



RECENT PLECOPTERA LITERATURE

This section includes the Plecoptera papers published since PERLA 9 was mailed as well as some additions to the earlier literature. PERLA is published every two years and a literature section is included with every issue, so help us make it as complete as possible.

- ALBA-TERCEDOR, J. and A. SANCHEZ-ORTEGA** (1991): Overview and Strategies of Ephemeroptera and Plecoptera. Sandhill Crane Press, Inc. Gainesville, Florida, U.S.A., XIV + 588pp.
- ALBA-TERCEDOR, J., C. ZAMORA-MUNOZ, A. SANCHEZ-ORTEGA and I. GUIASOLA.** (1991): Mayflies and Stoneflies from the Rio Monachil (Sierra Nevada, Spain) (Ephemeroptera and Plecoptera). pp. 529-538 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) Overview and Strategies of Ephemeroptera and Plecoptera. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- ALOUF, N.J.** (1991): L'Etat de nos connaissances actuelles sur les Plécoptères du Liban. pp. 297-300 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) Overview and Strategies of Ephemeroptera and Plecoptera. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- ANDERSSON, K. G.** (1986): Bäcksländornas kärleksliv en beteendekologisk studie. (The love-life of stoneflies - a behavioral ecological view). Fauna och flora 81: 207-214. (Swedish, English summary).
- ANDERWALD, P.H., M. KONAR and U.H. HUMPESCH.** (1991): Continuous drift samples of macroinvertebrates in a large river, the Danube in Austria. Freshwater Biol. 25: 461-476.
- ARENS, W.** (1990): Wear and tear of mouthparts: A critical problem in stream animals feeding on epilithic algae. Can. J. Zool. 68: 1896-1914.
- ARMITAGE, M.J. and J.O. YOUNG.** (1991): Predators and planariid competitors of the triclad *Phagocata vitta* (Duges). Hydrobiologia 211: 43-50.
- BACETTI, B.M.**(1987): 1. Spermatozoa and phylogeny in orthopteroid insects. Pages 12-15, 20-24 In: Bacetti, B. M. (ed.). Evolutionary biology of orthopteroid insects. Halsted Press, New York.
- BARTHEL, M. and H. HETZER.** (1982): Bernstein-Inklusen aus dem Miozän des Bitterfelder Raumes. Z. angew. Geol. 28(7) 314-336.
- BAUMANN, R.W. and B.C. KONDRATIEFF.** (1991): The Stonefly fauna of Northern Mexico. pp. 301-309 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) Overview and Strategies of Ephemeroptera and Plecoptera. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- BENKE, A.C., K.A. PARSONS and S.M. DHAR.** (1991): Population and community patterns of invertebrate drift in an unregulated coastal plain river. Can. J. Fish. Aquat. Sci. 48: 811-823.

- BENTON, M.J., and G. PRITCHARD.** (1990): Mayfly locomotory responses to endoparasitic infection and predator presence: The effects on predator encounter rate. *Freshwater Biol.* 23:363-372.
- BERGERSEN, R.** (1989): Zoobenthos and food of Atlantic salmon (*Salmo salar* L.) fry in Alta River, North Norway: and notes on the measurement of faunal resemblance. *Nord. J. Freshwater Res.* 65: 99-115.
- BERNARD, D.P., W.E. NEILL and L. ROWE.** (1990): Impact of mild experimental acidification on short term invertebrate drift in a sensitive British Columbia stream. *Hydrobiologia* 203:63-72.
- BERRIGAN, D.** (1991): The allometry of egg size and number in insects. *Oikos* 60: 313-321.
- BITUŠÍK, P., I. KRNO and F. SPORKA.** (1989): Makrozoobentos Dvoh L'Adovcovych Jazier V. Nizkych Tatrách. *Stredne Slovensko* 8: 123-133.
- BLANKE, D.** (1990): Zur Ephemeroptera-, Plecoptera- und Trichoptera- Fauna des südniedersächsischen Mittelgebirgsbaches Bever bei Markoldendorf (Kreis Northeim). {Contribution to the Ephemeroptera-, Plecoptera- and Trichoptera-fauna of the southern Lower Saxony mountain brook Bever at Markoldendorf (Kreis Northeim) [Germany]}. *Braunsch. naturkd. Schr.* 3(3):669-697 (German).
- BOBAK, J. and V.M. LAWRENCE.** (1991): Research Note. *Taeniopteryx metequi* Ricker & Ross (Plecoptera: Taeniopterygidae) in Mingo Creek County Park, Washington County, Pennsylvania. *J. Penn. Acad. Sci.* 65(2): 96-97.
- BOTTORFF, R.L. and A.W. KNIGHT.** (1989): Stonefly (Plecoptera) feeding modes: variation along a California river continuum. *USDA Forest Service Gen. Tech. Rep. PSW.* 110:235-241.
- BOTTORFF, R.L., S.W. SZCZYTKO and A.W. KNIGHT.** (1990): Description of a new species and three incompletely known species of western nearctic *Isoperla* (Plecoptera: Perlodidae). *Proc. Entomol. Soc. Wash.* 92(2):286-303.
- BOTTORFF, R.L., S.W. SZCZYTKO, A.W. KNIGHT and J.J. DIMICK.** (1990): Drumming behavior of four western nearctic *Isoperla* species (Plecoptera: Perlodidae). *Ann. Entomol. Soc. Amer.* 83(5):991-997.
- BOULTON, A.J.** (1985): A sampling device that quantitatively collects benthos in flowing or standing waters. *Hydrobiologia* 127:31-39.

- BRAASCH, D.** (1989): Ein Beitrag zur Plecopterenfauna der Mark. Veröff. Potsdam-Mus. 30(XI):22-32 (German).
- BRAASCH, D. and W. JOOST.** (1989): The use of stonefly species of the G. D. R. as indicators of water quality (Insecta, Plecoptera). Faun. Abh. Mus. Tierkd. Dresden. 17(2):1 9-24 (German, English Summary).
- BRETSCHKO, G.** (1990): The effect of escape reactions on the quantitative sampling of gravel stream fauna. Arch. Hydrobiol. 120(1): 41-49.
- BRICKNELL, I.R. and W.T.W. POTTS.** (1989): The distribution of the ion transporting cells of Plecoptera in relation to pH and the osmotic environment. Entomologist 108(3):176-183.
- BRITTAİN, J.E.** (1990): Life history strategies in Ephemeroptera and Plecoptera. pp. 1-12. In Campbell, I. C. (ed.). Mayflies and stoneflies: life histories and biology. Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- BRITTAİN, J.E.** (1991): Effect of Temperature on Egg Development in the Australian Stonefly Genus, *Austrocercella* Illies (Plecoptera: Notonemouridae). Aust. J. Mar. Freshwater Res. 42: 107-114.
- BRITTAİN, J.E.** (1991): Life history characteristics as a determinant of the response of Mayflies and Stoneflies to man-made environmental disturbance (Ephemeroptera and Plecoptera). pp. 539-545 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) Overview and Strategies of Ephemeroptera and Plecoptera. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- BROWN, A.V. and P.P. BRUSSOCK.** (1991): Comparison of benthic invertebrates between riffles and pools. Hydrobiologia 220:99-108
- BRUSSOCK, P.P. and A.V. BROWN.** (1991): Riffle-pool geomorphology disrupts longitudinal patterns of stream benthos. Hydrobiologia 220: 109-117.
- BUNN, S.E. and P.M. DAVIES.** (1990): Why is the stream fauna of south-western Australia so impoverished? Hydrobiologia 194:169-176.
- BURMEISTER, E.G.** (1990): Makroinvertebraten der Isar und ihrer Nebengewässer in und südlich von München. Lauterbornia 4:7-23 (German).
- BURMEISTER, E.G.** (1991): Bestandsaufnahme aquatischer Makroinvertebraten der Amper und ihrer Nebengewässer zwischen Schöngesing und Dachau. Lauterbornia 9: 1-19. (German).

