFORNIA, USA

- SCANLIN + REID 1996: 104, VERNAL POOLS, N. CALIFORNIA

Canthocamptidae - Harpacticoida

Bryocamptus weberi (Kessler) ♂, 1914

- — Kiefer, 1929, p. 319: figs. 1-2
— — Lang, 1933, p. 1: figs. 1, a-b. (2 ovisacs).
— —, BURUTZKY, 1952, p. 206, F. 65, 15-18, USSR.
— —, LANG, 1948, p. 1083,
- (Br.)-, Pesta, 1932, p. 104-5, fig. 33

Habitat. Black Forest.

--, Jakobi, 1959, p. 276

-- ROUCH 1968a: 28, ARIÈGE, FRANCE

--, Kiefer, 1958, p. 145-9

--, Kiefer, 1958, p. 54

-- MÄEMETS + VELDRE 1956a: 22

-- BORUTSKY 1960: 120, FIGS. 50(8), 51(11); 123

Bryocamptus (Rheocamptus) weberi (Kessler)

(2)

--- Veldre & M^aaemets 1956: 98, 101-102, Pl. XVII figs.
12-14, Estonia

— Kiefer, 1978: 220

B(B.)-, LÖFFLER & NEUHUBER 1970: 4, AUSTRIA
B.W., LANG 1933: 1-2, FIG. 1, GERMANY; SYN. B.

WEBERI BISSETOSUS

B.W., LANG 1935: 6

BAYOCAMPTUS (RHEOCAMPTUS) WEBERI BISETOSUS
LANG

-- LANG 1933: 1-2, SYN. OF B. WEBERI S.STR.

BRYOCAMPTUS YOHTEIENSIS ISHIDA, 1997

-- ISHIDA 1997: 25-30, FIGS. 1-3, N.SP., HOKKAIDO, JAPAN

Bryocamptus zschokkei Schmeil ♀, ♂

— — Borutzky, 1931, p. 137 : fig. 46.

— — Kiefer, 1929, p. 320 : figs. 3 - 6.

— — Remy, 1944, p. 72.

— (B) — Klie, 1943, p. 184

— — —, Chappuis 1954, pp. 223, (Iran)

Habitat. Russia, Black Forest;

— —, LANG, 1948, p. 1066.

— —, BORUTSKY, 1952, p. 191, F. 64, -12- USSR

~~— —, STERBA, 1955, p. 2.~~

- -, Banarescu, 1971, p. 147

--, Roen, 1957, p. 84, 96

- (Pr.), Pesta, 1932, p. 103-4, fig. 32

--, Bertrand, 1971, ~~p. 9~~

--, Sterba, 1962, p. 895

--, Sterba, 1965, p. 207 (Rheocampes)

--, Jakobi, 1959, p. 275

- (B.)-, Kiefer, 1958, p. 54

--, Kiefer, 1958, p. 148-9

--, Klie, 1943, p. 184

--, Shiozawa, 1978: Passim

BRYOCAMPUS ZSCHOKKEI

CARD 2

- , LOFFLER, 1959: 268
- , LESCHER-MOUTOUÉ, 1978: 157
- , SHEN & TAI, 1964 d: 618, 626
- , SHEN & TAI, 1973: 366
- , DUMONT & DEGRAEMER, 1977: 258, 275
- , DUSSART 1966: 292.
- , Lescher-Moutoué & Gourbault, 1971, p. 297
- , Robertson & Gannon, 1981, p. 389.
- Rouch, 1980 b: 230-233

Rouch, 1980e: 303

Rouch, 1982b: 42

-- BRICKER ET AL. 1976: 267.

Bryocamptus zschokkei (SCHMIDT)

--, Gourbault & Lescher-Moutoué, 1968, p. 736-738

--, Flossner, 1970, p. 277

--, Sarvala, 1977, p. 115-130, figs. 2-8

-- REY & DUPIN 1973a: 124-133, PYRENEES.

