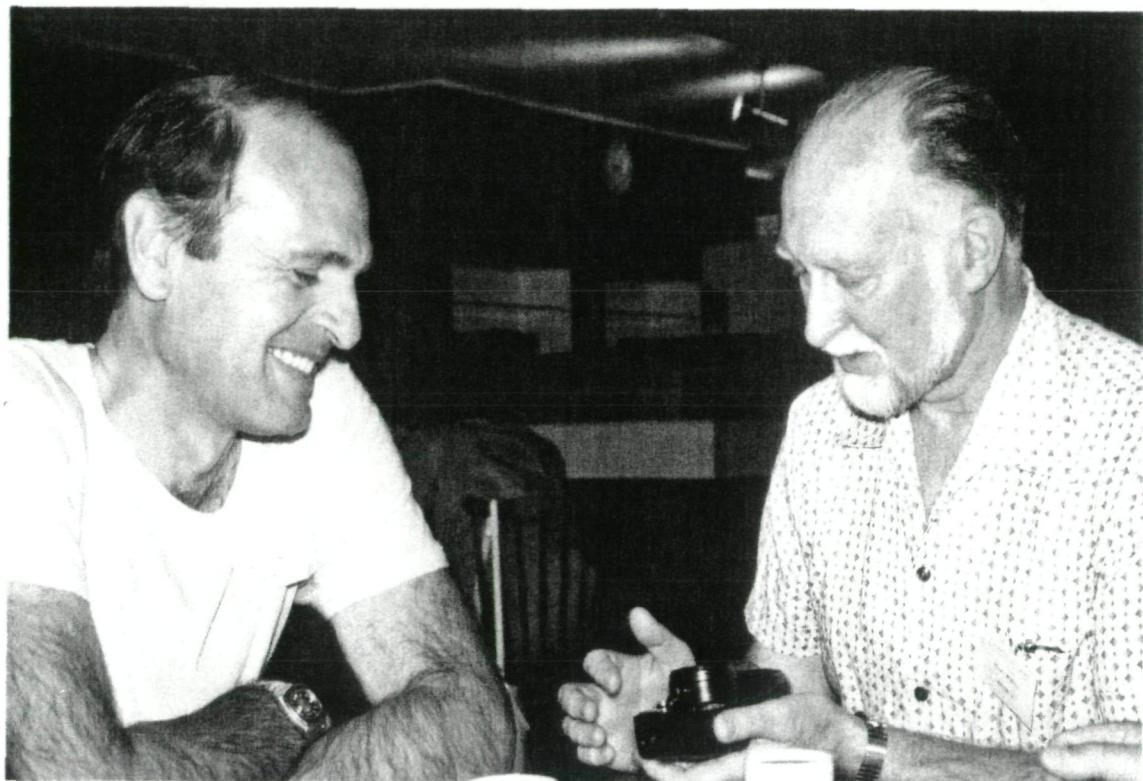


BRAUERIA (Linz am See, Austria) 34:7-13 (2007)

Krassimir Kumanski



Krassimir Kumanski (at left, with A. Neboiss) in 1986

Dr Krassimir Kumanski passed away on the 11th of July 2006, at the age of 67. His death is an irreplaceable loss for both his family and Bulgarian Zoology.

Krassimir Kumanski was born on 19 March 1939 in the town of Devnya, Northeastern Bulgaria. In 1960 he started his degree at the University "Kliment Ochridski" in Sofia, Bulgaria, and finished it in 1966 at the former Leningrad State University in Sankt Petersburg, Russia. In the same year (1966), he began to work as a specialist in the Department of Hydrobiology at the Institute of Zoology, Sofia, and in 1969 became Assistant Professor. In 1974, he changed his working place and since then until his retirement he worked as an entomologist in the Department of Entomology at the National Museum of Natural History, Sofia. He gained his PhD degree in 1977 and since 1983 was Associate Professor. In the period 1989-1993, for one mandate, he managed the Museum as the Director.

