

RECENT PLECOPTERA LITERATURE

(Calendar Year 1992 and Earlier)

- ADAMICKA, P.S.** (1991): A food schedule for *Cottus gobio* L. (Pisces) in Oberer Seebach, Ritrodat-Lunz study area, Austria. - Verh. Internat. Verein. Limnol. 24: 1941-1943.
- ALOUF, N.J.** (1991): Développement de Plécoptères (Insecta) dans un ruisseau permanent du Liban [Development of Plecoptera (Insecta) in a permanent stream in the Lebanon]. - Annls. Limnol. 27: 133-139 (French).
- ALOUF, N.J.** (1992): Description de deux Plécoptères du Liban: *Capnia bicornata* n.sp. et *Siphonoperla libanica* n.sp. - Senckenbergiana Biol. 72: 173-177.
- ANDERSON, N.H.** (1992): Influence of disturbance on insect communities in Pacific Northwest streams. - Hydrobiologia 248: 79-92.
- ANDRIKOVICS, S.** (1991): On the long-term changes of the invertebrate macrofauna in the creeks of the Pilis-Visegradi mountains (Hungary). - Verh. Internat. Verein. Limnol. 24: 1969-1972.
- ARENS, W.** (1989): Comparative functional morphology of the mouthparts of stream animals feeding on epilithic algae. - Arch. Hydrobiol., Suppl. 83: 253-354.
- BÄRLOCHER, F., T. HÄFLIGER, R. MARBACH-UGAZIO & B. RHYNER** (1991): Limnological studies on the Rhine and two of its tributaries in Basel. - Verh. Internat. Verein. Limnol. 24: 1800-1803.
- BASAGUREN, A., M. CACHO & E. ORIVE** (1991): Ordination of small fast-running rivers by means of selected taxa of Plecoptera, Ephemeroptera and Trichoptera. - Verh. Internat. Verein. Limnol. 24: 1979-1981.
- BATTEGAZZORE, M., R.C. PETERSEN JR., G. MORETTI & B. ROSSARO** (1992): An evaluation of the environmental quality of the River Po using benthic macroinvertebrates. - Arch. Hydrobiol. 125: 175-206.

BITUSIK, P., I. KRNO & F. SPORKA (1989): Makrozoobentos Dvoch L'Adovcovych Jazier V Nizkych Tatrac. - Stredné Slovensko 8: 123-133.

BLANKE, D. (1988): Ökologische Untersuchungen der Makrobenthon- und Fischfauna des Südniedersächsischen Mittelgebirgsbaches Bewer bei Markoldendorf. [Ecological studies of the macrobenthic and fish fauna of the foothill stream Bewer near Markoldendorf, southern Lower Saxony]. - unpubl. thesis, Georg - August - University Göttingen; full page number not known, Plecoptera on pp. 59-60,102.

BOHLE, H.W. & G. POTABGY (1992): *Metreletus balcanicus* (ULMER 1920), *Siphlonurus armatus* (EATON 1870) (Ephemeroptera, Siphlonuridae) und die Fauna sommertrockener Bäche. - Lauterbornia 10: 43-60.

BÖTTGER, K. & R. PÖPPERL (1992): Zur Makroinvertebraten-Besiedlung eines norddeutschen Tieflandbaches unter Herausstellung rheotypischer Arten. Limnologische Studien im Naturschutzgebiet Kossautal (Schleswig-Holstein) II. [On macroinvertebrate colonists of a north German lowland stream, with emphasis on rheotypical taxa. Limnological studies in the Nature Reserve Kossau-Valley (Schleswig-Holstein) II]. - Limnologica 22: 1-15.

BOULTON, A.J. & P.S. LAKE (1992): The ecology of two intermittent streams in Victoria, Australia. II. Comparisons of faunal composition between habitats, rivers and years. - Freshw. Biol. 27: 99-121.

BOULTON, A.J. & P.S. LAKE (1992): The ecology of two intermittent streams in Victoria, Australia. III. Temporal changes in faunal composition. - Freshw. Biol. 27: 123-138.

BOULTON, A.J. & P.S. LAKE (1992): The macroinvertebrate assemblages in pools and riffles in two intermittent streams (Werribee and Lerderderg rivers, southern central Victoria). - Occasion. Papers Mus. Victoria 5: 55-71.

BOULTON, A.J. & P.S. LAKE (1992): Benthic organic matter and detritivorous macroinvertebrates in two intermittent streams in southeastern Australia. - Hydrobiol. 241: 107-118.