-- MÄENETS & VELDRE 1956a: 22

-- HOEBEL 1978: 21, 43 - MARION LAKE, B.C.

-- SHIOZAWA 1983: 57

-- ITÔ, TATSUNORI 1970b: 486

-- CHAPPAIS & ROUCH 1959a: 198, PYRENEES

Bryocamptus zschokkei (Schmeil)

card 4

-- Rouch 1964b: 533, cave, Pyrenees

-- Rouch 1967: 300-, EGG NOS.

-- Bou + Rouch 1967: 370, ARIÈGE, FRANCE

-- Rouch 1968a: 23-24, B. PYRENAICUS NOT A
SSP. OF B. ZSCHOKKEI; 27, RECORDS-FRANCE -;
Pl. IV, 1, FIGS. 27-29, 36

-- Rouch ET AL. 1968a: 722, KARST-FRANCE

-- Rouch 1970d: 671-, RECORDS-FRANCE

-- Rouch 1972a: 140-, BAGET, FRANCE

-- Rouch 1974: 352-, BAGET

Bryocamptus zschokkei (Schmeil)

- Rouch & Bonnet 1977a: 228-, Baget, France
- ROUCH + BONNET 1976a: 29-, BAGET
- ROUCH + BONNET 1976b: 44-, BAGET
- ROUCH + CARLIER 1985a: 78-, BAGET
- ROUCH + CARLIER 1985b: 226-, BAGET
- SHIOZAWA 1986: 1657-, MINNESOTA
- BALGER ET AL. 1984: 116
- B. (B.)-, LEWIS, M. 1986: 118-
- O'DOHERTY 1986: 633, GEORGIA
- SHIOZAWA 1991: 292-, MINNESOTA

Bryocamptus zschokkei (Schmeil, 1893) card 6

-- Ishida, 1987: 78, 85 pl. 22 (syn Canthocamptus zschokkei) Hokkaido, N. Japan

CANTHOCAMPTUS-, VAN DOUWÉ 1909b: 53-54, FIGS.
223-227, GERMANY

- LÖFFLER 1961c: 393

- ISHIDA, T. 1990: 40-, SW JAPAN

Bryocamptus (Br.) zschokkei (SCHMEL) ④

-- REED 1970: 229-, TYROL

--, KIEFER, 1976, p. 112

--, KIEFER, 1963, p. 44-46

--, FLOSSNER, 1966, p. 225

--, SARVALA, 1977, p. 115-116

- O'DOHERTY ~~et al.~~, 1985: passim

--- IMAURA & KIKUCHI 1986: 329-330, FIG. 2 F-JAPAN

--- ROUCH 1984: 361-, BAGET, FRANCE

--- RONNEBERGER 1975: 380-, GERMANY

Bryocamptus (Br.) zschokkei (Schmeil)

card 7

- G. Hunt 1979: 248, Colorado
- DIBBERN & ARLT 1989: 280 -
- ROUCH 1988c: 225, FRANCE
- (B.)-, REID 1990b: 175, DC
- (B.)-, BRANCKLT 1986: 19, SLOVENIA
- (B.)- S. LAT., BRANCKLT 1988: 3, SLOVENIA
- , STRAYER 88(89)b: 197, S.E. NEW YORK, USA
- , ISHIDA ET AL. 1991: 63, LAKE KUSSHARO, JAPAN
- FLÖSSNER 1992: 7

Bryocamptus (Bryocamptus) zschokkei (Schmeil) card 8

--- s. str. & s. l., Chappuis 1929c: 479

B. z., ISHIDA 1993a: 167, JAPAN

B. (B.) -, KIEFFER 1968b: 159, CAVES, N. ITALY

B. (B.) -, LÖFFLER + NEUHUBER 1970: 4, AUSTRIA

B. -, ROUCH 1992b: 306

B. -, CZAIKA 1978b: 1-, LAKE ONTARIO, NEW RECORD FOR LAKE

B. -, ISHIDA 1994b: 126-, TOKYO, JAPAN

--- PESCE + GALASSI 1987d: 221-, ITALY

-- STRAYER 1985: 360-, MIRROR LAKE, NH, USA

Bryocamptus (Bryocamptus) zschokkei (Schmeil) card 9

-- Ishida & Ito 1991: 77-, S. Primorye, E. Siberia

-- PANDOURSKI 1994b: 98-, BULGARIA

-- ANDERSON, R.S. 1974: 859, TAB. 1 (WESTERN CANADIAN ROCKIES)