Almost the entire working career of Dr. Kumanski was devoted to scientific investigations in the fields of Entomology and Hydrobiology, considering the faunistics, taxonomy, zoogeography and conservation of caddisflies (Trichoptera). He started work on this group at a time when knowledge on the group in Bulgaria were very modest (only known from scanty collecting trips and material identified by foreign specialists), and over 4 decades he changed the caddis flies into one of the best investigated invertebrate groups in the country. To a lesser degree, he was interested as well in the

Bulgarian representatives of the orders Plecoptera and Odonata. He described two new genera – *Psilopterygopsis* Kumanski, 1980 and *Chaetopteroides* Kumanski, 1987, and 84 new species of Trichoptera from the Balkan Peninsula, Romania, Turkey, Caucasus, Siberia, Korea, Papua New Guinea and Cuba. High points of his creative work are both volumes on the Trichoptera in the series "Fauna Bulgarica": Annulipalpia (vol. 15) and Integripalpia (vol. 19), where he included many original figures and maps for about 253 species. Many of his taxonomic studies, especially those on the Balkan and Korean fauna of caddisflies, are also of special importance. The results of his investigations are published in almost 98 scientific papers. His scientific papers were cited at least 470 times (until 31 Dec 2005). His colleagues from Europe have acknowledged Kumanski as one of the best taxonomists on Trichoptera in the Palaearctic Region. For the time being, the Neotropic genus *Kumanskiella* Harris & Flint, 1992, and 9 species and subspecies bear either his proper or his family name. The identification works of Dr Kumanski have been frequently used in Bulgaria for various monitoring and nature conservation studies on water ecosystems.

Krassimir Kumanski was good at both Russian and English, and also used German in his scientific activities. Outside his scientific career, Dr. Kumanski published around 50 articles on different public aspects – political, town planning, popular zoological topics, etc.

Principal scientific achievements:

- description of two new genera – *Psilopterygopsis* KUMANSKI, 1980 (synonym of *Kelgena*) and *Chaetopteroides* KUMANSKI, 1987, and 84 new species of Trichoptera from the Balkan Peninsula, Romania, Turkey, Caucasus, Siberia, Korea, Papua New Guinea and Cuba;
- description of the larval stages of 9 species of Trichoptera;
- publishing of some genera and more than 150 species as new to the fauna of Bulgaria, as well as some other genera and species new to the faunas of Macedonia, Albania, Asia Minor, Caucasus, Korean Peninsula, etc.;
- investigation of the biology and phenology of Trichoptera from the most of the bigger mountains in Bulgaria – Rhodopes, Osogovo, Stara Planina (= Balkan Ridge), Rila, Pirin, Strandzha;
- zoogeographical analysis of the Bulgarian caddis flies;
- proposal of some species of Trichoptera as bioindicators for water ecosystems;
- including 4 species of Odonata in the “Red Book of Black Sea”;
- participation of some international and national scientific projects with biodiversity and conservation aspects;
- participation with official reports to the following international symposiums on Trichoptera: Reading, England (1977); Perugia, Italy (1980); Clemson, USA (1983), Lyon, France (1986), Łódź-Zakopane, Poland (1989), Osaka, Japan (2003);
- visits as a scientific and methodological consultant to Cuba (1978), North Korea (1982), Macedonia (1990-91), South Korea (1999), Germany (2003-04);
- member of the Korean Entomological Society (Seoul), of several Bulgarian zoological societies; beginning from 1992 member of the advisory board of the international journal “Braueria”; member of the editorial board of the “Historia naturalis bulgarica” – since its establishment in 1989 until his death;
- 4. *Goerodes kumanskii* MALICKY, 1982 (Trichoptera: Lepidostomatidae) from Tunesia: MALICKY, H., 1982. Neue Köcherfliegen (Trichoptera) aus Tunesien, Spanien und dem Iran. - Ent. Zeitschr., 15: 210-216.
- 5. *Rhyacophila kumanskii* SPURIS, 1988. (nom. nov. for *Rhyacophila lepnevae* KUMANSKI, 1981, nom. praecoccup.) (Trichoptera: Rhyacophilidae), from The Caucasus: SPURIS, Z. 1988. A Review of the fauna of the caddisflies of the USSR. - Latv. PSR Zinatnu Academijas Vestis, 6 (491): 88-92. [in Russian]
- 6. *Psychomyia kumanskii* SCHMID, 1997 (Trichoptera: Psychomyiidae) from India: SCHMID, F., 1997. Le genre *Psychomyia* en Inde (Trichoptera, Psychomyiidae). - Fabreries, 22 (1-2): 1-56.
- 7. *Metricchia kumanskii kumanskii* (BOTOSANEANU, 1991), as *Ochrotrichia (Metricchia) kumanskii* (Trichoptera: Hydroptilidae) from Hispaniola (Haiti): BOTOSANEANU, L. 1991. Amsterdam Expeditions to the West Indian Islands, Report 71. Trichopteres d’Haiti. - Bull. Inst. R. Sci. Nat. Belg., Entomol., 61: 113-134.
- 8. *Metricchia kumanskii jamaicae* BOTOSANEANU, 1998 (Trichoptera: Hydroptilidae) from Jamaica: In: BOTOSANEANU, L. & E. HISLOP. 1998. A systematic and biogeographic study of the caddisfly fauna of Jamaica (Insecta: Trichoptera). - Bull. Inst. R. Sci. Nat. Belg., Entomol., 68: 5-28.
- 9. *Hydropsyche krassimiri* MALICKY, 2001. (Trichoptera: Hydropsychidae) from East Mediterranean region (Bulgaria, Strandzha Mts.; Greece, Islands of Samos & Chios; Turkey, Kizilcahamam, Afyon): MALICKY, H. Ein Beitrag zur Kenntnis der Arten der *Hydropsyche instabilis* - Verwandtschaft im östlichen Mittelmeergebiet (Trichoptera, Hydropsychidae). - Linzer biol. Beitr. 33, 1: 489-518.
- 10. *Oecetis testacea kumanskii* YANG & MORSE, 2000. - Mem. of the American Entomol. Inst., 64: 309 pp.