- CANNINGS, S.G.** (1989): New records of slender winter stoneflies (Plecoptera: Capniidae) in British Columbia [Canada]. *J. Entomol. Soc. British Columbia*. 86: 77-80.
- CHI-KUN, Y. and Y. DING.** (1990): New and little-known species of Plecoptera from Guizhou Province (I). *Guizhou Sci.* 8(4): 1-4.
- CIBOROWSKI, J.J.H. and D.A. CRAIG.** (1991): Factors influencing dispersion of larval black flies (Diptera: Simuliidae): Effects of the presence of an invertebrate predator. *Can J. Zool.* 69: 1120-1123.
- CLARK, W.H. and D.J. SMITH.** (1991): Literature Pertaining to the Identification and Distribution of Aquatic Macroinvertebrates of the Western U.S. with Emphasis on Idaho. Idaho Dept. Health and Welfare: Div. Environ. Quality. 64 pp.
- COBB, D.G. and J.F. FLANNAGAN.** (1991): Responses of Plecoptera to stream channelization in the drainage basin of Dauphin Lake, Canada. pp. 547-557 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) *Overview and Strategies of Ephemeroptera and Plecoptera*. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- COLLIER, K.J.** (1990): Ingestion of sooty mold fungi by some New Zealand stream insects. *N. Z. Entomol.* 13: 42-45.
- CUFFNEY, T.F. and J.B. WALLACE.** (1989): Discharge-export relationships in headwater streams: the influence of invertebrate manipulations and drought. *J. N. Am. Benthol. Soc.* 8(4):331-341.
- DAS, B.C., A. CHATTERJEE and A.L. DUTTA.** (1991): Plecoptera. pp. 259-260. In: Director, Zoological Survey of India (ed.) *Animal Resources of India*. Calcutta, Zoological Survey of India. 694 pp.
- DAY, K.E. and I.M. SCOTT.** (1990): Use of acetylcholinesterase activity to detect sublethal toxicity in stream invertebrates exposed to low concentrations of organophosphate insecticides. *Aquat. Toxicol.* 18: 101-113.
- DEATH, R.G.** (1990): A new species of *Zelandobius* (Plecoptera: Gripopterygidae: Antartoperlinae) from New Zealand. *N. Z. Nat. Sci.* 17: 23-28.
- DIAMOND, J.M., D.C. MACKLER, M. COLLINS and D. GRUBER.** (1990): Derivation of a freshwater silver criteria for the New River, Virginia [USA], using representative species. *Environ. Toxicol. Chem.* 9:1425-1434.

- DOSDALL, L.M.** (1991): Survival of selected aquatic insects exposed to methoxychlor treatment of the Saskatchewan river system. *Wat. Pollut. Res. J. Can.* 26: 27-40.
- DOSDALL, L.M. and M.M. GALLOWAY.** (1991): Field evaluation of the phototoxin, alpha-terthienyl, for reducing larval populations of black flies (Diptera: Simuliidae) and its impact on drift of aquatic invertebrates. *Can. Entomol.* 123: 439-449.
- DUDGEON, D.** (1990): Benthic community structure and the effect of rotenone piscicide on invertebrate drift and standing stocks in two Papua New Guinea streams. *Arch. Hydrobiol.* 119(1): 35-53.
- DUDGEON, D.** (1990): Seasonal dynamics of invertebrate drift in a Hong Kong stream. *J. Zool.* 222:187-196.
- DUFFIELD, R.M. and C.H. NELSON.** (1990): Seasonal emergence patterns and diversity of Plecoptera on Big Hunting Creek, Maryland, with a checklist of the stoneflies of Maryland. *Proc. Entomol. Soc. Wash.* 92(1):120-126.
- EATON, L.E. and D.R. LENAT.** (1991): Comparison of a rapid bioassessment method with North Carolina's qualitative macroinvertebrate collection method. *J. N. Am. Benthol. Soc.* 10: 335-338.
- ELLIOTT, J.M.** (1991): The effect of temperature on egg hatching for three populations of *Isoperla grammatica* and one population of *Isogenus nubecula* (Plecoptera: Perlodidae). *Entomol. Gaz.* 42: 61-65.
- ELLIOTT, J.M.** (1991): The effect of temperature on egg hatching for three populations of *Perla bipunctata* (Plecoptera: Perlidae). *Entomol. Gaz.* 42: 99-103.
- FELTMATE, B.W. and D.D. WILLIAMS.** (1991): Evaluation of predator-induced stress on field populations of stoneflies (Plecoptera). *Ecology* 72(5): 1800-1806.
- FELTMATE, B.W. and D.D. WILLIAMS.** (1991): Path and spatial learning in a stonefly nymph. *Oikos* 60: 64-68.
- FEY, M.** (1991): Die Steinfliegen (Insecta: Plecoptera) des West-Sauerlandes. *Natur und Heimat* 51(1): 7-14. (German)
- FISCHER, J.**(1991): Faunistische und ökologische Untersuchungen an Waldquellbiotopen im Marburger Raum. Unpublished thesis (diploma), Philipps-University. Marburg, Germany,134 + unnumbered Appendix.

- FLANNAGAN, J.F. and D.G. COBB.** (1990): Emergence of stoneflies (Plecoptera) from the Roseau River, Manitoba. *Amer. Midl. Natur.* 125(1): 47-54.
- FLANNAGAN, J.F. and D.G. COBB.** (1991): Emergence of Stoneflies (Plecoptera) from an unstable stream in Manitoba, Canada. pp. 343-352 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) *Overview and Strategies of Ephemeroptera and Plecoptera.* The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- FOCHETTI, R., and P. NICOLAI.** (1990): Plecotteri di Sicilia e Sardegna. *Animalia* 14(1-3):169-175 (Italian).
- FOCHETTI, R., P. NICOLAI and M. DELL'AGATA.** (1988): La Plecotterofauna del fiume Orfento (Abruzzo, Italia). *Atti XV Congr. Naz. Ital. Entomol., L'Aquila.* 15: 1059-1061 (Italian).
- FREILICH, J.E.** (1991): Movement patterns and ecology of *Pteronarcys* nymphs (Plecoptera): observations of marked individuals in a Rocky Mountain stream. *Freshwater Biol.* 25:379-394.
- FROEHLICH, C.G.** (1990): Brazilian Plecoptera. 6. *Gripopteryx* from Campos Do Jorado, State of SaoPaulo (Gripopterygidae). *Stud. Neotrop. Fauna Environ.* 25(4):235-247.
- FROEHLICH, C.G.** (1990): Size variation in *Kempnyia* (Plecoptera: Perlidae). pp. 347-350 In: Campbell, I. C. (ed.). *Mayflies and stoneflies: life histories and biology.* Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- FROEHLICH, C.G.** (1991): Flight periods of *Kempnyia* and *Macrogynoplas* (Plecoptera: Perlidae) in Southeastern Brazil. pp. 353-357 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) *Overview and Strategies of Ephemeroptera and Plecoptera.* The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- FULLER, R.L. and P.S. RAND.** (1990): Influence of substrate type on vulnerability of prey to predacious aquatic insects. *J. N. Am. Benthol. Soc.* 9(1):1-8.
- FUNK, D.H. and B.W. SWEENEY.** (1990): Electrophoretic analysis of species boundaries and phylogenetic relationships in some taeniopterygid stoneflies (Plecoptera). *Trans. Am. Entomol. Soc.* 116(3):727-752.

