

coastal area (Plecoptera: Leuctridae). – Entomologia Generalis 6 (2/4): 217-223. Stuttgart.

MÜLLER, K., H. MENDEL, M. DAHL & A. MÜLLER-HAECKEL (1976): Biotopwahl und Colonization Cycle von Plecopteren in einem subarktischen Gewässersystem. – Entomologisk Tidsskrift 97: 1-6. Oslo.

ZWICK, P. & H. MENDEL (1989): Notes on Plecoptera (19). *Isoperla lugens* (Klapalek, 1923) replaces *I. alpicola* Brinck, 1949.- Aquatic Insects 11(2):72,1989.Lisse.



A new on-line journal, *Illiesia, International Journal of Stonefly Research* is being published by Mississippi College, Clinton, Mississippi, USA and the Slovenian Museum of Natural History. The journal publishes papers dealing with any area of plecopteran research. The Journal is published on the World Wide Webb and it is freely available to all individuals and institutions, and provides an alternative to excessively priced scientific journals. Before a paper is accepted for publication on the internet, it is subjected to rigorous peer review under the direction of the Advisory Board. Editors are Professors Ignac Sivec and Bill P. Stark. The Advisory Board includes Professors B. Kondratieff, S. Szczytko, K. Stewart, R. Baumann, C. R. Nelson, W. Graf, J. Brittain, and T. Shimizu. Any questions can be directed to illiesia@pms-lj.si

The first issues of the journal have been posted on the internet at <http://www2.pms-lj.si/illiesia>. The following paper has been published in Volume 1: 2005:

“New species of *Tyloperla* (Plecoptera: Perlidae) from Vietnam and Thailand” by Bill P. Stark and Ignac Sivec (*Illiesia*/ 2005 1(1): 1-7, 25 January 2005); “*Cryptoperla dui*, sp. n., a new stonefly from South China (Plecoptera: Peltoperlidae)” by Ignac Sivec (*Illiesia* 2005 1(2): 1-2, 6 January 2005; and “Larvae of the winter stonefly genus *Allocapnia* (Plecoptera: Capniidae) in Mississippi, USA” by Bill P. Stark & Joe W. Lacey (*Illiesia* 2005 1(3):1-11, 7 March 2005). “Life history of the stonefly

Isogenoides zionensis (Plecoptera: Perlodidae) from the San Miguel River, Colorado” by John B. Sandberg & Kenneth W. Stewart (*Illiesia* 2005 1(4):1-12); “A new species of *Notoperla* (Plecoptera: Gripopterygidae) from Chile,” Ian McLellan, Maritza Mercado & Simon Elliott (*Illiesia*/ 2005 1(5):1-7 (14 April 2005).

RECENT PLECOPTERA LITERATURE (CALENDAR YEAR 2004 AND EARLIER. Papers made available after April 2005 will be included in the next issue). **If papers were missed, please bring these to the attention of the Managing Editor.**

Aagaard, K., J. O Solem, T. Bongard and O. Hanssen. 2004. Studies of aquatic insects in the Atna River 1987-2002. *Hydrobiologia* 521: 87-105.

Baker, D. 2004. Creating a report card for stream quality using volunteer-collected data. *Transactions of the Illinois State Academy of Science* 97: 33-34. (96th Annual Meeting of the Illinois State Academy of Science, Charleston, Illinois, USA April 01-02, 2004).

Bauer, J., S. Schneider, F. Foeckler, O. Deichner, R. Lehmann, B. Kifinger, M. Hubmann, E. Künz, C. Moritz and T. Ritzenfeld. 2004. Makrozoobenthos-Gewässertypologie südbayerischer Fließgewässer - Nachtrag zum Tagungsbericht 2002, Braunschweig. [Macrozoobenthos-typology of south Bavarian running waters - addendum to Tagungsbericht 2002, Braunschweig]. *Deutsche Gesellschaft für Limnologie (Tagungsbericht 2003, Köln) I*: 62-67.

Beketov, M. A. 2004. Stoneflies of southwestern Siberia, Russia, with descriptions of the larvae of *Isoperla kozlovi* Zhiltzova 1972 (Plecoptera). *Opuscula Zoologica Fluminensia* 218: 1-8.

Benstead, J. and C. M. Pringle. 2004. Deforestation alters the resource base and biomass of endemic stream insects in eastern Madagascar. *Freshwater Biology* 49: 490-501.

Berra, E., M. Forcella, R. Giacchini, L. Marziali, B. Rossaro and P. Parenti. 2004. Evaluation of enzyme biomarkers in freshwater invertebrates from Taro and Ticino River, Italy. *Annales de Limnologie-International Journal of Limnology* 40: 169-180.

Bierwirth, J. and M. Schirmer. 2004. Vergleichende Untersuchung der Makroinvertebratenbesiedlung eines neu angelegten Fließgewässerabschnittes mit Sohlgleite gegenüber Referenzstandorten am

Wümme-Nordarm bei Bremen. [Comparative study of the colonisation with macro-invertebrates of a newly established section of stream with resole-slide, in comparison with reference sites on the northern branch of river Wümme near Bremen]. Deutsche Gesellschaft für Limnologie (Tagungsbericht 2003, Köln) I: 159-162.

Bispo, P. C. and C. G. Froehlich. 2004. The first records of *Kempnyia* (Plecoptera: Perlidae) from Central Brazil, with descriptions of new species. *Zootaxa* 530: 1-7.