- BOULTON, A.J., H.M. VALETI & S.G. FISHER** (1992): Spatial distribution and taxonomic composition of the hyporheos of several Sonoran Desert streams. - Arch. Hydrobiol. 125: 37-61.
- BRAASCH, D.** (1992): Rote Liste Steinfliegen (Plecoptera) [Red list of stoneflies (Plecoptera)]. - pp. 219-221 In: Ministerium für Umwelt, Naturschutz und Raumordnung des Landes Brandenburg (ed.): Rote Liste Gefährdeter Tiere im Land Brandenburg; 288 pp. [Minister of Environment, Nature Conservation and Land-Use of the State Brandenburg (ed.): Red List of endangered animals in the state Brandenburg].
- BROOKS, S.S. & A.J. BOULTON** (1991): Recolonization dynamics of benthic macroinvertebrates after artificial and natural disturbances in an Australian temporary stream. - Aust. J. Mar. Freshw. Res. 42: 295-308.
- BUNN, S.E. & P.M. DAVIES** (1992): Community structure of the macroinvertebrate fauna and water quality of a saline river system in south-western Australia. - Hydrobiologia 248: 143-160.
- BUSKE, C.** (1991): Zur Ökologie der Makroinvertebraten-Fauna eines norddeutschen Seeabflusses, dargestellt anhand von Emergenzfängen am Oberen Schierenseebach (Schleswig-Holstein). [Contribution to the ecology of the macroinvertebrate fauna of a north German lake outflow, based on emergence trap collections on Oberer Schierenseebach (Schleswig-Holstein)]. - unpubl. thesis, Christian-Albrechts-University, Kiel; 128 pp.
- CABO, L.I. & I.R. de WAIS** (1988): *Anacroneuria reedi* (Navas, 1919) in the Province of Catamarca, Argentina (Plecoptera: Perlidae). - Spheniscus 6: 10.
- CAIN, D.J., S.N. LUOMA, J.L. CARTER & S.V. FEND** (1992): Aquatic insects as bioindicators of trace element contamination in cobble-bottom rivers and streams. - Can. J. Fish. Aquat. Sci. 49: 2141-2154.
- CAMARGO, J.A.** (1992): Macroinvertebrate responses along the recovery gradient of a regulated river (Spain) receiving an industrial effluent. - Arch. Environ. Contam. Toxicol. 23: 324-332.

CRUNKILTON, R.L. & R.M. CRUNKILTON (1991): Use of stream order and biological indices to assess water quality in the Osage and Black river basins of Missouri. - *Hydrobiologia* 224: 155-166.

DANIELS, S.M. & J.C. MORSE (1992): Mayflies (Ephemeroptera), stoneflies (Plecoptera), and other interesting biota of Wildcat Creek, South Carolina, a biodiversity reference stream. - *Entomol. News* 103: 44-52.

DAVIES, D.M. (1991): Additional records of predators upon black flies (Simuliidae: Diptera) - *Bull. Soc. Vector Ecol* 16: 256-268.

DE MOOR, F.C. (1992): Factors influencing the establishment of aquatic insect invaders. - *Trans. Roy. Soc. S. Africa* 48: 141-158.

DEAN, J.C. & D.I. CARTWRIGHT (1992): Plecoptera, Ephemeroptera and Trichoptera of the Pelion Valley, Tasmanian World Heritage area. - *Occasion. Papers Mus. Victoria* 5: 73-79.

DIETERICH, M. & N.H. ANDERSON (1990): Temporary stream communities in western Oregon: Life histories of dominant mayflies and stoneflies. - *Northwest Sci.* 64: 105.

DOBSON, M. (1991): An assessment of mesh bags and plastic leaf traps as tools for studying macroinvertebrate assemblages in natural leaf packs. - *Hydrobiologia* 222: 19-28.

DOLE-OLIVIER, M.J. & P. MARMONIER (1992): Patch distribution of interstitial communities: prevailing factors. - *Freshw. Biol.* 27: 177-191.

DUDGEON, D. & IVAN K.K. CHAN (1992): An experimental study of the influence of periphytic algae on invertebrate abundance in a Hong Kong stream. - *Freshw. Biol.* 27: 53-63.

EDWARDS, R.W., S.J. ORMEROD & C. TURNER (1991): Field experiments to assess biological effects of pollution episodes in streams. - *Verh. Internat. Verein. Limnol.* 24: 1734-1737.