- GAGNEUR, J. and N. ALIANE.** (1991): Contribution à la connaissance des Plécoptères d'Algérie. pp. 311-323 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) Overview and Strategies of Ephemeroptera and Plecoptera. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- GERECKE, R.** (1991): Taxonomische, faunistische und ökologische Untersuchungen an Wassermilben (Acari, Actinedida) aus Sizilien unter Berücksichtigung anderer aquatischer Invertebraten. *Lauterbornia* 7: 1-303. (German)
- GOOCH, J.L. and D.S. GLAZIER.** (1991): Temporal and spatial patterns in mid-Appalachian springs. *Mem. Entomol. Soc. Can.* 155: 29-49.
- GÖRTZ, M.** (1990): Nachtrag zu: Limnologische Untersuchungen des Nitzbaches und seiner Nebenbäche (Rh.-Pf.), *Decheniana* 141, 271-287 (1988). *Decheniana* 143: 445 (German).
- GOTTANKA, J. and J. BUNING.** (1991): Oocytes develop from interconnected cystocytes in the panoistic ovary of *Nemoura* sp. (Pictet) (Plecoptera: Nemouridae). *Int. J. Insect Morphol. Embryol.* 19(5/6): 219-225.
- GRIFFITH, M.B. and S.A. PERRY.** (1991): Leaf pack processing in two Appalachian mountain streams draining catchments with different management histories. *Hydrobiologia* 220: 247-254.
- GROWNS, I.O.** (1990): Efficiency estimates of a stream benthos suction sampler. *Aust. J. Mar. Freshwater Res.* 41:621-626.
- GUENDA, W.** (1986/87): Evaluation of the toxicity of Abate for the macroinvertebrates of the Red Volta (Burkina-Faso and Ghana), in the scope of the control of onchocerciasis in West Africa. *Bull. Inst. Fordam. Afr. Noire Ser. A Sci. Nat.* 46: 333-349.
- HACHMOELLER, B., R.A. MATTHEWS and D.F. BRAKKE.** (1991): Effects of riparian community structure, sediment size, and water quality on the macroinvertebrate communities in a small, suburban stream. *Northwest Sci.* 65: 125-132.
- HAMBURGER, K. and P.C. DALL.** (1990): The respiration of common benthic invertebrate species from the shallow littoral zone of Lake Esröm, Denmark. *Hydrobiologia* 199:117-130.
- HARPER, P.P.** (1989): Zoogeographical relationships of aquatic insects (Ephemeroptera, Plecoptera, and Trichoptera) from the Eastern James Bay [Canada] drainage. *Can. Field-Nat.* 103(4):535-546.

- HARPER, P.P.** (1990): Associations of aquatic insects (Ephemeroptera, Plecoptera, and Trichoptera) in network of subarctic lakes and streams in Quebec [Canada]. *Hydrobiologia* 199(1):43-64.
- HARPER, P.P.** (1990): Life cycles of *Leuctra duplicata* and *Ostrocerca prolongata* in an intermittent streamlet in Quebec (Plecoptera: Leuctridae and Nemouridae). *The Great Lakes Entomol.* 23(4): 211-216.
- HARPER, P.P., M. LAUZON and F. HARPER.** (1991): Life cycles of 12 species of winter stoneflies from Quebec (Plecoptera, Capniidae and Taeniopterygidae). *Can. J. Zool.* 69: 787-796.
- HARRIS, S.C. and B.P. STARK.** (1990): Plecoptera. pp. 83-85. In: Harris, S. C. (ed.). Preliminary considerations on rare and endangered invertebrates in Alabama [USA]. *J. Alabama Acad. Sci.* 61:64-92.
- HART, D.D., S.L. KOHLER and R.G. CARLTON.** (1991): Harvesting of benthic algae by territorial grazers: the potential for prudent predation. *Oikos* 60: 329-335.
- HASSAGE, R.L. and K.W. STEWART.** (1990): Growth and voltinism of five stonefly species in a New Mexico [USA] mountain stream. *Southwest. Nat.* 35(2): 130-134.
- HASSAGE, R.L. and K.W. STEWART.** (1991): Use of substrate volume and void space to examine the presence of three stonefly species (Plecoptera) among stream habitats. *Ann. Entomol. Soc. Amer.* 84(3): 309-315.
- HATTA, K. and S. UCHIDA.** (1989): Fauna of aquatic insects in the major rivers of the Tokai District, Central Japan (II) Plecoptera in the major rivers of the Tokai District. *J. Nagoya Women's Univ.* 35:157-169 (Japanese).
- HENDERSON, J., A. G. HILDREW and C.R. TOWNSEND.** (1990): Detritivorous stoneflies of an iron-rich stream: Food and feeding. pp. 249-254 In: Campbell, I. C. (ed.). *Mayflies and stoneflies: life histories and biology.* Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- HOGUE, J.N. and C.P. HAWKINS.** (1991): Morphological variation in adult aquatic insects: Associations with developmental temperature and seasonal growth patterns. *J. N. Am. Benthol. Soc.* 10: 309-321.

- JENSEN, J.W.** (1990): Diversity of Ephemeroptera and Plecoptera in Norway relative to size and qualities of catchment area. *Fauna Norv. Ser. B.* 37:67-82.
- JOOST, W.** (1989): Die Steinfliegen-Emergenz der Vesser 1983/1984 (Insecta, Plecoptera). Gothaer Emergenz-Untersuchungen im Biosphärenreservat Vessertal Nr. 15. pp. 325-330 In: *Verhandlungen XI. SIEEC Gotha 1986, Dresden.* (German).
- JOWETT, I.G. and J. RICHARDSON.** (1990): Microhabitat preferences of benthic invertebrates in a New Zealand river and the development of instream flow-habitat models for *Deleatidium* spp. *N. Z. J. Mar. Freshwat. Res.* 24(1):19-30.
- KAPOOR, N.N.** (1991): Antennal campaniform and coeloconic sensilla of the stonefly nymph, *Paragnetina media* (Walker) (Plecoptera: Perlidae). pp. 39-46 In: *Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) Overview and Strategies of Ephemeroptera and Plecoptera.* The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- KENNEDY, J.O. and J.G. MILLER.** (1990): A survey of the benthic macroinvertebrates of the Big Spring Basin, Iowa [USA]. *J. Iowa Acad. Sci.* 97:46-54.
- KITTEL, W.** (1989): Plecoptera from the Sudety Mountains (Poland). *Przevl. Zool.* 33: 247-252.
- KITTEL, W. and F. WOJTAS.** (1991): Materials to the Knowledge of Plecoptera from West Bieszczady Mountains. *Acta Univ. Lodz., Folia limnol.* 4: 91-99 (Polish, English summary).
- KONDRATIEFF, B.C. and R.F. KIRCHNER.** (1991): New Nearctic Chloroperlidae (Plecoptera). *J. N. Y. Entomol. Soc.* 99: 199-203.
- KRNO, I.** (1988): Podenky (Ephemeroptera) A Pošvatky (Plecoptera) Vybraných Jazier Tanap-u, Ich Prítokov A Odtokov. [Mayflies (Ephemeroptera) and stoneflies (Plecoptera) in selected lakes of the Tanap, their feeders and outflows]. *Zborn. Prac O Tatr. Narod. Parku* 28: 217-234. (Slovakian, Russian, German, English summaries).
- KRNO, I.** (1989): Investigations of mayflies (Ephemeroptera) and stoneflies (Plecoptera) of the Danube in the region of Gabčíkovo Barrage [Czechoslovakia]. *Acta. F. R. N. Univ. Comen. Zoologia.* 33:19-30.
- KRNO, I.** (1989): Pošvatky (Plecoptera) Povodia Žitavy. [Stoneflies (Plecoptera) in the river basin of Žitava]. *Ochrana Prírody* 10: 429-437. (Slovakian, Russian, English, German summaries).