Trichoptera taxa described by K. Kumanski

1. *Chaetopteryx maximus* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1968b: 59-61;
2. *Drusus botosaneanui* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1968c: 214-216;
3. *Psilopteryx montanus* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1968b: 216-218;
4. *Chaetopteryx bulgaricus* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1969b: 21-27;
5. *Psilopteryx schmidti* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1970: 277-280;
6. *Hydroptila burenschi* n.sp. (Hydroptilidae). Bulgaria. - KUMANSKI, 1972c: 1261-1263; syn. of *Hydroptila kalonichtis* MALICKY, 1972. KUMANSKI, 1979c: 14 (Synonymy);
8. *Chionophylax mindszenyi bulgaricus* n.sp. Bulgaria. - KUMANSKI, 1973c: 194-196;
9. *Drusus romanicus meridionalis* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1973d: 108-110;
10. *Drusus discophorus balcanicus* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1973d: 113-114;
11. *Drusus burenschi* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1973c: 114-117;
12. *Hydropsyche valkanovi* n.sp. (Hydropsychidae). Bulgaria. - KUMANSKI, 1974b: 147-149;
13. *Hydropsyche dentata* n.sp. (Hydropsychidae). Bulgaria. - KUMANSKI, 1974b: 149-152; syn. of *Hydropsyche saxonica* McLachlan, 1884. KUMANSKI, 1985c: 229 (Synonymy);

Taxa named after Krassimir Kumanski**Genera**

1. *Kumanskiella* HARRIS & FLINT, 1992 (Trichoptera: Hydroptilidae) from Central America: HARRIS S. & O. FLINT. 1992. Studies on Neotropical Caddisflies, XLVII. *Kumanskiella*, a new genus of Microcaddisflies from Cuba and Puerto Rico. - J. New York Ent. Soc., 100 (4): 581-593.