- ELLIOTT, J.M.** (1992): The effect of temperature on egg hatching for three populations of *Perlodes microcephala* (Pictet) and three populations of *Diura bicaudata* (Linnaeus) (Plecoptera: Perlodidae). - Entomol. Gazette 43: 115-123.
- FALK, L.** (1989): Faunistisch-ökologische Mitteilungen 33. 081 (Plecoptera: Steinfliegen) - *Leuctra aurita* NAVAS 1919 - neu für die Pfalz [Faunistic-ecological communications 33. 081 (Plecoptera: stoneflies) - *Leuctra aurita* NAVAS 1919 new for the Pfalz]. - Pfälzer Heimat 40: 33.
- FELDMAN, R.S. & E.F. CONNOR** (1992): The relationship between pH and community structure of invertebrates in streams of the Shenandoah National Park, Virginia, U.S.A. - Freshw. Biol. 27: 261-276.
- FELTMATE, B.W. & D.D. WILLIAMS** (1991): Path and spatial learning in a stonefly nymph. - Oikos 60: 64-68.
- FELTMATE, B.W., D.D. WILLIAMS & A. MONTGOMERIE** (1992): Relationship between diurnal activity patterns, cryptic coloration, and subsequent avoidance of predaceous fish by perlid stoneflies. - Can. J. Fish. Aquat. Sci. 49:2630-2634.
- FIAŁKOWSKI, W. & R. SOWA** (1991): Additional records of predators upon black flies (Simuliidae: Diptera) - Bull. Soc. Vector Ecol. 16: 256-268.
- FIAŁKOWSKI, W. & R. SOWA** (1992): Widelnice Plecoptera. - pp.93-96 in: GLOWACINSKI, Z. (ed.): Red List of threatened Animals in Poland. - Polish Academy of Sciences, Nature Protection Research Centre, Kraków, 119 pp. [Polish; English summary].
- FIAŁKOWSKI, W.** (1990): In memoriam: Prof. R. Sowa. - Aquat. Ins. 12: 129-133.
- FISCHER, S.A. & L.W. HALL, JR.** (1992): Environmental concentrations and aquatic toxicity data on dislubenzuron (Dimilin). - Critical Rev. Toxicol. 22: 45-79.
- FJELLHEIM, A. & G.G. RADDUM** (1992): Recovery of acid-sensitive species of Ephemeroptera, Plecoptera and Trichoptera in River Audna after liming. - Environ. Poll. 78: 173-178.

FLOWERS, R.W. (1991): Diversity of stream-living insects in northwestern Panama. - J. N. Am. Benthol. Soc. 10: 322-334.

FOCHETTI, R. (1992): Il microscopio elettronico a scansione nella sistematica delle specie Italiane de *Nemoura* del gruppo *flexuosa-marginata* (Plecoptera Nemouridae) [The scanning electron microscope in the systematics of the Italian species of *Nemoura* of the *flexuosa-marginata* group (Plecoptera Nemouridae)]. - Boll. Soc. Ent. Ital. 124: 91-98.

FOCHETTI, R. & P. ZWICK (1992): Designation of a Type Species for *Brachyptera* Newport, 1851 (Plecoptera, Taeniopterygidae). - Aquat. Ins. 14: 72.

FUNK, D.H. & B.W. SWEENEY (1990): Electrophoretic analysis of species boundaries and phylogenetic relationships in some taeniopterygid stoneflies (Plecoptera). - Trans. Am. Entomol. Soc. 116: 727-752.

GAHSCHE, J. (1992): Ökologisch-faunistische Untersuchungen zweier Bachsysteme - ein Beitrag zur Inventarisierung im Gebiet des Nationalparks Hochharz. [Ecological and faunistical studies of two stream systems - a contribution towards an inventory in the High Harz National Park]. - Mitt. Naturw. Ver. Goslar 3: 111-130.

GEE, J.H.R. & A.J. ABBOTT (1991): Effect of crevice width on the colonization of artificial substrata by stream invertebrates. - Verh. Internat. Verein. Limnol. 24: 1730-1733.

GESSNER, M.O., E. MEYER & J. SCHWOERBEL (1991): Rapid processing of fresh leaf litter in an upland stream. - Verh. Internat. Verein. Limnol. 24: 1846-1850.

GILLER, P.S., N. SANGPRADUB & H. TWOMEY (1991): Catastrophic flooding and macroinvertebrate community structure. - Verh. Internat. Verein. Limnol. 24: 1724-1729.

GOLUBKOV, S.M., T.M. TIUNOVA & S.L. KOCHARINA (1992): Dependence of the Respiration Rate of Aquatic Insects upon the Oxygen Concentration in Running and Still Water. - Aquat. Ins. 14: 137-144.

GRIFFITH, M.B. & S.A. PERRY (1992): Plecoptera of headwater catchments in the Fernow Experimental Forest, Monongahela National Forest, West Virginia. - Proc. Entomol. Soc. Wash. 94: 282-287.

GRIFFITH, M.B. & S.A. PERRY (1993): The distribution of macroinvertebrates in the hyporheic zone of two small Appalachian headwater streams. - Arch. Hydrobiol. 126: 373-384.

GUEROLD, F., D. VEIN & G. JACQUEMIN (1991): Les peuplements d'ephéméroptères de plécoptères et de trichoptères des ruisseaux acides et non acides du massif vosgien: Première approche. [Ephemeroptera, Plecoptera, Trichoptera communities of acidic and non-acidic streams in the Vosges Mountains: A preliminary study.] - Rev. Sci. Eau. 4: 299-314 (French).

HABDIJA, I. (1991): Standing crop and trophic relationships of the macrozoobenthos in a karst river. - Verh. Internat. Verein. Limnol. 24: 2024-2027.

HALAND, O. (1992): The life cycle of *Capnopsis schilleri* (Plecoptera: Capniidae) in Saeterbekken near Oslo, Norway. - Fauna Norv., Ser. B. 39: 45-48.