- KRNO, I.** (1990): Longitudinal changes in the structure of macrozoobenthos and its microdistribution in natural and moderately eutrophicated waters of the river Rajčianka (Strázovské vrchy). Acta F. R. N. Univ. Comen. - Zoologia 33: 31-48.
- KRNO, I.** (1991): Mayflies (Ephemeroptera) and stoneflies (Plecoptera) of Danube (Palkovicovo-Chlaba) and the proximate water biotopes. Biologia 46: 139-146.
- LANCASTER, J.** (1990): Predation and drift of lotic macroinvertebrates during colonization. Oecologia 85: 48-56.
- LANCASTER, J., A.G. HILDREW and C.R. TOWNSEND.** (1991): Invertebrate predation on patchy and mobile prey in streams. J. Anim. Ecol. 60: 625-641.
- LICHTWARD, R.W. and M.C. WILLIAMS.** (1990): Trichomycete gut fungi in Australian aquatic insect larvae. Can. J. Bot. 68:1057-1074.
- LICHTWARDT, R.W., S.W. PETERSON and M.J. HUSS.** (1991): *Orphella hiemalis* : a new and rare trichomycete occurring in winter-emerging stoneflies (Plecoptera, Capniidae). Mycologia 83: 214-219.
- LICHTWARDT, R.W., S.W. PETERSON and M.C. WILLIAMS.** (1991): *Ejectosporus*, new genus, an unusual new genus of Harpellales in winter-emerging stonefly nymphs (Capniidae) and a new species of *Paramoebidium* (Amoebidiales). Mycologia 83: 389-396.
- LILLEHAMMER, A., S.J. SALTVEIT and M. BRUSVEN.** (1991): The influence of variable temperatures on the incubation period of Stonefly eggs (Plecoptera). pp. 377-385 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) Overview and Strategies of Ephemeroptera and Plecoptera. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- LUCY, F., M.J. COSTELLO and P.S. GILLER.** (1990): Diet of *Dinocras cephalotes* and *Pelta bipunctata* (Plecoptera, Perlidae) in a south-west Irish stream. Aquat. Insects 12(4):199-207.
- LYNCH, T.R., C.J. POPP and G.Z. JACOBI.** (1988): Aquatic Insects as environmental monitors of trace metal contamination: Red River, New Mexico. Water, Air, and Soil Pollution. 42:19-31.
- MALMQUIST, B., P. SJÖSTRÖM and K. FRICK.** (1991): The diet of two species of *Isoperla* (Plecoptera: Perlodidae) in relation to season, site, and sympatry. Hydrobiologia 213: 191-203.

- MARCHANT, R., P. MITCHELL and R. NORRIS.** (1984): A distribution list for the aquatic invertebrates in the lowland region of the La Trobe River, Victoria. *Occ. Pap. Mus. Vic.* 1:63-79.
- MARTEN, M.** (1991): The effect of temperature on the egg incubation period of *Perlodes microcephalus*, *Perlodes dispar* (Plecoptera: Perlodidae) and *Perla burmeisteriana* (Plecoptera: Perlidae). pp. 387-401 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) *Overview and Strategies of Ephemeroptera and Plecoptera*. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- MARTEN, M.** (1990): A new thermostat-controlled water-bath which provides eight constant temperatures for the price of one. *Hydrobiologia* 194:199-201.
- MARTEN, M.** (1990): Interspecific variation in temperature dependence of egg development of five congeneric stonefly species (*Protonemura* Kempny, 1898, Nemouridae, Plecoptera). *Hydrobiologia* 199(2):157-172.
- MARTIN, M.M., J.S. MARTIN, J.J. KUKOR and R.W. MERRITT.** (1981): The digestive enzymes of detritus-feeding stonefly nymphs (Plecoptera: Pteronarcyidae). *Can. J. Zool.* 59: 1947-1951.
- MAUCH, E.** (1990): Der ökologische Zustand der Alb im Stadtgebiet von Karlsruhe und die Auswirkungen der Einleitung von Kühlwasser und Abwasser. *Limnologie aktuell.* 1:59-85. (German).
- MAUCH, E. and T. WITTLING.** (1991): Der Einfluss von Fischteichanlagen auf den Gütezustand der Vorfluter. *Biologische Untersuchungen an Bächen in Schwaben, Bayern.* *Lauterbornia* 8: 51-70. (German).
- McCAFFERTY, W.P., B.P. STARK and A.V. PROVONSHA.** (1990): Ephemeroptera, Plecoptera, and Odonata. pp. 43-58 In: Kosztarab, M.; Schaefer, C. W. (eds.). *Systematics of the North American insects and Arachnids: Status and needs*. Virginia Polytechnic Institute and State University, Blacksburg, Virginia. 247 pp.
- McELRAVY, E.P. and V.H. RESH.** (1991): Distribution and seasonal occurrence of the hyporheic fauna in a northern California stream. *Hydrobiologia* 220: 233-246.
- McLELLAN, I.D.** (1991): Notonemouridae (Insecta: Plecoptera). *Fauna N.Z.* 22: 7-62.