Bispo, P.C. and C. G. Froehlich. 2004. *Anacroneuria* (Plecoptera: Perlidae) from Serra da Mesa, Northern Goiás State, Brazil, with descriptions of new species. *Aquatic Insects* 26(3-4): 191-197.

Bispo, P.C. and C.G. Froehlich. 2004. Perlidae (Plecoptera) from Intervales State Park, São Paulo State, Southeastern Brazil, with descriptions of new species. *Aquatic Insects* 26(2): 97-113.

Black, R. W., M. D. Munn and R. W. Plotnikoff. 2004. Using macroinvertebrates to identify biota-land cover optima at multiple scales in the Pacific Northwest, USA. *Journal of the North American Benthological Society* 23: 340-362

Boehme, D. 2004. Rote Liste der Eintags- und Steinfliegen (Ephemeroptera, Plecoptera) des Landes Sachsen-Anhalt [Red list of the mayflies and stoneflies (Ephemeroptera, Plecoptera) of Saxony Anhalt]. – pp. 198-203 in: Rote Liste Sachsen Anhalt, Berichte des Landeamtes für Umweltschutz Sachsen-Anhalt 39, 432 pp.

Bouchard, J. and C. Bouchard-Madrelle. 2004. Zoological diversity and pollution in streams of the Haut-Jura (France). *Bulletin de la Societe Zoologique de France*. 128: 201-226.

Braasch, D. and T. Berger. 2003. Rote Liste und Artenliste der Steinfliegen (Plecoptera) des Landes Brandenburg. [Red list and species list of the stoneflies (Plecoptera) of the State Brandenburg]. *Naturschutz und Landschaftspflege in Brandenburg*, supplement to Issue 4, 2003, 28 pp.

Brauns, M., X.-F. Garcia, M. Pusch and N. Walz. 2004. Beitrag zur Litoralfauna der großen Seen in Brandenburg (Contribution to the littoral fauna of large lakes in Brandenburg (Germany)). *Lauterbornia* 49: 43-72.

Briers, R. A., J. H. R. Gee, H. M. Cariss and R. Geoghegan. 2004. Inter-population dispersal by adult stoneflies detected by stable isotope enrichment. *Freshwater Biology* 49: 425-431.

Bundgaard, P. and P. Aagaard. 2003. The stoneflies *Perlodes microcephala* and *Protonemura meyeri* in the river Stora upstream Holstebro. *Flora og Fauna* 10: 23-24.

Bünig, J. 1996. Germ cell cluster variety creates diversity of ovary types in insects. *Verhandlungen der Deutschen Zoologischen Gesellschaft* 89: 123-137.

Camargo, J. A., A. Alonso, M. de la Puente. 2004. Multimetric assessment of nutrient enrichment in impounded rivers based on benthic macroinvertebrates. *Environmental Monitoring and Assessment* 96: 233-249.

Camperi, A. R., V. Ferretti, A. C. Cicchino, G. E. Soave and C. A. Darrieu. 2004. Diet composition of the white-browed blackbird (*Sturnella superciliaris*) at Buenos Aires Province, Argentina. *Ornitología Neotropical* 15(3): 299-306.

Carlisle, D. M. and W. H. Clements. 2003. Growth and secondary production of aquatic insects along a gradient of Zn contamination in Rocky Mountain streams. *Journal of the North American Benthological Society* 22: 582-597.

Cattaneo, A., L. Cloutier and G. Méthot. 2004. The response of invertebrates in moss and in gravel to water level fluctuations in a Québec stream. *Archiv für Hydrobiologie* 161: 21-43.

Chadwick, M. A. and A. D. Huryn. 2005. Response of stream macroinvertebrate production to atmospheric nitrogen deposition and channel drying. *Limnology and Oceanography* 50: 228-236.

Cherchesova S. K. and L. A. Zhiltzova. 2003. The stonefly fauna (Plecoptera) of North Ossetia and its zoogeographical characteristics. *Entomological Review* 82(3): 566-570. In Russian.

Clements, W. H. 2004. Small-scale experiments support causal relationships between metal contamination and macroinvertebrate community responses. *Ecological Applications* 14: 954-967.

Collier, K. J. and J. M. Quinn. 2003. Land-use influences macroinvertebrate community response following a pulse disturbance. *Freshwater Biology* 48: 1462-1481.

Connolly, N. M., M. R. Crossland and R. G. Pearson. 2004. Effect of low dissolved oxygen on survival, emergence, and drift of tropical stream

macroinvertebrates. Journal of the North American Benthological Society 23: 251-270.

Dahl, J. and R. K. Johnson 2004. A multimetric macroinvertebrate index for detecting organic pollution of streams in southern Sweden. Archiv für Hydrobiologie 160: 487-513.

Dangles, O., B. Malmqvist and H. Laudon. 2004. Naturally acid freshwater ecosystems are diverse and functional: evidence from boreal streams. Oikos 104: 149-155.

Death, R. G. and M. K. Joy. 2004. Invertebrate community structure in streams of the Manawatu-Wanganui region, New Zealand: the roles of catchment versus reach scale influences. Freshwater Biology 49: 982-997.

Derka, T., J. M. Tierno de Figueroa and I. Krno. 2004. The life cycle, feeding and production of *Isoptena serricornis* (Pictet, 1841) (Plecoptera: Chloroperlidae). International Review of Hydrobiology 89: 165-174.