Species & Subspecies

2. *Leuctra kumanskii* BRAASCH & JOOST, 1971 (Plecoptera: Leuctridae) from Bulgaria: *Leuctra kumanskii* sp. n. - eine neue aptere Steinfliege (Plecoptera, Leuctridae) aus Bulgarien. - Ent. Nachrichten, 21 (12): 183-185.
3. *Hydroptila kumanskii* MALICKY, 1974 (Trichoptera: Hydroptilidae) from Greece (Kreta; Continental Part): MALICKY, 1974. Die Köcherfliegen (Trichoptera) Griechenlands. Übersicht und Neubeschreibungen. - Ann. Mus. Goulandris, 2: 105-135. [Synonym of *Hydroptila rhodica* JACQUEMART 1973]

14. *Hydroptila angulifera* n.sp. (Hydroptilidae). Bulgaria. - KUMANSKI, 1974c: 71-775;
15. *Calamoceras illiesi* n.sp. (Calamoceratidae). Greece, Bulgaria. - MALICKY & KUMANSKI, 1974: 9-11;
16. *Hydropsyche dissimulata* n.sp. (Hydropsychidae). Bulgaria, Roumanie. - KUMANSKI & BOTOSANEANU, 1974: 30-34; syn. of *Hydropsyche modesta* NAVAS, 1925. MALICKY, 1981. Entomofauna, 2: 175-188 (Synonymy);
17. *Hydropsyche fallaciosa* n.sp. (Hydropsychidae). Bulgaria, Roumanie. - KUMANSKI & BOTOSANEANU, 1974: 30-34; syn. of *Hydropsyche bulbifera* McLACHLAN, 1878. MALICKY, 1977. Zeitschr. Arbeitgem. Österr. Ent., 29: 1-28 (Synonymy);
18. *Potamophylax borislavi* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1975d: 85-86;
19. *Tinodes popovi* KUMANSKI n.sp. (Psychomyiidae). Bulgaria. - KUMANSKI & MALICKY, 1975: 25-27;
20. *Oecetis alexanderi* KUMANSKI n.sp. (Leptoceridae). Bulgaria. - KUMANSKI & MALICKY, 1976: 118-120; syn. of *Oecetis tripunctata* (FABRICIUS, 1793).
21. *Setodes bulgaricus* KUMANSKI, 1976. - SCHMID, 1987. Bull. Inst. r. Sci. nat. Belg., Entomol., 57, Suppl. p. 48 (stat.n.); *Setodes viridis bulgaricus* KUMANSKI n.sp. (Leptoceridae). Bulgaria. - KUMANSKI & MALICKY, 1976: 118-120;
22. *Drusus discophoroides* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1979a: 67-69;
23. *Wormaldia juliani* n.sp. (Philopotamidae). Bulgaria. - KUMANSKI, 1979b: 58-60;
24. *Wormaldia balcanica* KUMANSKI, 1979 - KUMANSKI, 1985c: 167 (stat.n.); *Wormaldia khourmai balcanica* n.sp. (Philopotamidae). - Bulgaria, Greece. - KUMANSKI, 1979b, Acta zool. bulg., 12: 63-65;
25. *Diplectrona papuana* n.sp. (Hydropsychidae). New Guinea. - KUMANSKI, 1979e: 195-196;
26. *Diplectrona subtriangulata* n.sp. (Hydropsychidae). New Guinea. - KUMANSKI, 1979e: 197-198;
27. *Herbertorossia kimminsi* n.sp. (Hydropsychidae). New Guinea. - KUMANSKI, 1979e: 198-200;
28. *Hydropsyche papuana* n.sp. (Hydropsychidae). New Guinea. - KUMANSKI, 1979e: 202-203; syn. of *Hydropsyche flinni* KORBOOT, 1964.
29. *Cheumatopsyche beroni* n.sp. (Hydropsychidae). New Guinea. - KUMANSKI, 1979e: 203-205;
30. *Polycentropus mounthageni* n.sp. (Polycentropodidae). New Guinea. - KUMANSKI, 1979e: 195-196;
31. *Polycentropus elegans* n.sp. (Polycentropodidae). New Guinea. - KUMANSKI, 1979e: 209-210;
32. *Polyplectropus chapmani* n.sp. (Polycentropodidae). New Guinea. - KUMANSKI, 1979e: 211-213;
33. *Oecetis kimminsi* n.sp. (Leptoceridae). New Guinea. - KUMANSKI, 1979e: 214-216;
34. *Triaenodes telefominicus* n.sp. (Leptoceridae). New Guinea. - KUMANSKI, 1979e: 217-218;
35. *Wormaldia joosti* n.sp. (Philopotamidae). The Caucasus. - KUMANSKI, 1980a: 39, 42;
36. *Psilopterygopsis* n.gen. (Limnephilidae). The Caucasus. - KUMANSKI, 1980b: 153-155; syn. of: *Kelgena* MEY, 1979. - KUMANSKI, 1980b: 160 (Synonymy);