HANADA, S., Y. ISOBE & K. WADA (1992): Behaviors of adult stoneflies of *Microperla brevicauda* Kawai and *Kamimuria tibialis* (Pictet) (Plecoptera: Insecta). - Biol. Int. Wat. 7: 1-9 (in Japanese).

HARDING, J.S. (1992): Physico-chemical parameters and invertebrate faunas of three lake inflows and outlets in Westland, New Zealand. - New Zealand J. Mar. Freshw. Res. 26: 95-102.

HARDING, J.S. (1992): Discontinuities in the distribution of invertebrates in impounded south island river, New Zealand. Regulat. Rivers. - Res. Manage. 7: 327-335.

HARPER, P.P. (1992): Stoneflies of Panama (Plecoptera). - pp. 114-121 In: D. QUINTERO & A. AIELLO (eds): Insects of Panama and Mesoamerica Selected Studies. - Oxford University Press.

HART, D.D. (1992): Community organization in streams: The importance of species interactions, physical factors, and chance. - Oecologia (Heidelberg) 91: 220-228.

HARRIS, J.H., G. SCARLETT & R.J. MACINTYRE (1992): Effects of a pulp and paper mill on the ecology of the La Trobe River, Victoria, Australia. - *Hydrobiologia* 246: 49-67.

HARVEY, B.C. & W.R. HILL (1988): Effects of snails and fish on benthic invertebrate assemblages in a headwater stream. - *J. N. Am. Benthol. Soc.* 10: 263-270.

HEITKAMP, U., D. LESSMANN, J. ROMMELMANN, R. RÜDDENKLAU & J. WULFHORST (1991): Limnology of a slightly alkaline and an acidified brook in the Harz Mountain (FRG). - *Verh. Internat. Verein. Limnol.* 24: 1862-1868.

HILDREW, A.G., M.K. DOBSON, A. GROOM, A. IBBOTSON, J. LANCASTER & S.D. RUNDLE (1991): Flow and retention in the ecology of stream invertebrates. - *Verh. Internat. Verein. Limnol.* 24: 1742-1747.

HILL, C. & R. ELMGREN (1992): Predation by the isopod *Saduria entomon* on the amphipods *Monoporeia affinis* and *Pontoporeia femorata* - experiments on prey vulnerability. - *Oecologia* 91: 153-156.

HINTON, H.E. (1981): Biology of Insect Eggs. - Pergamon Press, Oxford; Vol. I pp. XXIV + 474 (incl. 155 pls); vol. II pp XVIII + 475-778; Vol. III pp. XVIII + 779-1126.

JOHANSSON, A. & F. JOHANSSON (1992): Effects of two different caddisfly case structures on predation by a dragonfly larva. - *Aquat. Insects* 14: 73-84.

JOHANSSON, A. & A.N. NILSSON (1992): *Dytiscus latissimus* and *D. circumcinctus* (Coleoptera, Dytiscidae) larvae as predators on three case-making caddis larvae. - *Hydrobiologia* 248: 201-213.

JOWETT, I.G., J. RICHARDSON, B.J.F. BIGGS, C.W. HICKEY & J.M. QUINN (1991): Microhabitat preferences of benthic invertebrates and the development of generalized *Deleatidium* spp. habitat suitability curves, applied to four New Zealand rivers. - *New Zealand J. Marine and Freshw. Res.* 25:187-200.

KITTEL, W. & F. WOJtas (1991): Materials to the Knowledge of Plecoptera from West Bieszczady Mountains. - Acta Univ. Lodz, Folia Limnol. 4: 91-99.

KITTEL, W. (1991): Stoneflies (Plecoptera) in the Swietokrzyskie Mountains. Widelnice (Plecoptera) Gór 'Swietokrzyskich. - Fragmenta Faunistica, Warszawa, 35: 31-47; Polish, English Abstract and summary.

KITTEL, W. (1992): A note on the Plecoptera of the Roztocze Upland /Notatka o widelnicach (Plecoptera) Roztocza. - Fragmenta Faunistica 35: 345-350 (Polish, English summary).

KJELDSEN, L. (1991): Flying pattern of stoneflies (Plecoptera) at culverts and concrete pipes. - Natural Jutlandica. 23: 45-56.

KOFUJI, H., Y. ISOBE & T. KAWAI (1992): Correlation between size of body parts (particularly mandibles) and wet body weight in aquatic insects. - Jpn. J. Limnol. 53: 151-156.

KONDRATIEFF, B.C. & R.F. KIRCHNER (1991): Stoneflies: (Class Insecta: Order Plecoptera Subphylum Tracheata). Pages 214-225. In Terwilliger, K. (ed.). Virginia's Endangered Species. - The McDonald and Woodward Publishing Co., Blacksburg, VA.

KOWNACKI, A. (1991): Zonal distribution and classification of the invertebrate communities in high mountain streams in South Tirol (Italy). - Verh. Internat. Verein. Limnol. 24: 2010-2014.