Devyatkov, V. I. 2004. *Yoraperla altaica*, a new species of Peltoperlidae (Plecoptera) from East Kazakhstan (Central Asia). Aquatic Insects 25: 269-276.

Dunn, H. 2004. Defining the ecological values of rivers: the views of Australian river scientists and managers. Aquatic Conservation-Marine and Freshwater Ecosystems 14: 413-433.

Earle, J. I. 2004. Stonefly (Plecoptera) species of an acidic intermittent stream in southwestern Pennsylvania, USA, comparison with a circumneutral perennial stream and consideration of survival strategies. Archiv für Hydrobiologie 159: 97-114.

Earle, J. I. 2004. New records and clarification of the Pennsylvania stonefly (Plecoptera) fauna, with an annotated list of the stoneflies of Pennsylvania, U.S.A. Entomological News 115: 191-200.

Elexova, E. and D. Némethova. 2003. The effect of abiotic environmental variables on the Danube macrozoobenthic communities. Limnologica 33: 340-354.

Elliott, J. M. 2004. Prey switching in four species of carnivorous stoneflies. Freshwater Biology 49: 709-720.

Feck, J. and R. O. Hall. 2004. Response of American dippers (*Cinclus mexicanus*) to variation in stream water quality. Freshwater Biology 49: 1123-1137.

Fenoglio, S., T. Bo and M. Cucco. 2004. Small-scale macroinvertebrate distribution in a riffle of a neotropical rainforest stream (Rio Bartola, Nicaragua). Caribbean Journal of Science 40(2): 253-257.

Fochetti R., V. Ketmaier, M. Oliverio and J. M. Tierno de Figueroa. 2004. Biochemical systematics, biogeography and evolutionary rates in species of the Mediterranean genus *Tyrrhenoleuctra* (Plecoptera, Leuctridae). Insect Systematics and Evolution 35: 299-306.

Freeman, P. L. and M. S. Schorr. 2004. Influence of watershed urbanization on fine sediment and macroinvertebrate assemblage characteristics in Tennessee Ridge and Valley streams. Journal of Freshwater Ecology 19: 353-362.

Freitag, H. 2004. Composition and longitudinal patterns of aquatic insect emergence in small rivers of Palawan Island, the Philippines. International Review of Hydrobiology 89: 375-391.

Freitag, H. 2004. Adaptations of an emergence trap for use in tropical streams. International Review of Hydrobiology 89: 363-374.

Froehlich, C. G. *Anacroneuria* (Plecoptera: Perlidae) from Boraceia Biological Station, Sao Paulo State, Brazil. Aquatic Insects 26: 53-63.

Frutiger, A. 2004. Ecological impacts of hydroelectric power production on the River Ticino. Part 2: Effects on the larval development of the dominant benthic macroinvertebrate (*Allogamus auricollis*, Trichoptera). Archiv für Hydrobiologie 159: 57-75.

Frydrychova, R., P. Grossmann, P. Trubac, M. Vitkova and F. E. Marec. 2004. Phylogenetic distribution of TTAGG telomeric repeats in insects. Genome 47: 163-178.

Gage, M. S., S. A. Paradise and J. Christopher. 2004. Effects of land use and disturbance on benthic insects in headwater streams draining small watersheds north of Charlotte, North Carolina. Southeastern Naturalist 3: 345-358.

Grandjean, F., J. Momon and M. Bramard. 2004. Biological water quality assessment of the white-clawed crayfish habitat based on macroinvertebrate communities: Usefulness for its conservation. Bulletin Français de la Pêche

et de la Pisciculture 370-371: 115-125.

Grubbs, S. A. 2004. Studies on Indiana stoneflies (Plecoptera), with an annotated and revised state checklist. Proceedings of Entomological Society of Washington 106: 865-876.

Grubbs, S. A. 2003. Notes on the distribution of *Leuctra carolinensis* and *L. variabilis* (Plecoptera: Leuctridae) in Maryland, with amended and new state records. Entomological News 114: 51-53.

Grubbs, S. A. and B. P. Stark. 2004. *Acroneuria covelli* (Plecoptera: Perlidae), a new stonefly species from Eastern North America. Proceedings of the Entomological Society of Washington 106: 797-800.

Haggerty, S. M., D. P. Batzer and C. R. Jackson. 2004. Macroinvertebrate response to logging in coastal headwater streams of Washington, U.S.A. Canadian Journal of Fisheries and Aquatic Sciences 61: 529-537.

Hagner-Holler, S., A. Schoen, W. Axel, J. H. Marden, R. Rupprecht, H. Decker and T. Burmester. 2004. A respiratory hemocyanin from an insect. Proceedings of the National Academy of Sciences of the United States of America 101: 871-874.

Haszprunar, G. 2004. Neues zur Phylogenie der Insekten. [News on the phylogeny of insects]. Nachrichtenblatt der Bayerischen Entomologen 53: 78-81.

Hegelbach, J. 2004. Zunahme des Brutbestands der Wasseramsel *Cinclus cinclus* am Künsbacher Bach von 1987 bis 2002 (Increasing breeding pair numbers of Dippers *Cinclus cinclus* from 1987 to 2002 at the Künsnacht brook near Zurich, Switzerland). Ornithologischer Beobachter 101: 99-108.