-- CAMERON + LARSON 1993: 32, TAB. 5, SURPRISE LAKE, ALASKA. DOUBTFUL RECORD.

-- PETKOVSKI 1984: 136, SLOVENIA

-- REID 1996: 8-9, DC, USA

-- PESCE + GALASSI 1989: 590, ITALY

BRACHAMPTUS (B.) ZSCHOKKEI (SCHMEIL)

10

- ISHIDA 1984: 53, HOKKAIDO, JAPAN
- ISHIDA 1989: 2, 12, HONSHU, JAPAN
- ISHIDA 1989: 25, 27, HOKKAIDO, JAPAN
- ISHIDA 1995: 299, TAB. 1, HOKKAIDO, JAPAN
- ISHIDA + KOBAYASHI 1992: 207, TAB. 1, SAKHALIN PEN.
- ROUCH 1992: 229-239, TAB. 1, FRANCE
- PESCE + DE LAURENTIIS 1996: 296, ITALY
- PESCE, GALASSI + COTTARELLI 1995: 98, ITALY
- PESCE 1986: 30, GREECE
- ROUCH + DANIELOPOL 1997: 125, TAB. 1, FRANCE

Bryocamptus (Rheocamptus) zschokkei (Schmeil)

- , Sterba, 1969, p. 165
- Michailova - Neikova 1968: 205
- Gourbault & Lescher - Montoué, 1967: 1814
- Kiefer, 1978: 220
- Sterba, 1964a: 289, tbl. 1
- Apostolov 1991: 141, CAVE, BULGARIA
- B. z., Ishida 1992: 251, 254, cf. B. HIATUS
- B. (R.) -, Janetzky et al. 1996: 11, 17
- B. (R.) -, Galassi 1997: 700, ITALY

Canthocamptidae - Harpacticoida

Bryocamptus zschokkei (Schmeil).

alleganiensis, Coker, n. subsp. ♂ ♀.

— — Coker, 1934, p. 93: pl. 4, figs. 1-19.

— —, Vesentini, 1960, p. 213

— —, Paietta, 1968, pp. 214-215

— — : Carter & Bradford, 1972, pp. 10-18, figs. 7-11. Development, SW VIRGINIA

Habitat. Allegany State Park, N.Y.

—, Anderson, 1974, p. 859

— O'Doherty & ~~Stasse~~, 1985: 555 - passim

Bryocamptus zschokkei alleghaniensis COKER CARD 2

- BOWMAN 1971c: 167, FIG. 9

--, Sarvala, 1977, p. 116

-- HOLSINGER ET AL 1976: 20, W. VIRGINIA CAVE

--- REID 1987d: 694

--- DIRBERN & ARLT 1989: 282-

--- REID 1996: 9, DC, USA

Bryo camptus zschokkei var. apiculosus

-- -- Sterba, O. 1954. pp. 52-53. no Figs.

— —, Sterba, 1955, p. 2.