KREUTZWEISER, D.P. & P.K. SIBLEY (1991): Invertebrate Drift in a Stream Treated with Permethrin. - Arch. Environ. Contam. Toxicol. 20: 330-336.

KREUTZWEISER, D.P., S.B. HOLMES & D.J. BEHMER (1992): Effects of the herbicides hexazinone and triclopyr ester on aquatic insects. - Ecotox. Environ. Safety 23: 364-374.

KRPAL, J. & M. ZELINKA (1990): Statistické Zhodnocení Nekterých Vlivů Na Výskyt Makrozoobentosu Tekoucích Vod. - Scripta 20: 451-460.

- KUKALOVA-PECK, J. & C. BRAUCKMANN** (1992): Most Paleozoic Protorthoptera are ancestral hemipteroids: major wing braces as clues to a new phylogeny of Neoptera (Insecta). - *Can. J. Zool.* 70: 2452-2473.
- KULLBERG, A.** (1992): Benthic macroinvertebrate community structure in 20 streams of varying pH and humic content. - *Environ. Poll.* 78: 103-106.
- KUUSELA, K.** (1991): Proposal for the Finnish nomenclature of stoneflies, Plecoptera. 95: 188-193 (Finnish).
- LAKE, P.S. & E.S.G. SCHREIBER** (1991): Colonization of stones and recovery from disturbance: An experimental study along a river. - *Verh. Internat. Verein. Limnol.* 24: 2061-2064.
- LANCASTER, J., A.G. HILDREW & C.R. TOWNSEND** (1991): Invertebrate predation on patchy and mobile prey in streams. - *J. Anim. Ecol.* 60: 625-641.
- LEVINGS, C.D. & R.B. LAUZIER** (1991): Extensive use of the Fraser River basin as winter habitat by juvenile chinook salmon (*Oncorhynchus tshawytscha*). - *Can. J. Zool.* 69: 1759-1767.
- LINDEGAARD, C.** (1992): Zoobenthos ecology of Thingvallavatn: vertical distribution, abundance, population dynamics and production. - *Oikos* 64: 257-304.
- LUGTHART, J.G. & J.B. WALLACE** (1992): Effects of disturbance on benthic functional structure and production in mountain streams. - *J. N. Am. Benthol. Soc.* 11: 138-164.
- MACCHIUSI, F. & R.L. BAKER** (1992): Effects of predators and food availability on activity and growth of *Chironomous tentans* (Chironomidae, Diptera). - *Freshw. Biol.* 28: 207-216.
- MAGER, T.** (1992): Die Limnofauna des Hahnenbach-Gewässersystems (Hunsrück; Regierungsbezirk Koblenz) [The limnofauna of the Hahnenbach-system (Hunsrück; District Koblenz)]. - *Decheniana* 145: 125-145.

- MALMQVIST, B.** (1992): Stream grazer responses to predator odour - an experimental study. - *Nordic. J. Freshw. Res.* 67: 27-34.
- MALMQVIST, B., S. RUNDLE, C. BRÖNMARK & A. ERLANDSSON** (1991): Invertebrate colonization of a new, man-made stream in southern Sweden. - *Freshwat. Biol.* 26: 307-324.
- MATTHEWS, G.B., R.A. MATTHEWS & B. HACHMOELLER** (1991): Mathematical analysis of temporal and spatial trends in the benthic macroinvertebrate communities of a small stream. - *Can. J. Fish. Aquat. Sci.* 48: 2184-2190.
- MEMBIELA IGLESIAS, P.** (1990): Dos Individuos Anómalos en Plecóptera. - *Scientia gerundensis* 16: 129-132.
- MEMBIELA, P.** (1990): The larvae of the genus *Perla* (Plecoptera, Perlidae) in the Iberian Peninsula. - *Miscell. Zool.* 14: 65-68 (Spanish).
- MERRETT, W.J., G.P. RUTT, N.S. WEATHERLEY, S.P. THOMAS & S.J. ORMEROD** (1991): The response of macroinvertebrates to low pH and increased aluminium concentrations in Welsh streams: multiple episodes and chronic exposure. - *Arch. Hydrobiol.* 121: 115-125.
- MERRITT, R.W. & D.L. LAWSON** (1992): The role of leaf litter macroinvertebrates in stream-floodplain dynamics. - *Hydrobiologia* 248: 65-77.
- MEYER, E.** (1991): Pattern of invertebrate community structure, abundance and standing crop in a Black Forest stream: Results of a 3-year study. - *Verh. Internat. Verein. Limnol.* 24: 1840-1845.
- MIAN, L.S. & M.S. MULLA** (1992): Effects of pyrethroid insecticides on nontarget invertebrates in aquatic ecosystems. - *J. Agric. Entomol.* 9: 73-98.
- MONTORI, A.** (1992): Diet of Pyrenean newt larvae, *Euproctus asper*, in the Prepyrenees of Cerdanya, Spain. - *Amphibia-Reptilia* 13: 157-167 (Spanish).