Heimdal, D. P., R. E. DeWalt and T. F. Wilton. 2004. Annotated checklist of the stoneflies (Plecoptera) of Iowa. Proceedings of the Entomological Society of Washington 106: 761-778.

Hess, M. and U. Heckes. 2004. Zur Wasserinsektenfauna der Alpen-Kleinseen im Werdenfelser Land bei Mittenwald/Oberbayern (A contribution to the fauna of waterinsects of the small alpine lakes in the "Werdenfelser Land" near Mittenwald/Upper Bavaria). Lauterbornia 50: 39-57.

Hoffsten, P. O. 2004. Site-occupancy in relation to flight-morphology in caddisflies. Freshwater Biology. 49: 810- 817.

Hohmann, M. 2004. Nachweise von *Brachyptera braueri* (Plecoptera, Taeniopterygidae) in der Mulde/Elbe, Sachsen und Sachsen-Anhalt (Proofs of *Brachyptera braueri* (Plecoptera, Taeniopterygidae) in the river Mulde/Elbe, Saxony and Saxony-Anhalt/Germany). Lauterbornia 50: 75-78.

Hohmann, M. 2004. Eintagsfliegen-Funde (Ephemeroptera) aus der unteren Mulde und der Schwarzen Elster, Sachsen-Anhalt (Mayfly finds (Ephemeroptera) from lower river Mulde and river Schwarze Elster, Saxony-Anhalt). Entomologische Mitteilungen Sachsen-Anhalt, Entomologen-Vereinigung Sachsen-Anhalt 12(1): 40-48, figures 1, 2 outside text.

Jacobsen, D., S. Rostgaard and J. J. Vasconez. 2003. Are macroinvertebrates in high altitude streams affected by oxygen deficiency? Freshwater Biology 48: 2025-2032.

Jacobus, L. M. and W. P. McCafferty. 2004. Contribution to the morphology and descriptive biology of *Caurinella idahoensis* (Ephemeroptera : Ephemerellidae). Western North American Naturalist 64: 101-108.

Joost, W. 2002. Steinfliegen (Plecoptera). [Stoneflies (Plecoptera)] pp. 260-262 in: Görner, M. (ed.), Thüringer Tierwelt, Arbeitsgruppe Artenschutz Thüringen e.V., Jena (Thüringen Journal) 364 pp.

Kaller, M. D. and K. J. Hartman. 2004. Evidence of a threshold level of fine sediment accumulation for altering benthic macroinvertebrate communities. Hydrobiologia 518: 95-104.

Kashian, D. R., B. A. Prusha and W. H. Clements. 2004. Influence of total organic carbon and UV-B radiation on zinc toxicity and bioaccumulation in aquatic communities. Environmental Science & Technology. 38(23): 6371-6376.

Kauwe, J. S. K., D. K. Shiozawa and R. P. Evans. 2004. Phylogeographic and nested clade analysis of the stonefly *Pteronarcys californica* (Plecoptera: Pteronarcyidae) in western USA. Journal of the North American Benthological Society 23: 824-838.

Kefford, B. J., A. Dalton, C. G. Palmer and D. Nugegoda. 2004. The salinity tolerance of eggs and hatchlings of selected aquatic macroinvertebrates in south-east Australia and South Africa. Hydrobiologia 517: 179-192.

Knispel, S. and E. Castella. 2003. Disruption of a longitudinal pattern in environmental factors and benthic fauna by a glacial tributary. Freshwater Biology 48: 604-618.

Kondratieff, B. C. 2004. Perlodidae – Perlodinae (the springflies). Pages 149-180. *In*: Stoneflies (Plecoptera) of Eastern North America. Volume II. Chloroperlidae, Perlidae, and Perlodidae (Perlodinae). B. P. Stark and B. J. Armitage (editors). Bulletin of the Ohio Biological Survey 14.

Kondratieff, B. C. and R. W. Baumann. 2003. Confirmation of the pygmy snowfly *Allocapnia pygmaea* (Burmeister) (Plecoptera: Capniidae), from North Dakota, United States. Entomological News 114: 289-290.

Kondratieff, B. C. and R. W. Baumann. 2004. A record of the arctic forestfly *Nemoura arctica* (Plecoptera: Nemouridae) from the Contiguous United States. Entomological News 115: 113-115.

Kondratieff, B. C. and R. F. Kirchner. 2004. *Alloperla lenati*, a new species of stonefly from North Carolina (Plecoptera: Chloroperlidae) and two state records (Plecoptera: Perlodidae). Annals of the Entomological Society of America 97: 361-363.

Kondratieff, B. C. and R. E. Zuellig. 2004. A new species of *Zealeuctra* (Plecoptera: Leuctridae) and confirmation of *Hydroperla fugitans* from Texas (Plecoptera: Perlodidae). Proceedings of the Entomological Society of Washington 106: 840-843.

Kondratieff, B. C., P. A. Opler, M. C. Garhart, J. P. Schmidt. 2004. Insects of western North America. 3. Survey of selected insect taxa of Fort Sill, Comanche County, Oklahoma. Part 2. Dragonflies (Odonata), stoneflies (Plecoptera) and selected moths (Lepidoptera). C. P. Gillette Museum of Arthropod Diversity, Colorado State University, Fort Collins, Colorado: 1-92.