Bryocamptus zschokkei balcanicus - see B. balcanicus

Brycamptus zschokkei caucasicus Borutzky

--- ---, Ponyi, 1962, p. 94

~~B. (Rheocamptus) zschokkei caucasicus f. triarticulata~~
~~Sterba; Sterba, 1967, p. 269, fig. 27., p. 331,~~

~~3540~~

-, SHEN & TAI, 1964d: 618, 627, 628, 639

-, SHEN & TAI, 1973 : 366

-, ACADEMIA SINICA, 1979: 218, 223-226; FIG. 120, 121; 340:
B. CAUCASICUS ; B. z. HIMALAYENSIS ; B. z. ORIENTALIS ;
B. z. SIMILIS ; B. z. YUNNANENSIS ; B. z. SINKIANGENSIS

- Mihailova-Neikova, 1965: 76

- Mikhailova-Neikova, 1973^b: 42, fig. 4, 1 BULGARIA
- ~~Mik-Neik~~ 1973a: *passim* c BULGARIA
- Mikhailova-Neikova, 1973^a: *passim*, fig. 2
- Michailova-Neikova, 1975: 69
- Damian-Georgescu, 1970: 109-112, fig. 43-44
- Borutzky 1960: 120, FIG. 50 (9-10); 121, FIG. 50 (11)
- Kiefer, 1978: 220
- Borutzky 1966: 770, 771 - CAVES, MARINE TERRITORY
- (B.) = C. CAUCASICUS, BRANCELT 1986: 19; SLOVENIA
FIGS. 4, 5
- B. = CAUCASSICUS, CHANG & KIM 1992: 70, MT. HANBAK,
KOREA

Bryocamptus (Rheocamptus) ^czshokkei caucasicus card 2

----- Shen & Sung 1965c: 392, 400

--- BORUTSKY 1966: 770, PRIMORSKY KRAI, RUSSIA

Bryocamptus (Rheocamptus) zschokkei caucasicus f.
triarticulata Sterba, 1967

-----, Sterba 1967: 269, 331, 354-356, fig. 27,
Kazakhstan.

-----, Rouch 1986b: 333

Canthocamptidae - Harpacticoida

Bryocamptus zschokkei, subsp. frigidus (Willey)

Attheyella frigida, Willey, 1925,
B-z-f - Chappuis, 1931, p. 357.

Habitat, Canada.

Bryocamptus (Bryocamptus) zschöckei himalayensis

(Chappuis, 1928)

----- Chappuis 1929c: 479

Bryocamptus zschokkei kalinae Petkovski

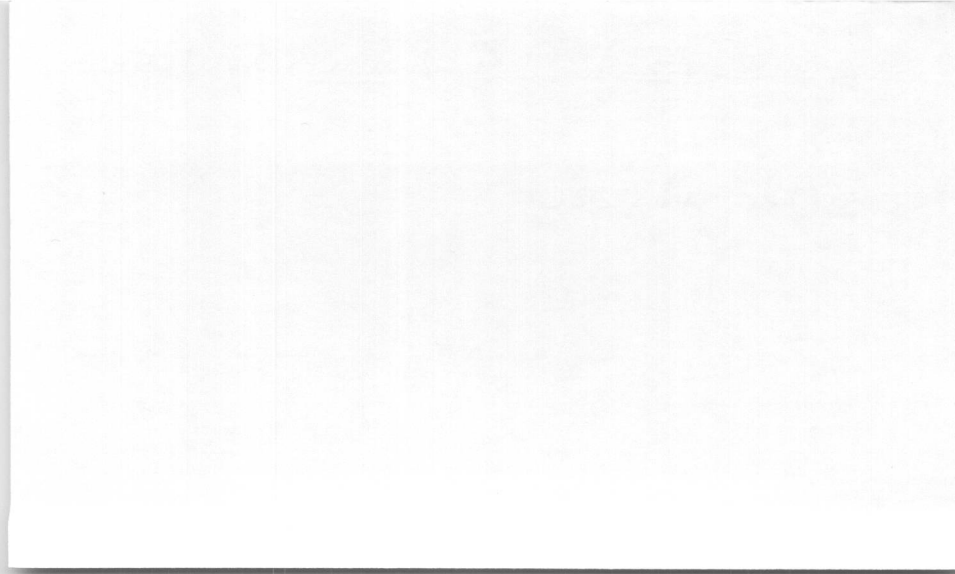
1956---pp. 189-190, figs. 16-24.