- McLELLAN, I.D., I.R. WAIS and L.I. DeCABO.** (1990): The first record of stoneflies from the Malvinas/Falkland Islands. *Aquat. Insects*. 12(3):177-180.
- McNICOL, R.E. and E. SCHERER.** (1987): Behavioral responses of *Acroneuria lycorias* (Ins., Plecopt.) larvae to acute and chronic acid exposure. *Can. Tech. Rep. Fish. Aquat. Sci.* 1512: iv + 10 p.
- MEMBIELA, P.** (1990): Los Plecopteros de Galicia (España): Distribución altitudinal y periodos de vuelo. *Limnetica* 6: 131-136.
- MEMBIELA, P.** (1990): The mating calls of *Perla madritensis* Rambur, 1842 (Plecoptera, Perlidae). *Aquat. Insects* 12(4):223-226.
- MEMBIELA IGLESIA, P.** (1990): Contribución al conocimiento de las larvas de ultimo estadio de las especies ibéricas del grupo *braueri* del genero *Leuctra* (Plecoptera, Leuctridae). *Boletin Asoc. esp. Entomol.* 14: 175-180.
- MEMBIELA IGLESIA, P.** (1990): Contribución al conocimiento faunístico de los Plecopteros de Galicia (Plecoptera). *Boletin Asoc. esp. Entomol.* 14: 89-103.
- MEMBIELA-IGLESIA, P.** (1991): The Stoneflies of Galicia (NW Iberian Peninsula): An ecological study (Plecoptera). pp. 403-413 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) *Overview and Strategies of Ephemeroptera and Plecoptera*. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- MERRETT, W.J., G.P. RUTT, N.S. WEATHERLEY, S.P. THOMAS and S.J. ORMEROD.** (1991): The response of macroinvertebrates to low pH and increased aluminum concentrations in Welsh streams: multiple episodes and chronic exposure. *Arch. Hydrobiol.* 121(1): 115-125.
- MERRITT, R.W., M.S. WIPFLI, and R.S. WOTTON.** (1991): Changes in feeding habits of selected nontarget aquatic insects in response to live and *Bacillus thuringiensis* var. *israelensis* de Barjac-killed blackfly larvae (Diptera, Simuliidae). *Can. Entomol.* 123: 179-186.
- MIKSCH, R.** (1985): Faunistisch-ökologische Untersuchungen Über die aquatische Insektenfauna eines Thüringer Bergbaches - Badewasser bei Friedrichroda (Kreis Gotha) - unter besonderer Berücksichtigung der Ephemeroptera, Plecoptera und Trichoptera. Unveröffentlichte Diplomarbeit der Pädagogischen Hochschule Erfurt/Mühlhausen, 59 pp. and several unnumbered pp. (German).

- MODDE, T. and H.G. DREWES.** (1990): Comparison of biotic index values for invertebrate collections from natural and artificial substrates. *Freshwater Biol.* 23:171-180.
- MONSERRAT, J.J.B.** (1989): Longinos Navás científico jesuita. Universidad de Zaragoza, Zaragoza [Spain]. 229 pp. (Spanish).
- MONSERRAT, J.J.B.** (1991): Longinos Navás, S.J. An approach to his life and entomological work. pp. 581-584 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) *Overview and Strategies of Ephemeroptera and Plecoptera.* The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- MOORE, K.A. and D.D. WILLIAMS.** (1990): Novel strategies in the complex defense of a stonefly (*Pteronarcys dorsata*) nymph. *Oikos.* 57:49-56.
- MORING, J.B., R.L. HASSAGE and K.W. STEWART.** (1991): Behavioral interactions among male and female nymphs of the predatory stonefly *Hydroperla crosbyi* (Plecoptera: Perlodidae). *Ann. Entomol. Soc. America.* 84(2):207-211.
- MORRISON, B.R.S.** (1990): Recolonisation of four small streams in central Scotland following drought conditions in 1984. *Hydrobiologia* 208: 261-267.
- MORSE, J.C., S.W. HAMILTON and K.M. HOFFMAN.** (1989): Aquatic insects of Lake Jocassee catchment in North and South Carolina [USA], with descriptions of four new species of caddisflies (Trichoptera). *J. Elisha Mitchell Sci. Soc.* 105:14-33.
- MÜLLER, M. and M. WUSSOW.** (1990): Beeinflussung der Makrobenthoszoozönose eines Silikat-Bergbaches (Buchheller) durch Schwermetallbelastung. *Decheniana* 143:400-413 (German).
- NELSON, C.H., S.M. MAYFIELD and R.E. GARTH.** (1990): The effect of temperature and body weight on the oxygen consumption rate of the nymphs of *Pteronarcys scotti* Ricker and *Acroneuria abnormis* (Newman) [Insecta: Plecoptera]. *J. Tenn. Acad. Sci.* 65(1):25-28.
- NELSON, C.H.** (1991): Preliminary note on the comparative morphology of the stonefly pretarsus (Plecoptera). pp. 137-156 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) *Overview and Strategies of Ephemeroptera and Plecoptera.* The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.

- NELSON, C.R. and R.W. BAUMANN.** (1990): New winter stoneflies (Plecoptera: Capniidae) from the coast range of California. *Pan-Pac. Entomol.* 66(4):301-306.
- NICOLAI, P. and R. FOCETTI.** (1983) La fauna a Plecotteri di un sistema reocrenico di alta qualità: il tratto sorgivo del T. Cosa (Monti Ernici, Lazio) (Plecoptera). [The Plecoptera fauna of a high quality rheocrenic system: The spring stretch of the Cosa Stream (Central Italy)]. *Riv. Idrobiol.* 22(2-3): 187-202. (Italian, English summary)
- NICOLAI, P. and R. FOCETTI.** (1983): Faunistica, fenologia ed ecologia dei Plecotteri dei Monti Della Tolfa (Antiappennino Laziale) (Plecoptera). Faunistics, phenology and ecology of Plecoptera from the Tolfa Mountains (Central Italy). *Frag. Entomol.* 17(1):51-84. (Italian, English summary).
- NICOLAI, P. and R. FOCETTI.** 1988 (1991): The Plecoptera of southern Italy (Plecoptera). *Boll. Mus. Civ. Stor. Nat. Verona* 15: 215-230.
- NICOLAI, P. and R. FOCETTI.** (1991): *Nemoura lucana*, a new species from the Italian southern Appennine (Plecoptera, Nemouridae). *Aquat. Insects.* 13(4): 245-249.
- OKLAND, B.** (1991): Laboratory studies of egg development and diapause in *Isoptera obscura* (Plecoptera) from a mountain stream in Norway. *Freshwater Biol.* 25: 485-495.
- ORMEROD, S.J. and S.J. TYLER.** (1991): Exploitation of prey by a river bird, the dipper *Cinclus cinclus* (L.), along acidic and circumneutral streams in upland Wales. *Freshwater Biol.* 25: 105-116.
- PARDO, I., E. EIROA and F. NOVOA.** (1991): Contribution to the Stonefly fauna of Galicia. pp. 325-329 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) *Overview and Strategies of Ephemeroptera and Plecoptera.* The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- PECKARSKY, B.L.** (1991): A field test of resource depression by predatory stonefly larvae. *Oikos* 61: 3-10.
- PECKARSKY, B.L.** (1991): Habitat selection by stream-dwelling predatory stoneflies. *Can. J. Fish. Aquat. Sci.* 48: 1069-1076.
- PECKARSKY, B.L.** (1991): Mechanisms of intra- and interspecific interference between larval stoneflies. *Oecologia* 85: 521-529.