Kovács, T. and A. Weinzierl 2003. The larva and life history of *Rhabdiopteryx hamulata* Klapálek, 1902 (Plecoptera: Taeniopterygidae). Folia entomologica Hungarica 64: 63-68.

Krno, I. 2003. Stoneflies (Plecoptera) of the Gidra River basin (Malé Karpaty Mts., Slovakia). Acta Zoologica Universitatis Comenianae 45: 53-67.

Krno, I. 2004. Distribution and phylogenetic relationships of the genus *Rhabdiopteryx* (Plecoptera, Taeniopterygidae) in Slovakia. Biologia (Bratislava) 59: 181-90.

Krno, I. and F. Šporka. 2003. Influence of environmental factors on production of stoneflies (Plecoptera) from the Hinkov brook (High Tatras, Slovakia). Ecohydrology and Hydrobiology 3(4): 409-416.

Labat, D., O. Delzons, A. Thomas, S. Brosse and V. Marie. 2004. Evolution sur 40 ans du peuplement en Ephemeres d'une petite riviere des Prepyrenees, le Volp: resultats preliminaires (Changes in the mayfly (Ephemeroptera) communities of a small river in the Prepyrenees, the Volp, over a 40 years period: preliminary results). Ephemera 4: 15-34.

Langmeier, S. 2003. Jahreszeitliche Änderungen der Steinfliegenlarvenpopulationen (Insecta, Plecoptera) zweier Salzburger Bäche (Kötschachbach, Bad Gastein und Grabenbach, Henndorf). [Seasonal changes of populations of larval stoneflies (Insecta, Plecoptera) in two streams in Salzburg (Kötschachbach, Bad Gastein und Grabenbach, Henndorf)] Magister Thesis, University of Salzburg. 53 pp.

Lieske, R. 2004. Variable Lebenszyklen bei der Steinfliege *Nemurella pictetii* - was sind die möglichen Ursachen? [Variable life cycles of the stonefly, *Nemurella pictetii* - which are the possible causes?]. Deutsche Gesellschaft für Limnologie (Tagungsbericht2003, Köln) II: 493-495.

Lopez-Rodriguez, M. J., J. M. Luzon-Ortega, J. A. Palomino-Morales and J. M. Tierno de Figueroa. 2004. Contribution to the knowledge of the imaginal biology of *Leuctra geniculata* (Stephens, 1836). Boletín de la Sociedad Entomológica Aragonesa 34: 167-170.

Lüderitz, V., R. Jüpner, S. Müller and C. K. Feld. 2004. Renaturalization of streams and rivers - the special importance of integrated ecological methods in measurement of success. An example from Saxony-Anhalt (Germany). Limnologia 34: 249-263.

Macneale, K.H., B. L. Peckarsky and G. E. Likens. 2004. Contradictory results from different methods for measuring direction of insect flight. Freshwater Biology 49: 1260-1268.

Mantel, S. M. K., M. Salas and D. Dudgeon. 2004. Foodweb structure in a tropical Aian forest stream. Journal of the North American Benthological Society 23: 728-755.

Marden, J. H. 2003. The surface-skimming hypothesis for the evolution of insect flight. Acta Zoologica Cracoviensia 46: 73-84.

- Maret, T. R., D. J. Cain, D. E. MacCoy and T. M. Short. 2003. Response of benthic invertebrate assemblages to metal exposure and bioaccumulation associated with hard-rock mining in northwestern streams, USA. *Journal of the North American Benthological Society* 22: 598-620.
- Marshall, M. C. and R. O. Hall Jr. 2004. Hyporheic invertebrates affect N cycling and respiration in stream sediment microcosms. *Journal of the North American Benthological Society* 23: 416-428.
- Marten, M. 2004. Biologische Veränderungen im Rhein – Ergebnisse des Trendbiomonitoring 1995-2002. [Biological changes in the Rhine – results of the trend-biomonitoring 1995-2002]. Landesanstalt für Umweltschutz Baden-Württemberg, Karlsruhe 45 pp.
- Martins-Neto, R. G., O. Florencio and R. N. Melchor. 2003. The Triassic insect fauna from South America (Argentina, Brazil and Chile): a checklist (except Blattoptera and Coleoptera) and descriptions of new taxa. *Acta Zoologica Cracoviensia* 46: 229-256.
- Melody, K. J. and J. S. Richardson, J. S. 2004. Responses of invertebrates and algae of a boreal coniferous forest stream to experimental manipulation of leaf litter inputs and shading. *Hydrobiologia* 519: 197-206.
- Mermighis, A. and A. Marcopoulou-Diacantoni. 2004. La faune à rudistes, porifères et scléactiniaires du Crétacé supérieur du mont Ptoon (Béotie septentrionale, Grèce continentale) (The fauna with rudists, porifers and corals of upper Cretaceous of mount Ptoon (Northern Beotia, central Greece)). *Revue de Paleobiologie*. 23(1): 313-353.
- Meyer, E. I. and R. Poepperl. 2004. Assessing food-web structure, matter fluxes, and system attributes of a Central European mountain stream by performing mass-balanced network analysis. *Canadian Journal of Fisheries and Aquatic Sciences* 61: 1565-1581.
- Meyer, A., E. I. Meyer and C. Meyer. 2003. Lotic communities of two small temporary karstic stream systems (East Westphalia, Germany) along a longitudinal gradient of hydrological intermittency. *Limnologia* 33: 271-279.
- Mezzanotte, E. and B. Sambugar. 2004. Contributo alla conoscenza della fauna delle sorgenti. – pp. 283-292 in: Latella, L.: Il Monte Pastello. Memorie del Museo Civico di Storia Naturale di Verona, 2. Serie, Monografie Naturalistiche 1, 337 pp. plus 3 maps in a book pocket