37. *Psilopterygopsis martynovi* n.sp. (Limnephilidae). The Caucasus. - KUMANSKI, 1980b: 155-158; syn. of: *Kelgena minima* MEY, 1979. - KUMANSKI, 1980b: 160 (Synonymy);
38. *Rhyacophila pirinica* n.sp. (Rhyacophilidae). Bulgaria. - KUMANSKI, 1980c: 197-198;
39. *Drusus popovi* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1980c: 199-200, 203-204;
40. *Drusus osogovicus* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1980c: 201-202, 204-205;
41. *Rhyacophila lepnevae* n.sp. (Rhyacophilidae). The Caucasus. KUMANSKI, 1981b: 63-64; nom.preoc. = *Rhyacophila kumanskii* nom. nov. SPURIS, 1988. A Review of the fauna of the caddisflies of the USSR. - Latv. PSR Zinatnu Academijas Vestis, 6 (491): 88-92.
42. *Asynarchus zhiltzovae* n.sp. (Limnephilidae). The Caucasus. - KUMANSKI, 1981b: 66, 68-70;
43. *Hydroptila neglecta* n.sp. (Hydroptilidae). Bulgaria. - KUMANSKI, 1983b: 15-18; syn. of *Hydroptila angustata* MOSELY, 1939. KUMANSKI, 1985c: 124 (Synonymy);
44. *Synagapetus montanus* n.sp. (Glossosomatidae). Bulgaria. - KUMANSKI, 1985a: 76-90;
45. *Rhyacophila denticulifera* n.sp. (Rhyacophilidae). Bulgaria. - KUMANSKI, 1986a: 51-55;
46. *Rhyacophila brevifurcata* n.sp. (Rhyacophilidae). Bulgaria. - KUMANSKI, 1986a: 55-57;
47. *Polycentropus ierapetra septentrionalis* n.sp. (Polycentropodidae). Bulgaria. - KUMANSKI, 1986b: 185-186;
48. *Chaetopterooides* n.gen. (Limnephilidae). Bulgaria, Yugoslavia. - KUMANSKI, 1987a: 17-19;
49. *Cubanoptila botosaneanui* n.sp. (Glossosomatidae). Cuba. - KUMANSKI, 1987b: 4-5;
50. *Xiphocentron caimitensis* n.sp. (Psychomyiidae). Cuba. - KUMANSKI, 1987b: 8-9;
51. *Austrotinodes cubanus* n.sp. (Ecnomidae). Cuba. - KUMANSKI, 1987b: 10-11;
52. *Smicridea cubana* n.sp. (Hydropsychidae). Cuba. - KUMANSKI, 1987b: 14-15;
53. *Alisotrichia schmidti* n.sp. (Hydroptilidae). Cuba. - KUMANSKI, 1987b: 16-17;
54. *Ochrotrichia* (s.str.) *flintiana* n.sp. (Hydroptilidae). Cuba. - KUMANSKI, 1987b: 18-19;
55. *Ochrotrichia* (*Metricchia*) *excisa* n.sp. (Hydroptilidae). Cuba. - KUMANSKI, 1987b: 20-23;
56. *Mayatrchia aliena* n.sp. (Hydroptilidae). Cuba. - KUMANSKI, 1987b: 24-26; = *Kumanskiella aliena* (Kumanski, 1978); HARRIS & FLINT, 1992 (Trichoptera: Hydroptilidae) from Central America: HARRIS S. & O. FLINT. 1992. Studies on Neotropical Caddisflies, XLVII. *Kumanskiella*, a new genus of Microcaddisflies from Cuba and Puerto Rico. - J. New York Ent. Soc., 100 (4): 581-593.
57. *Oxyethira simulatrix cubana* n.sp. (Hydroptilidae). Cuba. - KUMANSKI, 1987b: 27-29;
58. *Oxyethira longispinosa* n.sp. (Hydroptilidae). Cuba. - KUMANSKI, 1987b: 28-29;
59. *Hydroptila cubana* n.sp. (Hydroptilidae). Cuba. - KUMANSKI, 1987b: 30-31;
60. *Rhyacophila pseudotristis* n.sp. (Rhyacophilidae). Bulgaria. - KUMANSKI, 1987c: 17-21;
61. *Drusus discophorus pallidus* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1989: 19-20;
62. *Drusus discophorus rhodopaeus* n.sp. (Limnephilidae). Bulgaria. - KUMANSKI, 1989: 20;
63. *Rhyacophila kumgangsanica* n.sp. (Rhyacophilidae). Korea. - KUMANSKI, 1990: 41-42;
64. *Stactobia sujangsanica* n.sp. (Hydroptilidae). Korea. - KUMANSKI, 1990: 46-47;
65. *Hydroptila botosaneanui* n.sp. (Hydroptilidae). Korea. - KUMANSKI, 1990: 48-49;
66. *Hydroptila asymmetrica* n.sp. (Hydroptilidae). Korea. - KUMANSKI, 1990: 50-51;