---, Sterba, 1967, p. 269

- (R.) - f. KALINAE, ROUCH 1986b: 333

Bryocamp 25 chokkei Komi (Borutzky)

—
— Kiefer, 1978:220



Bryocamptus zschokkei orientalis Chappuis 1928

- -- Petkovski, 1962, pp. 93
- , SHEN & TAI, 1973: 366
- Lindberg, 1962e: 11
- LÖFFLER 1961c: 393
- CHAPPUIS 1929c: 479

Bryocamptus (Rheocamptus) zschokkei sinkiangensis

Shen & Sung 1965

---- Shen & Sung 1965c: 391-393, 399-400, figs. 8-17,
n. ssp., nw China

Bryocamptus zschokkei tatraensis
(Minkiewicz, 1916)

— Michailova-Neikova, 1968:205

--- CHAPPUIS 1929c:479

Bryocamptus zschokkei forma triarticulata Kiefer 1929

---, Kiefer, 1958, p. 149, 146

--, SHEN & TAI, 1964d: 626

BRYOCAMPTUS (RHEOCAMPTUS) ZSCHOKKEI
YUNNANENSIS SHEN & TAI, 1964

-- SHEN & TAI, 1964 d: 616, 617, 618, 626-628, 639; FIG.
22-32; TAB. 1, 2, 6

BRYOCAMPTUS ZSCHOKKEL ZSCHOKKEL (SCHMEL)

---, BORUTZKY 1960: 120, FIG. 50(13); 121

Bryocamptus (Rheocamptus) zschokkei zschokkei (Schmeil)

----, Sterba, 1962, p. 88

--, SHEN & TAI, 1964d: 627, 628, 639

--, SHEN & TAI, 1973: 366

— Mihailova-Neikova, 1964: 127-128, fig 3-7.

---- VELDRE & MÄEMETS 1956: 97, 100-101, Pl. XVII

FIG. 5, ESTONIA

— Sterba, 1964: 280-281

— Damian, - Georgescu, 1970: 106-109, fig. 42

BRYOCAMPTUS SP.

- HOLSINGER ET AL 1976: 20, W. VIRGINIA CAVES
B.(B.) -, STRAYER 1988(89) 6: 201-, SE NEW YORK
- MIKHAILOVA-NEIKOVA 1968: 144-145, FIGS. 3-10,
BULGARIA.

BRYOCAMPTUS sp.

- REID + ESTEVES, 1984: 310, 313, 321
- ROUCH 1970c: 211, MOULIS, FRANCE
- REID 1996: 9, DC, USA
- ISHIDA 1995: 299, TAB. I, HOKKAIDO, JAPAN
- ISHIDA + KOBAYASHI 1992: 207, TAB. I, SAKHALIN PEN.
- KIEFER 1933: 63, TAB. I
- HUNT + STANLEY 1997: 140, OKLAHOMA, USA
- WYNGAARD ET AL. 1997: 4-7, TAB. I, MARYLAND, USA

Bryocamptus sp. Strayer, 1989

-- Strayer 1988(89):279,286, New York, USA

-- Reid 1990d:232

Bryocamptus spp.

Evans 1984: 490; Lake Michigan.

BRYOCAMPTUS spp.

-- LEWIS 1984: 306, NEW ZEALAND

— Michailova - Neikova, 1968: 206

Bryocamptus spp.

--, Ito, T., and T. Takashio, 1981, p. 279

--, Sarvala, 1977, p. 115-130

Bryocamptus

Chappuis, 1929

B. minutus.

Syn. Bryocamptus, Chappuis, 1929, p. 43.

- LEWIS 1984: 310, DISTRIBUTION
- BORUTZKY 1960: 101; 115-123, KEY TO SOME SPA.; 164
- ROUCH 1986b: 352, HISTORY OF SUBGENERA

First, 2nd, + 4th endopods 2-segd, 3rd endopod
3-segd, middle segt with mucronate spine, end
segt with 2 setae: 2nd endopods asymmetrical.

