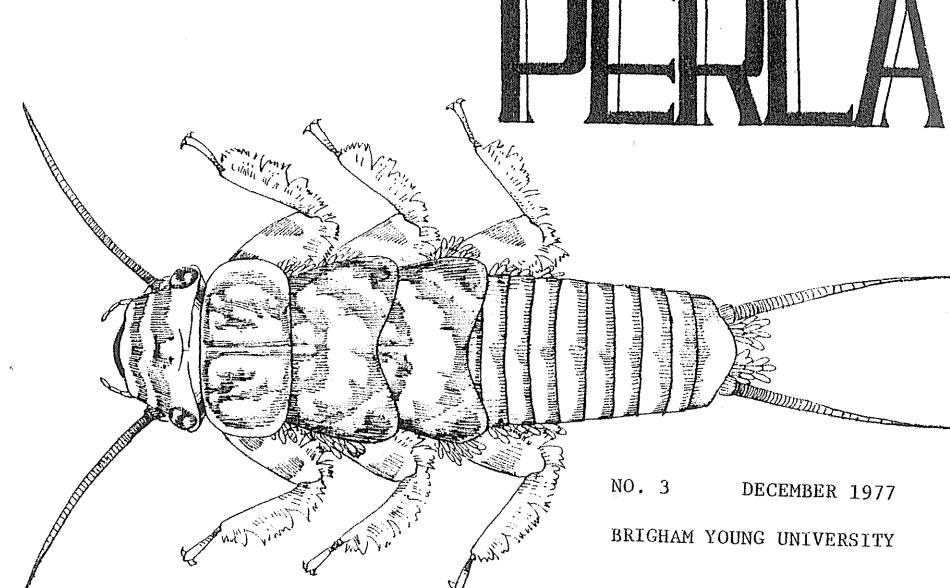


PERLA



NO. 3 DECEMBER 1977

BRIGHAM YOUNG UNIVERSITY

NOTICES

The Seventh International Symposium on Plecoptera will be held in Nara, Japan in 1980. Dr. Teizi Kawai will be the organizer and an exciting meeting is anticipated. Our Japanese colleagues have been active plecopterologists for many years and we welcome the opportunity to visit them in their "natural habitat." Details about the exact date will follow but the time will correspond with the International Congress of Limnology and/or the International Congress of Entomology.

North American colleagues, and others that are able to come, should plan to attend the annual meetings of the North American Benthological Society in Erie, Pennsylvania in April 1979. Dr. Ed Masteller is the program chairman and Dr. Ken Stewart will be serving as society president. They are planning a special session on Plecoptera which should be useful to everyone interested in the study of stoneflies. Further information will be contained in Perla 4.

PERLA

A Newsletter for Plecopteroologists

EDITORS:

Richard W. Baumann, Department of Zoology, Brigham Young University, Provo, Utah 84602

Peter Zwick, Limnologische Flussstation, Max-Planck-Institut für Limnologie, Postfach 102, BRD 6407, Schlitz, West Germany

EDITORIAL ASSISTANTS:

Rebecca F. Surdick-Pifer
Elise V. Schmidt

ACKNOWLEDGEMENT

Dr. William E. Ricker of Nanaimo, British Columbia generously contributed funds which paid for the publication of Perla 2 and part of Perla 3. We are very grateful to Bill Ricker and want all of our colleagues to know of our appreciation.

THANKS BILL

Report on the Sixth
International Symposium

by Peter Zwick

Perla 2 included an invitation to attend the 6th International Symposium on Plecoptera from J. Illies and P. Zwick of the Limnologische Flussstation des Max-Planck-Instituts für Limnologie. The symposium was held at Schlitz, Federal Republic of Germany, on August 3-6, 1977, between the meetings of the caddisfly workers at Reading, England, and the Congress of Limnology in Copenhagen, Denmark. Thirty registrants and approximately fifteen accompanying persons and visitors attended the Plecoptera Symposium. Unfortunately, a number of people who had indicated their strong interest in attending were unable to come, including almost all colleagues from eastern European countries.

Sessions were held on three days in the Knights' Hall of the ancient Vorderburg Castle in the medieval center of Schlitz. Twenty-seven papers were presented, including two that were sent by colleagues unable to attend personally. One afternoon was spent visiting the Limnologische Flussstation and its emergence traps on Breitenbach, near Schlitz. The fourth day of the Symposium was reserved for a bus tour to streams in the Rhön Mountains; the excursion was favoured by good

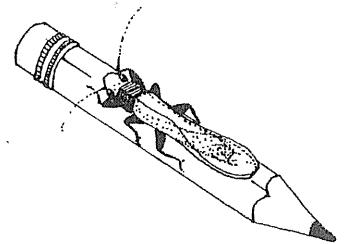
weather. Though not strictly part of the program, the social gatherings in the evenings, symposia strictly speaking, formed an important part of the meeting and provided most welcome additional opportunities for discussions and exchange of thoughts. Publication of a report on the 6th International Symposium on Plecoptera is intended.