- Miller, S. W., Q. D. Skinner and K. J. Reddy. 2004. Stream assessments using biotic indices: Responses to physicochemical variables. *Journal of the American Water Resources* 40: 1173-1187.
- Miserendino, M. L. 2004. Effects of landscape and desertification on the macroinvertebrate assemblages of rivers in Andean Patagonia. *Archiv für Hydrobiologie* 159: 185-209.
- Musslewhite, J. 2004. Effects of alternatives to clearcutting on invertebrate and organic detritus transport from headwaters in southeastern Alaska. General Technical Report, Pacific Northwest Research Station, USDA Forest Service 602: 1-28.
- Novokshonov, V. G. and D. S. Aristov. 2004. New taxa of hypoperlids (Insecta: Hypoperlida) from the Upper Permian of the Arkhangelsk Region. *Paleontologicheskii Zhurnal* (1): 56-61.
- Nelson, C. R. 2004. Systematics of the *Capnia californica* species group, including a morphological phylogeny, zoogeography, and description of *Capnia kersti*, new species (Plecoptera: Capniidae). *Annals of the Entomological Society of America* 97: 97-104.
- Olifiers, M. H., L. F. M. Dorville, J. L. Nessimian and N. Hamada. 2004. A key to Brazilian genera of Plecoptera (Insecta) based on nymphs. *Zootaxa* 651: 1-15.
- Olsen, D. A. and C. R. Townsend 2003. Hyporheic community composition in a gravel-bed stream: influence of vertical hydrological exchange, sediment structure and physicochemistry. *Freshwater Biology* 48: 1363-1378.
- Pardo, I. and P. Zwick. 2004. New contributions to the knowledge of Mediterranean stoneflies (Plecoptera). *Aquatic Insects* 26: 131-137.
- Pennuto, C. M., C. L. Wooster-Brown and C. A. Belisle. 2002. Infestation intensity and prevalence of an ectosymbiotic midge under variable environmental and host conditions. *Canadian Journal of Zoology* 80: 2061-2071.
- Petersen, I., Z. Masters, A. G. Hildrew and S. J. Ormerod. 2004. Dispersal of adult aquatic insects in catchments of differing land use. *Journal of Applied Ecology* 41: 934-950.
- Quinn, J. M., I. K. G. Boothroyd and B. J. Smith. 2004. Riparian buffers

mitigate effects of pine plantation logging on New Zealand streams 2. Invertebrate communities. *Forest Ecology & Management* 191(1-3): 129-146.

Rasnitsyn, A. P. 2003. On the skimming hypothesis of the origin of insect flight. *Acta Zoologica Cracoviensia* 46: 85-88.

Richardson, J. S., C. R. Shaughnessy and P. G. Harrison. 2004. Litter breakdown and invertebrate association with three types of leaves in a temperate rainforest stream. *Archiv für Hydrobiologie* 159: 309-325.

Rüegg, J. and C. T. Robinson. 2004. Comparison of macroinvertebrate assemblages of permanent and temporary streams in an Alpine flood plain, Switzerland. *Archiv für Hydrobiologie* 161: 489-510.

Sandberg, J. B. and K. W. Stewart. 2004. Capacity for extended egg diapause in six *Isogenoides* Klapalek species (Plecoptera: Perlodidae). *Transactions of the American Entomological Society* 130: 411-423.

Sinitshenkova, N. D. 2003. Main ecological events in aquatic insects history. *Acta Zoologica Cracoviensia* 46: 381-392.

Sinitshenkova, N. D. 2004. New stoneflies of the family Palaeonemouridae from the Upper Permian of Udmurtiya and the Orenburg region (Insecta : Perlida = Plecoptera). *Paleontological Journal* 38 (Suppl. 2): S164-S172.

Sivec, I. and B. Horvat. 2004. Insects in the running waters of the Alpine world. – pp. 94-99 in: *Nature of Slovenia The Alps*. Slovenian Museum of Natural History, exhibition Catalogue, Ljubljana 144 pp.

Smith, H., P. J. Wood and J. Gunn. 2003. The influence of habitat structure and flow permanence on invertebrate communities in karst spring system. *Hydrobiologia* 510: 53-66.

Stark, B. P. 2004. New species and records of Andean *Anacroneuria* (Insecta, Plecoptera, Perlidae). *Spixiana* 27: 67-81.

Stark, B. P. 2004. Perlidae (the stones). Pages 61-148. *In: Stoneflies (Plecoptera) of Eastern North America. Volume II. Chloroperlidae, Perlidae, and Perlodidae (Perlodinae)*. B. P. Stark and B. J. Armitage (editors). *Bulletin of the Ohio Biological Survey* 14.

Stark, B.P. and B. J. Armitage (Eds). 2004. The Stoneflies (Plecoptera) of Eastern North America. Volume II. Chloroperlidae, Perlidae, and Perlodidae (Perlodinae). *Ohio Biological Survey Bulletin New Series* 14: I-VI, 1-194.

Stark, B. P. and R. W. Baumann. 2004. The winter stonefly genus *Paracapnia* (Plecoptera: Capniidae). *Mongraphs of the Western North American Naturalist* 2: 96-108.