- PECKARSKY, B.L. and C.A. COWAN.** (1991): Consequences of larval interspecific competition to stonefly growth and fecundity. *Oecologia* 88: 277-288.
- PECKARSKY, B.L, S.C. HORN and B. STATZNER.** (1990): Stonefly predation along a hydraulic gradient: A field test of the harsh-benign hypothesis. *Freshwater Biol.* 24:181-192.
- PETERSON, R.H. and L.N. Van EECKHAUTE.** (1990): Distributions of stonefly (Plecoptera) and caddisfly (Trichoptera) species in three stream systems in New Brunswick and Nova Scotia, Canada with reference to stream acidity. *Can. Tech. Rep. Fish. Aquat. Sci.* 1720:1-42.
- PICKER M.** (1980): *Neoperla spio* (Plecoptera): A species complex? *Syst. Entomol.* 5:185-198.
- POFF, N.L. and J.V. WARD.** (1991): Drift responses of benthic invertebrates to experimental streamflow variation in a hydrologically stable stream. *Can. J. Fish. Aquat. Sci.* 48: 1926-1936.
- POULTON, B.C. and K.W. STEWART.** (1991): The stoneflies of the Ozark and Ouachita Mountains (Plecoptera). *Mem. Amer. Entomol. Soc.* 38: 1-116.
- PRESA, Y., M. POSTIGO, J. SOTO and E. LUIS.** (1991): Characterization of Stoneflies (Plecoptera) and Mayflies (Ephemeroptera) in the Orbigo Basin (León, NW Spain). pp. 415-423 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) *Overview and Strategies of Ephemeroptera and Plecoptera.* The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- PUIG, M.A., M. FERRERAS-ROMERO and A. GARCIA-ROJAS.** (1990): Morphological variability of *Tyrrhenoleuctra minuta* (Klapélek, 1903) in south Spain. pp. 357-360 In: Campbell, I. C. (ed.). *Mayflies and stoneflies: life histories and biology.* Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- PUIG, M.A., F. SABATER and J. MALO.** (1990): Benthic and hyporheic faunas of mayflies and stoneflies in the Ter River Basin (NE-Spain). pp. 255-258. In: Campbell, I. C. (ed.). *Mayflies and stoneflies: life histories and biology.* Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- QUINN, J.M. and C.W. HICKEY.** (1990): Characteristics and classification of benthic invertebrate communities in 88 New Zealand rivers in relation to environmental factors. *N. Z. J. Mar. Freshwater Res.* 24: 387-410.

- QUINN, J.M. and C.W. HICKEY.** (1990): Magnitude of effects of substrate particle size, recent flooding and catchment development on benthic invertebrates in 88 New Zealand rivers. *N. Z. J. Mar. Freshwater Res.* 24: 411-428.
- RA, C., S. BAIK and Y. CHO.** (1991): A new species of *Pteronarcys* (Pteronarcyidae, Plecoptera, Insecta) from Korea. *Korean J. Syst. Zool.* 7:117-126.
- RA, C., S. BAIK and Y. CHO.** (1991): Observation of the adults and eggs of two species of the family Perlidae (Plecoptera) new to Korea. *Korean J. Syst. Zool.* 7:101-110.
- RASMUSSEN, K. and C. LINDEGAARD.** (1988): Effects of iron compounds on macroinvertebrate communities in a Danish lowland river system. *Water Res.* 22(9):1101-1108.
- RAVIZZA, C. and G. VINCON.** (1991): *Leuctra queyrassiana* sp. n., a strongly orophilic stonefly (Plecoptera: Leuctridae) from the French Alps. *Aquatic Insects* 13(4): 251-255.
- RAVIZZA, C. and G. VINCON.** (1991): Une nouvelle espèce de Plécoptère des Préalpes françaises: *Leuctra zwicki* n.sp. (Plecoptera, Leuctridae). *Nouv. Revue Entomol. (N.S.)* 8(1): 61-65.
- RAVIZZA, C. and E. RAVIZZA DEMATTEIS.** (1990): The stonefly fauna of the Oropa valley (Pennine Alps) (Plecoptera). *Boll. Mus. Regionale Sci. Nat. Torino* 8(1): 321-342.
- REHFELDT, G. and W. SÖCHTIG.** (1991): Heavy metal accumulation by *Baetis rhodani* and macrobenthic community structure in running waters of the N'Harz mountains (Lower Saxony/FRG) (Ephemeroptera: Baetidae). *Entomol. Gener.* 16(1): 31-37.
- REICE, S.R.** (1991): Effects of detritus loading and fish predation on leafpack breakdown and benthic macroinvertebrates in a woodland stream. *J. N. Amer. Benthol. Soc.* 10(1): 42-56.
- RHODES, H.A. and W.A. HUBERT.** (1991): Submerged undercut banks as macroinvertebrate habitat in a subalpine meadow stream. *Hydrobiologia* 213: 149-154.
- RICHARDSON, J.S.** (1991): Seasonal food limitation of detritivores in a montane stream: an experimental test. *Ecology* 72(3): 873-887.

- ROBINSON, C.T., G.W. MINSHALL and S.R. RUSHFORTH.** (1990): Seasonal colonization dynamics of macroinvertebrates in an Idaho stream. *J. N. Am. Benthol. Soc.* 9(3):240-248.
- ROEDING, C.E. and L.A. SMOCK.** (1989): Ecology of macroinvertebrate shredders in a low-gradient sandy-bottomed stream. *J. N. Am. Benthol. Soc.* 8(2):149-161.
- ROGER, M.C., B. FAESSEL and M. LAFONT.** (1991): Impact thermique des effluents du Centre de Production Nucléaire du Bugey sur les invertébrés benthiques du Rhône. *Hydroecol. Appl.* 1: 62-110 (French).
- ROSCISZEWSKA, E.** (1991): Ultrastructural and histochemical studies of the egg capsules of *Perla marginata* (Panzer, 1799) and *Dinocras cephalotes* (Curtis, 1827) (Plecoptera: Perlidae). *Int. J. Insect Morphol. Embryol.* 20: 189-204.
- RUGGLES, K.K. and D.C. TARTER.**(1991): Ecological life history of *Peltoperla tarteri* (Plecoptera: Peltoperlidae) from Big Hollow of Paint Creek, Fayette County, West Virginia. *Psyche* 98: 33-46.
- RUPPRECHT, R.** (1990): Can adult stoneflies utilize what they eat? pp. 119-123. In: Campbell, I. C. (ed.). *Mayflies and stoneflies: life histories and biology.* Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- RUTT, G.P., N.S. WEATHERLEY and S.J. ORMEROD.** (1990): Relationships between the physiochemistry and macroinvertebrates of British upland streams: the development of modelling and indicator systems for predicting fauna and detecting acidity. *Freshwater Biol.* 24:463-480.
- SANCHEZ-ORTEGA, A. and J. ALBA TERCEDOR.** (1989): Characteristics of phenology and distribution of the plecopteran species from Sierra Nevada [Spain] (Insecta: Plecoptera). *Bol. Asoc. Esp. Entomol.* 13: 213-230.
- SANCHEZ-ORTEGA, A. and J. ALBA-TERCEDOR.** (1990): Life cycles of some species of Plecoptera in Sierra Nevada (south of Spain). pp. 43-52 In: Campbell, I. C. (ed.). *Mayflies and stoneflies: life histories and biology.* Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- SANCHEZ-ORTEGA, A. and J. ALBA-TERCEDOR.** (1990): Los Plecopteros de Sierra Nevada (Granada, Espana). *Zoologica baetica.* 1:77-146 (In Spanish).