MOOG, O. & W. HEINISCH (1991): Macroinvertebrate drift in a fourth-order crystalline mountain stream (Wagrainer Ache, Austria). - Verh. Internat. Verein. Limnol. 24: 1897-1907.

MOOG, O. & B.F.U. JANECEK (1991): River flow, substrate type and *Hydrurus* density as major determinants of macroinvertebrate abundance, composition and distribution. - Verh. Internat. Verein. Limnol. 24: 1888-1896.

NEUMANN, P. (1992): The egg development of *Brachyptera seticornis* (Insecta, Plec.). - Verh. Internat. Verein. Limnol. 24 (1991): 2891.

NISLOW, K.H. & M.C. MOLLES, JR. (1992): Predators and case-building caddisflies. - pp. 125-128 in: C. TOMASZEWSKI (ed.), Proc. 6th Internat. Sympos. Trichoptera, Lodz-Zakopane 1989; Poznan (1991).

NOVAK, M.A. & R.W. BODE (1992): Percent model affinity: A new measure of macroinvertebrate community composition. - J. N. Amer. Benthol. Soc. 11: 80-85.

ONO, M., H. TATENO & S. KASE (1991): Ecological studies on aquatic insects of Sumkumo River and Tsubakisawa Stream in Tamagawa University forest of Hakone. - Bull. Facul. Agric. Tamagawa Univ. 189-205 (Japanese).

ORMEN, T. (1991): *Leuctra hippopus* Kempny, 1899 (Plecoptera: Leuctridae): studies on a species problem, with notes on related species. - Cand. Scient. Thesis in Systematic Zoology, Univ. of Oslo: 86 pp.

ORTLEPP, J., P. SCHROEDER, P. REY & I. TOMKA (1991): The longitudinal zonation of macroinvertebrates of the Upper River Rhine. - Verh. Internat. Verein. Limnol. 24: 1804-1811.

PALMER, C.G. & J.H. O'KEEFE (1992): Feeding patterns of four macroinvertebrate taxa in the headwaters of the Buffalo River, eastern Cape. - Hydrobiologia 228: 157-173.

PANEK, K.L.J. (1991): Dispersionsdynamik des Zoobenthos in den Bettssedimenten eines Gebirgsbaches' [Dispersion dynamics of zoobenthos in the bed sediments of a mountain stream]. - Dissertation Univ. Vienna: III + 190 pp.

PATRICK, B.H., B.M. LYFORD, J.B. WARD & B.I.P. BARRATT (1992): Lepidoptera and other insects of the Rastus Burn Basin, The Remarkables, Otago. - *J. Roy. Soc. New Zealand*, 22: 265-278.

PETERSON, R.H. & L. VAN EECKHAUTE (1992): Distribution of Ephemeroptera, Plecoptera, and Trichoptera of three maritime catchments differing in pH. - *Freshw. Biol.* 27: 65-78.

POFF, N. LEROY & 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.

POINAR, G.O., JR. (1991): Hairworm (Nematomorpha: Gordioidea) parasites of New Zealand wetas (Orthoptera: Stenopelmatidae). - *Can. J. Zool.* 69: 1592-1599.

PONS, L. (1986): Presencia en Menorca del género *Tyrrhenoleuctra* (Insecta, Plecoptera) [Presence of genus *Tyrrhenoleuctra* (Insecta, Plecoptera) in Menorca]. - *Misc. Zool.* 10: 380-382 (Spanish).

POTTS, W.T.W. & I. BRICKNELL (1992): The ionic composition of ion transporting cells in stonefly nymphs. - *Scann. Microsc.* 6: 287-294.

PUSCH, M.H.E., M. PUSCH & U. BRAUKMANN (1991): Restoration of channelized streams - a benthological study. - *Verh. Internat. Verein. Limnol.* 24: 1851-1855.

QUINN, J.M., R.J. DAVIES-COLLEY, C.W. HICKEY, M.L. VICKERS & P.A. RYAN (1992): Effects of clay discharges on streams. 2. Benthic invertebrates. - *Hydrobiologia* 248: 235-247.

QUINN, J.M., R.B. WILLIAMSON, R.K. SMITH & M.L. VICKERS (1992): Effects of riparian grazing and channelisation of streams in Southland, New Zealand: 2. Benthic invertebrates. - *New Zealand J. Mar. Freshw. Res.* 26: 259-273.

RAVIZZA, C. & E. RAVIZZA DEMATTEIS (1991): Altitudinal, seasonal and coenotic distribution patterns of stoneflies (Plecoptera) in the Oropa Valley (Pennine Alps). - *Mem. Ist. Ital. Idrobiol.* 49: 29-50.

RAVIZZA, C. & E. RAVIZZA DEMATTEIS (1992): *Leuctra canavensis*, a short winged new species of stonefly (Plecoptera: Leuctridae) from the Graian Alps (Italy). - *Aquat. Ins.* 14: 93-96.