BRYOCAMPTUS J. L. CHAPPUIS, 1929

CARD 2

- IZAWA 1987: 194

- LEWIS 1986: 115-

- WILLIAMSON 1991: 795-

- CHAPPUIS 1929c: 478-479, DIAGNOSIS, LIST OF SUBGENERA;

TYPE B. (B.) MINUTUS (CLAUS)

BRVOCAMPTUS (ARCTICOCAMPTUS) CHAPPUIS, 1929

-- LEWIS, M. 1986: 117-

-- CHAPPUIS, 1929c: 479, DIAGNOSIS, SPECIES LIST

BRYOCAMPTUS (BRYOCAMPTUS) S. STR. CHAPPAIS, 1929c

-- LEWIS, M. 1986: 118 -

- CHAPPAIS 1929c: 478-479, DIAGNOSIS, SPECIES LIST

- APOSTOLOV & PESCE 1991: 300 -

SEE ALSO LIMOCAMPTUS

-, Lang 1948: 1101, A SUBGENUS OF BRYOCAMPTUS

BRYOCAMPTUS (PENTACAMPTUS) BORUTZKY, 1952

- ROUCH 1986b: 352

BRYOCAMPTUS (RHEOCAMPTUS) BORUTZKY, 1952

- ROUCH 1986b: 352

Bryocamptus (Bryocamptus) aberrans Apostolov &

Pesce, 1991

--- Apostolov & Pesce 1991: 297-301, figs. 1-10, female
only; cave near Iskar River, NW Bulgaria

Canthocamptidae - Harpacticoida

Bryocamptus abnobensis (Kiefer) ♂, ♀.

— — Kiefer, 1933, p. 185: figs. 7-17

--, Jakobi, 1959, p. 276

Habitat. Germany

Bryocamptus (Arcticocamptus) abnobensis

--, Kiefer, 1963, p. 47-48, fig. 9-19

— Kiefer, 1978: 220

--- REED 1970: 229-, TYROL

Bryocamptus alpestris

(Vogt)

--, Jakobi, 1959, p. 276

— Kiefer, 1978:220

Bryocamptus (Articocamptus) alpestris

--, Kiefer, 1976, p. 113-115

B. (ARCTICO.) -, LÖFFLER & NEUHUBER 1970: 4, AUSTRIA

Bryocamptus (Arcticocamptus) alpinus

Arcticocamptus alpinus, Löffler 1973: 18

Canthocamptidae - Harpacticoida

Bryocamptus aquaeductus Borutzky ♀

-- Borutzky, 1931, p. 152 : fig. 53

-- Borutzky, 1934, p. 267: figs. 12-17.

-- BORUTZKY, 1952, P. 203, F. 65, 6-8 USSR.

--, LANG, 1948, P. 1086,

--, Sterba, 1967, p. 331

Habitat. Russia, CAUCASUS.

--, Jakobi, 1959, p. 276

-- Mihailova - Neikova, 1966: 207-208, fig. 3

-- BREHM 1947: 64.

- BULGARIA
- Mikhailova - Neikova, 1973b: 44; fig 7-9, 1
 - Michailova - Neikova, 1975: 69-70
 - Michailova - Neikova, 1968: 206
 - Kiefer, 1978: 219

BRYO-

Canthocamptidae - Harpacticoida

Canthocamptus arcticus Lilljeborg, ♀, ♂

①

— Lilljeborg, 1902a: 37-40, Pl. II FIG. 23, Pl. III FIG. 1-4,
SWEDEN

— Borutzky, 1925, p. 39.

— Chappuis, 1928, p. 127 (key).

—, Borutsky, 1952, p. 215, F. 68, 1-12. USSR.

Habitat, Sweden: Norway: Greenland: Switz-
erland.

—, Pesta, 1932, p. 109

— Haberbosch, 1917: 596 - passim.