Stark, B. P. and D. L. Gustafson. 2004. New species and records of *Soliperla* Ricker, 1952 from western North America (Insecta, Plecoptera, Peltoperlidae). *Spixiana* 27: 97-105.

Stark, B. P. and M. B. Hicks. 2003. Confirmation of *Prostoia completa* and *Shipsa rotunda* (Plecoptera: Nemouridae) in Mississippi, USA. *Entomological News* 114: 160-163.

Stark, B. P. and B. C. Kondratieff. 2003. *Inconeuria chimu*, a new stonefly from Peru (Plecoptera: Perlidae). *Pan-Pacific Entomologist* 79: 182-184.

Stark, B. P. and B. C. Kondratieff. 2004. *Pictetiella lechleitneri* (Plecoptera: Perlodidae), a new species from Mount Rainier National Park, Washington, U.S.A. *Proceedings of the Entomological Society of Washington* 106: 747-750.

Stark, B. P. and B. C. Kondratieff. 2004. *Acroneuria kirchneri* (Plecoptera: Perlidae), a new species from eastern North America. *Annals of the Entomological Society of America* 97: 393-396.

Stark, B. P. and B. C. Kondratieff. 2004. *Acroneuria yuchi* (Plecoptera: Perlidae), a new stonefly from Virginia, U.S.A. *Jeffersoniana* 13: 1-6.

Stark, B. P. and B. C. Kondratieff. 2004. *Anacroneuria* from Mexico and upper Mesoamerica (Plecoptera: Perlidae). *Mongraphs of the Western North American Naturalist* 2: 1-64.

Stead, T. K., J. M. Schmid-Araya and A. G. Hildrew. 2004. The contribution of subsurface invertebrates to benthic density and biomass in a gravel stream. *Archiv für Hydrobiologie* 160: 171-191.

Stephens, W. W and J. L. Farris. 2004. Instream community assessment of aquaculture effluents. *Aquaculture* 231: 149-162.

Stewart, K. W. and J. B. Sandberg. 2004. Descriptions of the nymph and drumming calls of *Megaleuctra complicata* Claassen (Plecoptera: Leuctridae); evolution of drumming in Leuctridae. *Aquatic Insects* 26: 123-129.

Surdick, R. F. 2004. Chloroperlidae (the sallflies). Pages 1-60. *In: Stoneflies*

(Plecoptera) of Eastern North America. Volume II. Chloroperlidae, Perlidae, and Perlodidae (Perlodinae). B. P. Stark and B. J. Armitage (editors). Bulletin of the Ohio Biological Survey 14.

Szczytko, S. W. and K. W. Stewart. 2004. *Isoperla muir*, a new species of western Nearctic *Isoperla* and a new larval description of *Isoperla tilasqua* Szczytko and Stewart (Plecoptera: Isoperlinae). Transactions of the American Entomological Society 130: 233-243.

Taira, H. and R. B. Kuranishi. 2004. Freshwater benthic macroinvertebrates at the upper reaches of the Koito-gawa River. Journal of the Natural History Museum and Institute Chiba. Special Issue 7: 47-86.

Taniguchi, H. and M. Tokeshi. 2004. Effects of habitat complexity on benthic assemblages in a variable environment. Freshwater Biology 49: 1164-1178.

Tarter, D. C. and D. L. Chaffee. 2003. A checklist of the stoneflies (Plecoptera) of the Daniel Boone National Forest in Kentucky, USA. Entomological News 114: 224-229.

Thaler, K. 2003. Partielle Inventur der Fauna von Nordtirol: Niedere Pterygota. (Insecta: Palaeoptera, Paurometabola, Paraneoptera (p.p.)). (Fragmenta Faunistica Tirolensia - XVI) [Partial inventory of the fauna of North Tyrol: Lower Pterygota. (Insecta: Paleoptera, Paurometabola, Paraneoptera (p.p.)) (Fragmenta Faunistica Tirolensia - XVI)]. Linzer Biologische Beitrage 35(2): 785-800.

Thiere, G. and R. Schulz. 2004. Runoff simulation with particle-associated azinphosmethyl in multispecies stream microcosms: Implications for the field. Environmental Toxicology & Chemistry 23: 1984-1990.

Thiere, G. and R. Schulz. 2004. Runoff-related agricultural impact in relation to macroinvertebrate communities of the Lourens River, South Africa. Water Research 38(13): 3092-3102.

Tierno de Figueroa, J. M. and A. Sanchez-Ortega. 2004. Implications of imaginal-size over the flight period in stoneflies (Plecoptera). Annales de la Société Entomologique de France 40: 37-40.

Townsend, C. R., S. Dolédec, R. Norris, K. Peacock and C. Arbuckle. 2003. The influence of scale and geography on relationships between stream community composition and landscape variables: description and prediction. Freshwater Biology 48: 768-785.

Tuša, I. (2000): K výskytu pošvatki *Arcynopteryx compacta* (Mac Lachlan [sic!], 1872 (Plecoptera, Perlodidae) v České republice/ To the occurrence of *Arcynopteryx compacta* (Mac Lachlan [sic!], 1872 (Plecoptera, Perlodidae) in the Czech Republic. Časopis Slezského Muzea Opava (A): 91-92.