RAVIZZA, C. & R. GERECKE (1991): A review of the distribution of Plecoptera on Sicily - *Mem. Soc. Ent. Ital.*, Genova 70: 9-31.

ROBINSON, C.T., L.M. REED & G.W. MINSHALL (1992): Influence of flow regime on life history, production, and genetic structure of *Baetis tricaudatus* (Ephemeroptera) and *Hesperoperla pacifica* (Plecoptera). - *J. North Am. Benthol. Soc.* 11: 278-289.

ROSCISZEWSKA, E. (1987): Ultrastructure of the attachment disc in *Perla* sp. (Plecoptera) egg. - pp. 281-286. In: H. ANDO and Cz. JURA (eds) Recent advances in Insect Embryology in Japan and Poland, - Arthropod. Embryol. Soc. Jpn., Tsukuba, Japan.

ROSCISZEWSKA, E. (1991): Morphological changes developing after oviposition on egg surface of *Isoperla rivulorum* (Plecoptera: Perlodidae). - *Zool. Jb. Anat.* 121: 253-258.

ROSEMOND, A.D., S.R. REICE, J.W. ELWOOD & P.J. MULHOLLAND (1992): The effects of stream acidity on benthic invertebrate communities in the south-eastern United States. - *Freshw. Biol.* 27: 193-209.

RUNDLE, S.D. & A.G. HILDREW (1992): Small fish and small prey in the food webs of some southern English streams. - *Arch. Hydrobiol.* 125: 25-35.

SAGAR, P.M. & G.J. GLOVA (1992): Invertebrate drift in a large, braided New Zealand river. - *Freshw. Biol.* 27: 405-416.

SCHIEMENZ RAMOS, L. (1990): Die Larven von Eintags- und Steinfliegen des Harzes und ihre Bedeutung für die Fließgewässerbewertung. [Larvae of mayflies and stoneflies of the Harz mountains and their significance for stream evaluation]. - Unpublished Diploma-Thesis, Technical University, Braunschweig: 90 pp. + 16 Tables.

SCHIMMER, H., G. FRIEDRICH & U. HEITKAMP (1991): The effects of acidification on the macroinvertebrate fauna in selected mountain brooks in Sauer- and Siegerland (NW Germany). - Verh. Internat. Verein. Limnol. 24: 1835-1838.

SHORT, T.M., J.A. BLACK & W.J. BIRGE (1991): Ecology of a saline stream: community responses to spatial gradients of environmental conditions. - Hydrobiologia 226: 167-178.

SKWARCZYNsKA, M. & R. SOWA (1989): *Perla pallida dacica* Klapálek, 1907 (Plecoptera, Perlidae) retrouvée aussi en Pologne [*Perla pallida dacica* Klapálek, 1907 (Plecoptera, Perlidae) rediscovered also in Poland]. - Acta Hydrobiol. 31: 285-286.

SMITH, L.C. & L.A. SMOCK (1992): Ecology of invertebrate predators in a Coastal Plain stream. - Freshw. Biol. 28: 319-329.

SMOCK, L.A., J.E. GLADDEN, J.L. RIEKENBERG, L.C. SMITH & C.R. BLACK (1992): Lotic macroinvertebrate production in three dimensions: channel surface, hyporheic, and floodplain environments. - Ecol. 73: 876-886.

SOLUK, D.A. (1993): Multiple predator effects: predicting combined functional response of stream fish and invertebrate predators. - Ecol. 74: 219-225.

STARK, B.P. & D.L. LENTZ (1992): *Dominiperla antigua* new genus new species (Plecoptera: Perlidae), the first stonefly from Dominican amber. - J. Kans. Entomol. Soc. 65: 93-96.

STEWART, A.J., G.J. HAYNES & M.I. MARTINEZ (1992): Fate and biological effects of contaminated vegetation in a Tennessee stream. - Environ. Toxicol. Chem. 11: 653-664.

STEWART, K.W. (1992): Environmental requirements of Plecoptera of the lower coastal Southeast United States. - In: W.T. Mason (Ed), Benthic ecology database catalogue of the environmental requirements committee. - Fla. Assoc. Benthol. 6: 1-6.

STOUT, B.M., E.F. BENFIELD & J.R. WEBSTER (1992): Effects of a forest disturbance on shredder production in southern Appalachian headwater streams. - Freshw. Biol. 29: 59-69.