67. *Hydroptila extrema* n.sp. (Hydroptilidae). Korea. - KUMANSKI, 1990: 50-52;
68. *Hydroptila coreana* n.sp. (Hydroptilidae). Korea. - KUMANSKI, 1990: 52-54;
69. *Hydroptila hubenovi* n.sp. (Hydroptilidae). Korea. - KUMANSKI, 1990: 54-56;
70. *Oxyethira josifovi* n.sp. (Hydroptilidae). Korea. - KUMANSKI, 1990: 57-59;
71. *Hydatophylax sakharovi* n.sp. (Limnephilidae). Korea. - KUMANSKI, 1991a: 21-24; syn. of *Hydatophylax formosus* SCHMID, 1965. - CHOE, KUMANSKI & WOO, 1999 (Synonymy);
72. *Wormaldia (Wormaldia) coreana* n.sp. (Philopotamidae). Korea. - KUMANSKI, 1992a: 56, 69;
73. *Wormaldia (Wormaldia) longicerca* n.sp. (Philopotamidae). Korea. - KUMANSKI, 1992a: 56, 69;
74. *Stenopsyche variabilis* n.sp. (Stenopsychidae). Korea. - KUMANSKI, 1992a: 57-58, 69;
75. *Paduniella martynovi* n.sp. (Psychomyiidae). Korea. - KUMANSKI, 1992a: 59, 73;
76. *Psychomyiella myohyangsanica* n.sp. (Psychomyiidae). Korea. - KUMANSKI, 1992a: 60-61, 74;
77. *Psychomyiella cruciata* n.sp. (Psychomyiidae). Korea. - KUMANSKI, 1992a: 61-62, 74;
78. *Ecnomus tsudai* n.sp. (Ecnomidae). Korea. - KUMANSKI, 1992a: 62-63, 75;
79. *Dinarthrodes myohyangsanicus* n.sp. (Lepidostomatidae). Korea. - KUMANSKI & WEAVER, 1992: 158-160;
80. *Dinarthrodes itoae* n.sp. (Lepidostomatidae). Korea. - KUMANSKI & WEAVER, 1992: 161-163;
81. *Indocrunoecia coreana* (Lepidostomatidae). Korea. - KUMANSKI & WEAVER, 1992: 163-165;
82. *Limnophilus martynovi* n.sp. (Limnephilidae). Russia (Siberia). - KUMANSKI, 1994: 6;
83. *Micropterna sipahilarae* n.sp. (Limnephilidae). Turkey (Asia Minor). - KUMANSKI & MALICKY, 1977: 19;
84. *Potamophylax julianii* n.sp. KUMANSKI. (Limnephilidae). Bulgaria. - KUMANSKI & MALICKY, 1999: 27;
85. *Rhyacophila margaritae* n.sp. (Rhyacophilidae). Bulgaria. - KUMANSKI, 1998: 59-62;
86. *Brachypsyche schmidti* n.sp. (Limnephilidae). Korea (S). - CHOE, KUMANSKI & WOO, 1999: 42-43;
6. Kumanski, K. 1969b. *Chaetopteryx bulgaricus* - eine neue Art aus der *maximus*-Gruppe (Trichoptera, Limnephilidae). - Reichenbachia, **12**, 3: 21-27.
7. Kumanski, K. 1970. Beitrag zur Kenntnis der Gattung *Psiloptyyx* St. (Trichoptera, Limnephilidae). - Reichenbachia, **12**, 21: 277-280.
8. Kumanski, K. 1971a. Beitrag zur Kenntnis der Wasserstadien einiger *Rhyacophila*-Arten (Rhyacophilidae, Trichoptera). - Bull. Inst. zool. & Museum, Acad. Sci. Bulg., **33**: 49-70.
9. Kumanski, K. 1971b. Beitrag zur Untersuchung der Köcherfliegen (Trichoptera) Bulgariens. III. - Bull. Inst. zool. & Museum, Acad. Sci. Bulg., **33**: 99-109 (In Bulgarian, Summaries Russ., Germ.).