- SANCHEZ-ORTEGA, A. and J. ALBA-TERCEDOR.** (1991): The life cycle of *Perla marginata* and *Dinocras cephalotes* in Sierra Nevada (Granada, Spain) (Plecoptera: Perlidae). pp. 493-501 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) Overview and Strategies of Ephemeroptera and Plecoptera. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- SANCHEZ-ORTEGA, A., J.M. ROPERO-MONTERO and M.P. PENA-CUENCA.** (1991): Adult Morphology of *Siphonoperla* species in the Iberian Peninsula. pp. 217-221 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) Overview and Strategies of Ephemeroptera and Plecoptera. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- SANCHEZ-ORTEGA, A., M.P. PENA CUENCA and J.M. ROPERO MONTERO.** (1990): Sobre la distribucion de *Leuctra iliberis* Sanchez-Ortega y Alba-Tercedor, 1988 (Plecoptera: Leuctridae). Boletin Asoc. esp. Entomol. 14: 269.
- SARGENT, B.J., R.W. BAUMANN and B.C. KONDRATIEFF.** (1991): Zoogeographic affinities of the Nearctic stonefly (Plecoptera) fauna of Mexico. Southwestern Natur. 36(3): 323-331.
- SARTORI, M., P. MEMBIELA, C. RAVIZZA, A. SANCHEZ-ORTEGA and P. ZWICK.** (1990): Liste des types déposés au Musée de zoologie, Lausanne [Switzerland]. 1. Plecoptera (Insecta). Bull. Soc. Vaud. Sc. Nat. 80(2): 165-190 (French).
- SCHIEMENZ RAMOS, L.** (1990): Die Larven von Eintags- und Steinfliegen des Harzes und ihre Bedeutung für die Fließgewässerbewertung. Unpublished Diploma-thesis Technical University, Braunschweig, 90 pp. + 16 Tables.
- SCHIMMER, H. and G. FRIEDRICH.** (1990): Die Auswirkungen der Gewässerversauerung auf das Makrozoobenthon ausgewählter Mittelgebirgsbäche im Sauer- und Siegerland. Lauterbornia. 5:49-66 (German).
- SCHNEIDER, G.** (1990): Contributions to the knowledge of *Neofulla* (Plecoptera, Notonemouridae) from Chile and Argentina. Stud. Neotrop. Fauna Environ. 25(4):249-251.
- SCHONELY, K.** (1990): The predators of insects. Ecol. Entomol. 15:333-346.
- SCHULTE, H. and A. WEINZIERN.** (1990): Beiträge zur Faunistik einiger Wasserinsektenordnungen (Ephemeroptera, Plecoptera, Coleoptera, Trichoptera) in Niederbayern. Lauterbornia 6:1-83 (German).

- SHUBINA, V.N. and V.G. MARTYNOV.** (1990): Drift of benthic invertebrates in frozen-over salmon-inhibited rivers of the northern European USSR. *Gidrob iol. Zh.* 26: 27-31.
- SIBLEY, P.K., N.K. KAUSHIK and D.P. KRENTZWEISER.** (1991): Impact of a pulse application of Permethrin on the macroinvertebrate community of a headwater stream. *Environ. Pollut.* 70: 35-56.
- SINGH, H.R. and P. NAUTIYAL.** (1990): Altitudinal changes and the impact of municipal sewage on the community structure of macrobenthic insects in the torrential reaches of the River Ganges in the Garhwal Himalaya (India). *Acta Hydrobiol.* 32(3/4): 407-421.
- SINICHENKOVA, N.D.** (1990): New mesozoic stoneflies of Asia. *Paleontol. Zh.* 3: 63-70.
- SKWARCZYNSKA, M. and R. SOWA.** (1989): *Perla pallida dacica* Klapálek, 1907 (Plecoptera, Perlidae) retrouvée aussi en Pologne. *Acta Hydrobiol.* 31(3/4): 285-286. (Polish).
- SMITH, W.C. and T.H. GOLDSMITH.** (1990): Phyletic aspects of the distribution of 3-hydroxyretinal in the class Insecta. *J. Mol. Evol.* 30:72-84.
- SOLDAN, T.** (1991): Plecoptera sample of the Nam Cat Tien Forest Reserve, p. 10 In: Spitzer, K., Lepš, J. and M. Zacharda (eds.): *Nam Cat Tien: Czechoslovak Vietnamese Expedition, November 1989.*
- SOLUK, A.S.** (1990): Postmolt susceptibility of *Ephemerella* larvae to predatory stoneflies: constraints on defensive armour. *Oikos* 58: 336-342.
- STARK, B.P.** (1990): *Neoperla clymene* revisited: Systematics of the nearctic species complexes (Plecoptera: Perlidae). pp. 299-310. In Campbell, I. C. (ed.). *Mayflies and stoneflies: life histories and biology.* Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- STARK, B.P.** (1991): Redescription of *Klapalekia augustibraueri* (Klapálek) (Plecoptera: Perlidae). *Aquat. Insects* 13: 189-192.
- STARK, B.P. and L.D. BROWN.** (1991): What is *Acroneuria evoluta* Klapálek (Plecoptera: Perlidae)? *Aquat. Insects* 13(1): 29-32.
- STARK, B.P. and I. SIVĚC.** (1991): Descriptions of Oriental Perlini (Plecoptera: Perlidae). *Aquat. Insects* 13: 151-160.

- STEINER, K.** (1991): Food preferences in larvae of *Protonemura nitida* (Plec.) (Ritrodat-Lunz study area, Austria). Verh. Internat. Verein. Limnol. 24: 1948-1952.
- STEINER, K.** (1991): Some notes on feeding of *Protonemura nitida* (Plecoptera). pp. 425-438 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) Overview and Strategies of Ephemeroptera and Plecoptera. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.
- STEWART, K.W. and M. MAKETON.** (1990): Intraspecific variation and information content of drumming in three Plecoptera species. pp. 259-268 In: Campbell, I. C. (ed.). Mayflies and stoneflies: life histories and biology. Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- STEWART, K.W. and M. MAKETON.** (1991): Structures used by Nearctic Stoneflies (Plecoptera) for drumming and their relationship to behavioral pattern diversity. Aquat. Insects 13(1): 33-53.
- STEWART, K.W., R.E.DEWALT and M.W. OSWOOD.** (1991): *Alaskaperla*, a new stonefly genus (Plecoptera: Chloroperlidae), and further descriptions of related Chloroperlidae. Ann. Entomol. Soc. Amer. 84(3):239-247.
- STEWART, K.W., R.L. BOTTORFF, A.W. KNIGHT and J.B. MORING.** (1991): Drumming of four North American Euholognatha stonefly species, and a new complex signal pattern in *Nemoura spiniloba* Jewett (Plecoptera: Nemouridae). Ann. Entomol. Soc. Amer. 84(2): 201-206.
- STEWART, K.W., R.L. HASSAGE, S.J. HOLDER and M.W. OSWOOD.** (1990): Life cycles of six stonefly species (Plecoptera) in subarctic and arctic Alaska [USA] streams. Ann. Entomol. Soc. Am. 83(2):207-214.
- STÖSSEL, F.** (1990): Schädigung und Erholung der Makroinvertebraten im schweizerischen Abschnitt des Rheins nach dem Brandfall in Schweizerhalle (1. November 1986). Limnologie aktuell. 1:277-291 (In German).
- STRACK-ROMBACH, M.** (1990): Limnologische Untersuchung der Erft und des ErftmHhlenbaches im Raum Kuchenheim (Kreis Euskirchen). Decheniana 143: 392-399 (German).
- STRACK-ROMBACH, M.** (1991): Nachtrag zu: Limnologische Untersuchungen der Erft und des Erftmühlenbaches im Raum Kuchenheim (Kreis Euskirchen), Decheniana 143, 392-399 (1990). Decheniana 144: 141-145.