Vance-Chalcraft, H. D., D. A. Soluk and N. Ozburn. 2004. Is prey predation risk influenced more by increasing predator density or predator species richness in stream enclosures? Oecologia 139: 117-122.

Verneaux, J., V. Verneaux, A. Schmitt and C. Prouteau. 2004. Assessing biological orders of river sites and biological structures of watercourses using ecological traits of aquatic insects. Hydrobiologia 519: 39-47.

Vieira, N. K., W. H. Clements, L. S. Guevara and B. F. Jacobs. 2004. Resistance and resilience of stream insect communities to repeated hydrologic disturbances after a wildfire. Freshwater Biology 49: 1243-1259.

Vinçon, G. and I. Pardo. 2004. The stoneflies (Plecoptera, Insecta) of the northwestern Iberian Peninsula. Annales de Limnologie 40: 43-62.

Vinçon, G., I. Pardo and C. Ravizza. 2004. Une importante collection de Plécoptères (Insecta) déposée au Musée cantonal de zoologie à Lausanne. Bulletin de la Société Vaudoise de Sciences Naturelles 88(4): 449-455.

Vinçon, G. and L. A. Zhiltzova. 2004. The genus *Protonemura* in Turkey (Plecoptera, Nemouridae). Nouvelle Revue d'Entomologie (N.S.) 21(2): 171-195.

Vinson, M. R. and C. P. Hawkins. 2003. Broad-scale geographical patterns in local stream insect genera richness. Ecography 26: 751-767.

Von Der Ohe, P. C. and M. Liess. 2004. Relative sensitivity distribution of aquatic invertebrates to organic and metal compounds. Environmental Toxicology and Chemistry 23: 150-156.

Wagner, R. and H.-H. Schmidt. 2004. Yearly discharge patterns determine species abundance and community diversity: Analysis of a 25 year record from the Breitenbach. Archiv für Hydrobiologie 161: 511-540.

Weinzierl, A. 2004. Rote Liste gefährdeter Steinfliegen (Plecoptera) Bayerns. [Red list of endangered stoneflies (Plecoptera) in Bavaria].— pp. 62-64 in Bayerisches Landesamt für Umweltschutz (ed.): Rote Liste gefährdeter Tiere Bayerns. Schriftenreihe Bayerisches Landesamt für Umweltschutz 166: 384 S., Augsburg, 2003 (actually published 2004).

Weisser, J. W., J. V. Adams, R. J. Schuldt, G. A. Baldwin, D. S. Lavis, J. W. Slade and J. W. Heinrich 2003. Effects of repeated TFM applications on riffle macroinvertebrate communities in four Great Lakes tributaries. *Journal of Great Lakes Research* 29 (Suppl. 1): 552-565.

White, M. and R. W. Lichtwardt. 2004. Fungal symbionts (*Harpellales*) in Norwegian aquatic insect larvae. *Mycologia* 96: 891-910.

Wright, J. F., R. T. Clarke, R. J. M. Gunn, J. M. Winder, N. T. Kneebone and J. Davy-Bowker 2003. Response of the flora and macroinvertebrate fauna of a chalk stream site to changes in management. *Freshwater Biology* 48: 894-911.

Yang, D., W. Li, and F. Zhu. 2004. Two new species of *Rhopalopsale* (Plecoptera: Leuctridae) from China. *Entomological News* 115: 279-282.

Yoshimura, M. 2003. Relations of intraspecific variations in fecundity, clutch size, and oviposition frequency to the body size in three species of stoneflies, *Sweltsa* sp., *Isoperla aizwana*, and *Stavsolus japonicus*. *Limnology* 4: 109-112.

Yoshimura, M. 2004. Seasonal and daily flight timing of oviposition in several stonefly species (Plecoptera) in the field. *Zoological Science* 21: 189-195.

Yoshimura, M., Y. Isobe and T. Oishi. 2003. The relation among emergence date, days until first effective mating, fecundity and adult longevity in *Isoperla aizwana* and *Sweltsa* sp. (Plecoptera). *Zoological Science* 20: 471-479.

Zawal, A. 2003. The role of insects in the dispersion of water mites. *Acta Biologica Universitatis Daugavpiliensis* 3: 9-14.

Zenger, J. T. and R. W. Baumann. 2004. The Holarctic winter stonefly genus *Isocapnia*, with an emphasis on the North American fauna (Plecoptera: Capniidae). *Monographs of the Western North American Naturalist* 2: 65-95.

Zwick, P. 2004. Morphological support of the major clades of Plecoptera. *Entomologische Abhandlungen* (2003) 61(2): 128-130.

Zwick, P. 2004. Verkannte Plecoptera: ökologische Vielfalt bei Steinfliegen [Misjudged Plecoptera: ecological diversity in stoneflies]. *Mitt. Deutsche Gesellschaft allg. angew. Entomol.* 14: 223.

Zwick, P. 2004. Ein Strauß bunter Blüten der Plecopterenökologie [A bouquet of stonefly ecology]. *Fachtagung Biologische Gewässeruntersuchung; Taxonomie und Qualitätssicherung. Symposium zur Feier des 70. Geburtstages von Dr. Erik Mauch am 6. Oktober 2004 in Augsburg; Regierung von Schwaben und DGL:* 47-53.

Zwick, P. 2004. Key to the West Palaearctic genera of stoneflies (Plecoptera) in the larval stage. *Limnologica* 34: 315-348.