- STRANGE, R.M. (1991):** Diet selectively in the Johnny Darter, *Etheostoma nigrum*, in Stinking Fork, Indiana. - J. Freshw. Ecol. 6: 377-382.
- SUREN, A.M. (1991):** Bryophytes as invertebrate habitat in two New Zealand alpine streams. - Freshw. Biol. 26: 399-418.
- SUREN, A.M. & M.J. WINTERBOURN (1992):** The influence of periphyton, detritus and shelter on invertebrate colonization of aquatic bryophytes. - Freshw. Biol. 27: 327-339.
- TESLENKO, V.A. (1992):** [Role of stonefly larvae in communities of freshwater invertebrates of Kedrovaja stream] (in Russian). - Author's summary, thesis, Russian Academy of Sciences, Zoological Institute, St. Petersburg, 21 pp.
- TESLENKO, V.A. & L.A. ZHILTOVA (1992):** A new species of the genus *Mesyatsia* Ricker and Ross from southern Primorye (The Soviet Far East). - Aquat. Ins. 14: 57-63.
- TOTH, L. (1990):** Provisional check-list of Hungarian stoneflies (Plecoptera). - Ann. Historico-Naturales Musei Nat. Hungarici. 82: 75-90.
- TRÖSTER, G. (1992):** Fossile Insekten aus den mitteleozänen Tonsteinen der Grube Messel bei Darmstadt [Fossil insects from the middle eocene clay stones of the quarry Messel near Darmstadt]. - Mitt. Internat. Ent. Ver. 17: 191-208.
- VOELZ, N.J. & J.V. WARD (1990):** Macroinvertebrate responses along a complex stream environmental gradient. - Regulated Rivers: Research & Management 5: 365-374.
- VOELZ, N.J. & J.V. WARD (1991):** Biotic responses along the recovery gradient of a regulated stream. - Can. J. Fish. Aquat. Sci. 48: 2477-2490.
- WARINGER, J.A. (1992):** The drifting of invertebrates and particulate organic matter in an Austrian mountain brook. - Freshw. Biol. 27: 367-378.
- WEBB, B.W. & D.E. WALLING (1992):** Temporal variability in the impact of river regulation on thermal regime and some biological implication. - Freshw. Biol. 29: 167-182.

- WEINZIERL, A.** (1992): Steinfliegen (Plecoptera) und Köcherfliegen (Trichoptera) von der Thorau, Chiemgauer Alpen (Bayern). [Stoneflies (Plecoptera) and caddisflies (Trichoptera) from the stream Thorau, Chiemgau Alps (Bavaria)]. - Lauterbornia 10: 61-71.
- WHILES, M.R. & J.B. WALLACE** (1992): First-year benthic recovery of a headwater stream following a 3-year insecticide-induced disturbance. - Freshw. Biol. 28: 81-91.
- WHIPPLE, A.V. & W.A. DUNON** (1992): Amelioration of the toxicity of H⁺ to larval stoneflies by metals found in coal mine effluent. - Arch. Environ. Contam. Toxic 24: 194-200.
- WILLIAMS, D.D., J.A. BARNES & P.C. BEACH** (1992): The effects of prey profitability and habitat complexity on the foraging success and growth of stonefly (Plecoptera) nymphs. - Freshw. Biol. 29: 107-117.
- WINKLER, G.** (1991): Debris dams and retention in a low order stream (a backwater of Oberer Seebach - Ritrodat-Lunz study area, Austria). - Verh. Internat. Verein. Limnol. 24: 1917-1920.
- WRIGHT, M. & M.M. WHITE** (1992): Biochemical systematics of the North American *Pteronarcys* (Pteronarcyidae, Plecoptera). - Biochem. Systm. Ecol. 20: 515-521.
- YANG, C. & D. YANG** (1990): New and little-known species of Plecoptera from Guizhou Province (I). - Guizhou Science 8: 1-4.
- YANG, D. & J. YANG** (1991): One new species of the genus *Furcaperla* from Jiangxi (Plecoptera: Perlidae). - Acta Agricult. Univ. Jiangxiensis 13: 16-18.
- YANG, D. & J. YANG** (1991): New species of Plecoptera from Hubei. - J. Hubei University (Natural Science) 13: 369-372; Chinese, Engl. summary.
- YANG, J. & D. YANG** (1991): One new species of *Rhopalopsole* from Zhejiang. - J. Zhejiang For. Coll. 8:78-79.
- YOUNG, J.O.** (1992): The feeding biology of the immigrant triclad *Phagocata woodworthi* in Loch Ness, Scotland. - J. Zool. (London) 227: 503-508.

ZHILTZOVA, L.A. & V.A. TESLENKO (1992): Description of *Levanidovia mirabilis* gen. et sp.n. and identification tables to larvae of genera of Perlodinae (Plecoptera, Perlodidae) of the Far East. - pp. 5-14 in: Systematics and ecology of river organisms (I. M. LEVANIDOVA & E.A. MAKARCHENKO, eds; Academy of Sciences, Vladivostok); (Russian).

ZHILTZOVA, L.A. (1989): A new and little known species of stoneflies (Plecoptera: Nemouridae, Capniidae and Leuctridae) of the fauna of the USSR. - Ent. Obozr. 68: 582-586 (in Russian) [English translation In: Ent. Review 63: 50-55].

ZWICK, P. (1992): Growth and emergence of *Leuctra prima* (Plecoptera): Habitat - species interactions. - Verh. Internat. Verein. Limnol. 24: 2886-2890 (1991).

ZWICK, P. (1992): Stream habitat fragmentation - a threat to biodiversity. - Biodiversity and Conservation 1: 80-97.

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