- SUREN, A.M.** (1991): Bryophytes as invertebrate habitat in two New Zealand alpine streams. *Freshwater Biol.* 26: 399-418.
- SUREN, A.M.** (1991): Assessment of artificial bryophytes for invertebrate sampling in two New Zealand alpine streams. *N. Z. Mar. Freshwater Res.* 25: 101-112.
- SUTER, P.J. and J.E. BISHOP.** (1990): Stoneflies (Plecoptera) of South Australia. pp. 189-207 In: Campbell, I. C. (ed.). *Mayflies and stoneflies: life histories and biology.* Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- SZCZESNY, B.** (1990): Benthic macroinvertebrates in acidified streams of the Swietokrzyski National Park (Central Poland). *Acta Hydrobiol.* 32: 155-170.
- TARTER, D.C. and R.F. KIRCHNER.** (1980): List of the stoneflies (Plecoptera) of West Virginia. *Entomol. News* 91(2): 49-53.
- TESLENKO, V.A. and L.A. ZHILTZOVA.** (1989): Larvae of Siberian and Far eastern species of the family Perlidae (Plecoptera). *Vestnik Zoologii* 4: 14-20.
- TITTIZER, T., F. SCHÖLL and M. SCHLEUTER.** (1990): Beitrag zur Struktur und Entwicklungsdynamik der Benthofauna des Rheins von Basel bis Düsseldorf in den Jahren 1986 und 1987. *Limnologie aktuell.* 1:293-323 (In German).
- UCHIDA, S.** (1981): Benthic animals of mountain streams in the Oi-gawa Genryubu Wilderness Area in the Southern Japanese Alps, Central Japan. pp. 295-319 In: *Conservation Reports Oi-gawa Genryubu Wilderness Area in the Southern Japanese Alps, Central Japan.* Nature Conserv. Soc., Japan. (Japanese).
- UCHIDA, S.** (1985): Additional Plecoptera (Insecta) collected at Konomazawa, Tsukui-machi. *Nat. Hist. Report Kanagawa, Yokohama.* 6:79-80 (Japanese).
- UCHIDA, S.** (1985): Aquatic larvae in rivers and streams. *Insectarium, Tokyo.* 22(12)16-23 (Japanese).
- UCHIDA, S.** (1989): Streams and lotic insects in Europe. *Insectarium, Tokyo.* 26(11)332-338 (Japanese).

- UCHIDA, S.** (1990): Distribution of Plecoptera in the Tama-Gawa River system, central Japan. pp. 181-188 In: Campbell, I. C. (ed.). Mayflies and stoneflies: life histories and biology. Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- UCHIDA, S.** (1991): Relationship between the water temperature and the distribution of Plecoptera in the Tama River. *Insectarium* 28(1): 20-25.
- UCHIDA, S. and Y. ISOBE.** (1991): Designation of a Neotype for *Kamimuria tibialis* (Pictet, 1841), and *K. uenoi* Kohno, 1947, spec. propr., stat. n. (Plecoptera, Perlidae). *Aquat. Insects* 13(2): 65-77.
- UCHIDA, S. and T. YAMASAKI.** (1989): Some Perlinae (Plecoptera: Perlidae) from the Malay Peninsula and Thailand with the redescription of *Neoperla hamata* from Assam [India]. *Bull. Biogeogr. Soc. Japan* 44:135-144.
- WAIS, I.R. and L.I. DE CABO.** (1990): A note on the nymphs of the genus *Notoperla* Enderlein 1909 (Plecoptera, Gripopterygidae, Leptoperlinae). pp. 337-339 In: Campbell, I. C. (ed.). Mayflies and stoneflies: life histories and biology. Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- WALLACE, J.B., A.D. HURYN and G.J. LUGTHART.** (1991): Colonization of a headwater stream during three years of seasonal insecticidal applications. *Hydrobiologia* 211: 65-76.
- WEATHERLY, N.S. and S. J. ORMEROD.** (1990): Forests and the temperature of upland streams in Wales [UK]: A modelling exploration of the biological effects. *Freshwater Biol.* 24:109-122.
- WEINZIERL, A. and A. DORN.** (1989): Stein- und Köcherfliegen-Nachweise entlang der Münchener Isar (Insecta: Plecoptera, Trichoptera). *Lauterbornia* 1: 6-22.
- WILLIAMS, D.D.** (1990): A field study of the effects of water temperature, discharge and trout odor on the drift of stream invertebrates. *Arch. Hydrobiol.* 119:167-181.
- WILLIAMS, D.D.**(1991): Life history traits of aquatic arthropods in springs. *Mem. Entomol. Soc. Can.* 155: 63-87.
- WILLIAMS, M.C. and R. W. LICHTWARD.** (1990): Trichomycete gut fungi in New Zealand aquatic insect larvae. *Can. J. Bot.* 68:1045-1056.

- YANG, J. and D. YANG.** (1990): One new species of the genus *Styloperla* from Jiangxi (Plecoptera: Styloperlidae). *Acta Agricult. Univ. Jiangxiensis*. No. 43, 12(2):45-46.
- YANG, P., K. WONG and S. HSIEH.** (1990): Survey on the resource and ecology of aquatic insects in Pei-Shih stream [Taiwan]: I. Aquatic insect fauna and related ecological study. *Chin. J. Entomol.* 10:209-224.
- YULE, C.M.** (1990): The life cycle and dietary habits of *Illiesoperla mayi* Perkins (Plecoptera: Gripopterygidae) in Victoria, Australia. pp. 71-80 In: Campbell, I. C. (ed.). *Mayflies and stoneflies: life histories and biology*. Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- ZEIGLER, D.D.** (1990): Observations pertinent to the role of sexual selection in the stonefly *Pteronarcella badia* (Plecoptera: Pteronarcyidae). *Entomol. News* 101(5):283-287.
- ZEIGLER, D.D.** (1991): Passive choice and possible mate guarding in the stonefly *Pteronarcella badia* (Plecoptera: Pteronarcyidae). *Florida Entomol.* 74(2): 335-340.
- ZHILTZOVA, L.A.** (1989): One new and three little known species of stoneflies (Plecoptera: Nemouridae, Capniidae, Leuctridae) of the fauna of the USSR. *Ent. Obozr.* 68: 582-586 (Russian).
- ZHILTZOVA, L.A.** (1990): New and lesser known stonefly species of the USSR (Plecoptera, Nemouridae, Capniidae, Leuctridae). *Entomol. Rev.* 69(3): 50-55.
- ZWICK, P.** (1990): Emergence, maturation and upstream oviposition flights of Plecoptera from the Breitenbach (Hesse, Germany), with notes on the adult phase as a possible control of stream insect populations. *Hydrobiologia* 194: 207-223.
- ZWICK, P.** (1990): Notes on Plecoptera (20). *Protonemura towadensis* (Kawai, 1954). *Aquat. Insects.* 12(4):246.
- ZWICK, P.** (1990): Transantarctic relationships in the Plecoptera. pp. 141-148 In: Campbell, I. C. (ed.). *Mayflies and stoneflies: life histories and biology*. Kluwer Academic Publishers, Dordrecht, The Netherlands. 366 pp.
- ZWICK, P.** (1991): Biometric studies of the growth and development of two species of *Leuctra* and of *Nemurella pictetii* (Plecoptera: Leuctridae and Nemouridae). pp. 515-526 In: Alba-Tercedor, J. and A. Sanchez-Ortega (eds.) *Overview and Strategies of Ephemeroptera and Plecoptera*. The Sandhill Crane Press, Inc. Gainesville, Florida. 588 pp.

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