— Haberbosch, 1920: 108

Canthocamptidae - Harpacticoida

Bryocamptus (Arcticocamptus) arcticus Lilljeborg ⁽²⁾
♀, ♂

— — Borutzky, 1931, p. 154: fig. 54.

— — Schäfer, 1934, p. 274: t-figs. 2-10.

— —, LANG, 1948, p. 1098.

--, Jakobi, 1959, p. 276

--, DAGGETT & DAVIS, 1974: 301

Habitat. Russia, NORWAY, SWEDEN, LAPPLAND,
SWITZERLAND.

-- ROEN 1962: 164, GREENLAND

— Kiefer, 1978: 220

—Willey, 1925:206

Bryocamptus (Arcticocamptus) arcticus (Lilljeborg, 1902) 3

B. a., Daggett & Davis 1974b: 676-, Newfoundland

B. a., DAGGETT + DAVIS 1975: 51-, " SWEDEN

ANTHOCAMPTUS -, ERMAN 1904: 32-, PL. I FIG. 1,

B.(A.) -, JANETZKY ET AL. 1996: 11

Bryocamptus arndti

(Kiefer)

--, Jakobi, 1959, p. 276

— Flossner, 1966: 225

— Kiefer, 1978: 220

Canthocamptidae - Harpacticoida

Bryocamptus australis Coker, n. sp. ♂ ♀.

— — Coker, 1934, p. 98: pl. 5, figs. 1-15.

— —, BORUTSKY, 1952, p. 189, F. 63-15- USSR.

— —, LANG, 1948, p. 1078.

— —, Jakobi, 1959, p. 276

— —, Borutskiy, 1948, p. 1672

Habitat. In moss White Lake, N.C.

— —: Coker, 1938: 132¹³³. White Lake, NC. Along shore.

— —, BORUTSKY, 1960: 121, FIG. 51(4)

— — COKER 1938: 76, WHITE LAKE, N.C. (REPEATS RECORD)

Canthocamptidae - Harpacticoida

Bryocamptus baikalensis Borutzky ♀ ①

— — Borutzky, 1931, p. 145: fig. 49.

— — Boruckij, 1932, p. 21

— — BORUTZKY, 1952, P. 197, F. 64, -15. USSR

Rheocamptus baicalensis, Sterba, 1967, p. 331

Habitat. Russia: Lake Baikal.

— — , Borutskiy, 1948, p. 1669

— — Damian-Georgescu, 1970: 119-121, fig. 49

BRYOCAMPTUS BAIKALENSIS BORUTZKY

②

--, BORUTZKY 1960: 123, FIG. 51(9)

— KIEFER, 1978: 219

($\frac{1}{2}$) ISHIDA 1992 b: 80-81, FIG. 17a, 18c

= B. BALCANICUS

Canthocamptidae narjaticolae

Bryocamptus zschokkei balcanicus Kiefer. ♀ (1)

— — Kiefer.

— — Chappuis, 1936, p. 324: fig. 1.

--, Sterba, 1967, p. 269: B. z. balcanicus f. babunae
Petkovski

--, SHEN & TAI, 1964d: 618, 627

Habitat. Jugoslavia.

— Kiefer, 1978: 220

--, BRENN 1947: 64.

-- CHAPPAIS & ROUCH 1959a: 200, 202

Bryocamptus (Rheocamptus) balcanicus (Kiefer, 1933)



--- Rouch 1986b: 332, 352

B. (BRVO.) -, BRANCELT 1986: 19; SLOVENIA;

FIGS. 2, 3; SYN. B. BALCANICUS F. BABUNAE

B. ZSCHOKKEI BALCANICUS, ROUCH 1968a: 23

Bryocamptus balcanicus babunae Petkovski, 1956

1956---pp. 190-192, figs. 28-32.

- (R.) - f. babunae, ROUCH 1986b: 332

- - -, BRANCELJ 1986: 21, SYN. OF B. BALCANICUS STR.