10. Kumanski, K. 1972a. Beitrag zur Erforschung der Köcherfliegen (Trichoptera) Bulgariens. IV. Vertreter aus bulgarischen Höhlen. - Bull. Inst. zool. & Museum, Acad. Sci. Bulg., **34**: 209-216 (In Bulgarian, Summaries Russ., Germ.).
11. Kumanski, K. 1972b. Review of Autumn Species of Caddisflies in Bulgaria (Insecta: Trichoptera). - Bull. Inst. zool. & Museum, Acad. Sci. Bulg., **34**: 197-202.
12. Kumanski, K. 1972c. Eine neue *Hydroptila*-Art aus Bulgarien (Trichoptera: Hydroptilidae). - C. r. Acad. bulg. Sci., **25**, 9: 1261-1263.
13. Kumanski, K. 1973a. Zu den Metamorphosestadien zweier Glossosomatidae-Arten (Trichoptera). - Reichenbachia, **14**, 33: 269-277.
14. Kumanski, K. 1973b. Zum Erkennen der Weibchen von der Gattung *Rhyacophila* in Bulgarien (Rhyacophilidae, Trichoptera). - Bull. Inst. zool. & Museum, Acad. Sci. Bulg., **38**: 25-38.
15. Kumanski, K. 1973c. Sur la connaissance du genre *Chionophylax* Schmid (Trichoptera: Limnephilidae). - Nouv. Rev. Ent., **3**, 3: 193-203.
16. Kumanski, K. 1973d. Die Unterfamilie Drusinae (Trichoptera) in Bulgarien. - Tijdschr. Ent., **116**, 6: 107-121.
17. Kumanski, K. 1974a. Bezuglich der Möglichkeiten für Ausnützung einiger Trichopteren-Larven als limnosaprobe Bioindikatoren. - Bull. Inst. zool. & Museum, Acad. Sci. Bulg., **39**: 207-211.
- 17a. Kumanski, K. 1974d. Bezuglich der Moeglichkeiten für Ausnützung einiger Trichopteren-Larven als limnosaprobe Bioindikatoren.(p. 25) - In: Program and Summaries of the Reports of the First national Conference on Zoology. Inst. of Zool., Biol. Faculty of the Sofia Univ. "Kl. Ochridski", Department of Zool. Plovdiv Univ. "P. Hilendarski". 12-13. September 1974, Sofia. 27 pp. (In Bulgarian).
18. Kumanski, K. 1974b. Le groupe *fulvipes-instabilis* du genre *Hydropsyche* Pict.. en Bulgarie, avec description de deux nouvelles espèces (Trichoptera: Hydropsychidae). - Nouv. Rev. Ent., **4**, 2: 145-152.
19. Kumanski, K. 1974c. Description de *Hydroptila angulifera*, une nouvelle espèce du Rhodope bulgare (Trichoptera, Hydroptilidae). - Reichenbachia, **15**, 10: 71-45.
20. Malicky, H. & K. Kumanski. 1974. Neun neue Köcherfliegen aus Südeuropa (Trichoptera). - Ent. Zeitschr., Stuttgart, **84**, 3: 9-20.
21. Kumanski, K. & L. Botosaneanu. 1974. Les *Hydropsyche* (Trichoptera) du groupe de *guttata* en Bulgarie et en Roumanie. - Acta Mus. Maced. sci. nat., **14**, 2: 25-43.

Scientific publications by Krassimir Kumanski

1. Kumanski, K. 1968a. Contributions to the Histophysiology of the Ovulation in *Ctenopharyngodon idellus* (Vall.) following stimulation with hypophyseal extract. - Bull. Inst. zool. & Museum, Acad. Sci. Bulg., **27**: 41-49 (In Bulgarian, Summaries Russ., Engl.).
2. Kumanski, K. 1968b. *Chaetopteryx maximus* n. sp. aus Bulgarien (Trichoptera, Limnephilidae). - C.r. Acad. bulg. Sci., **21**, 1: 59-61.
3. Kumanski, K. 1968c. Zwei neue Köcherfliegen aus Bulgarien (Trichoptera, Limnephilidae). - Ent. Ber., Amsterdam, **28**: 214-218.
4. Kumanski, K. 1968d. Beitrag zur Erforschung der Trichopteren Bulgariens (I). - Faun. Abh., Dresden, **2**, 16: 109-115.
5. Kumanski, K. 1969a. Contribution à l'étude des Trichoptères en Bulgarie. II. - Bull. Inst. zool. & Museum, Acad. Sci. Bulg., **29**: 175-181 (In Bulgarian, Summaries Russ., French).

22. Kumanski, K. 1975a. Études sur la faune et l'écologie des trichoptères (Trichoptera) du Rhodope. - In: *La faune des Rhodopes. Materiaux*. Acad. bulg. Sci., Sofia: 65-91 (In Bulgarian, Summaries Russ., French).
23. Kumanski, K. 1975b. Trichoptères recueillis à la lumière en 1964-1965 dans la région des lacs Masuriens de Pologne. - Bull. Ent. Pol., **45**: 63-66.
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BRAUERIA (Linz am See, Austria) 34:13 (2007)

Addition to:

Eine neue *Ceraclea* – Art aus Kambodscha (Trichoptera, Leptoceridae) by Hans MALICKY, BRAUERIA 33:19 (2006)

Ceraclea itoae n. sp.

The material was collected as a part of the scientific research „Evaluation of Mechanisms Sustaining the Biodiversity of Lake Tonle Sap, Cambodia“, funded by the Grant-in-Aid for International Scientific Research from Japan Society for the Promotion of Science (15405004).

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BRAUERIA (Linz am See, Austria) 34:13 (2007)

Wing nervature in *Oecetis ochracea* (Leptoceridae)

Bert HIGLER

Among thousands of specimens of *Oecetis ochracea*, I found several males with a distinct dark pattern as is also observed in *Oecetis notata* and *O. testacea*. In most cases, it is less conspicuous than in the drawing, but a few showed it remarkably clear. Only very few females had a hint of this pattern and never very dark. I wonder if it has been noticed by colleagues.



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