At the end of the last session, T. Kawai made an invitation for the 7th International Symposium on Plecoptera to be held in Nara, Japan, in 1980, in conjunction with the International Congresses of Entomology and Limnology in near-by Kyoto. Honorary President J. Aubert extended an alternative invitation to Lausanne, Switzerland, 1981. Both were thanked and the invitation to Nara was accepted by the majority of the symposium participants.

Bulletin Board

NEWS: Ken Stewart and Bill Stark have undertaken the project of producing a volume on the nymphs of North American stoneflies. It will be in the format of the excellent book recently published by Glenn Wiggins on North American caddisfly larvae. All our North American colleagues are requested to lend their support to this study which will be a big help to everyone interested in aquatic insects.

Recent Plecoptera Literature



Plecoptera papers published since 1950 and not included in Illies (1966), Zwick (1973) or Perla 1. We plan to publish this type of list every three years and will appreciate the help of all our colleagues in making it as complete as possible.

Although we have tried very hard to make this list correct and complete, some errors and omissions have probably occurred. Please help us as editors by sending your comments in writing and of course by sending copies of your reprints. Because of the distance separating the editors, it would be very useful if you would send us both copies of your papers.

- ALLAN, J.D. (1975). The Distributional Ecology and Diversity of Benthic Insects in Cement Creek, Colorado.- *Ecology* (Durham, N. Carolina) 56(5): 1040-1053.
- ANDERSON, N.H. & D.M. LEHMKUHL (1968). Catastrophic drift of insects in a woodland stream.- *Ecology* (Durham, N. Carolina) 49(2): 198-206.
- ARMITAGE, P.D., A.M. MacHALE & D.C. CRISP (1974). A survey of stream invertebrates in the Cow Green Basin (Upper Teesdale) before inundation.- *Freshwat. Biol.* (Oxford) 4(4): 369-398.
- (1975). A survey of the invertebrates of four streams in The Moor House National Nature Reserve in Northern England.- *Freshwat. Biol.* (Oxford) 5(5): 479-495.
- ARNOLD, J.W. (1966). An interpretation of the haemocyte complex in a stonefly *Acroneuria arenosa* Pictet (Plecoptera: Pteronarcidae).- *Can. Ent. (Gulep, Ont.)* 98: 394-411.
- (1972). Haemocytologie in insect biosystematics: the prospect.- *Can. Ent. (Gulep, Ont.)* 104: 655-659.
- AUBERT, J. (1966). (Book Review) 1966. Katalog der rezenten Plecoptera by J. Illies.- *Insects and Hygiene* by J.R. Busvine, London, pp. 143-144.
- BALL, E.E. (1946). The seasonal succession of stoneflies (Plecoptera) in Willamette Valley trout streams.- M.S. Thesis, Oregon State Univ., Corvallis. Unpublished.
- , T.A. WOJTALEK & F.F. HOOPER (1963). Upstream dispersion of radiophosphorus in a Michigan trout stream.- *Pap. Mich. Acad. Sci. (Ann Arbor, Michigan)* 48: 57-64.
- ŞANARESCU, P. (1971). Competition and its bearing on the freshwater faunas.- *Rev. roum. Biol., Zool. (Bucarest)* 16: 153-164.
- BAUDOIN, J. & J. MOUTHON (1976). Nouvel exemple de corrélations entre la présence d'une Gregarine du genre *Ancyphora* Léger, 1892 et le régime alimentaire de l'hôte.- *C.R. Acad. Sci. Paris, D*, 282(13): 1285-1288.
- BAUMANN, R.W. (1972). (Book Review) The Classification, Evolution and Dispersal of the Winter Stonefly Genus *Allocapnia* by H.H. Ross and W.E. Ricker.- *Bull. Ent. Soc. Amer. (Washington)* 18: 191-192.
- (1973a). Studies on Utah Stoneflies (Plecoptera).- *Gt Basin Nat. (Provo, Utah)* 33(2): 91-108.
- (1973b). New *Megaleuctra* from the Eastern United States (Plecoptera: Leuctridae).- *Ent. News (Philadelphia)* 84: 247-250.
- (1974). What is *Alloperla imbecilla* (Say)? Designation of a neotype, and a new *Alloperla* from Eastern North America (Plecoptera: Chloroperlidae).- *Proc. biol. Soc. Wash.*, 87(24): 257-264.
- (1975). Revision of the Stonefly Family Nemouridae (Plecoptera): A study of the world fauna at the generic level.- *Smithsonian Contr. Zool. (Washington)* 211: III + 74 pp.
- (1976a). *Amphinemura reinerti*, A New Stonefly from Northern Mexico (Plecoptera: Nemouridae).- *SWest. Nat. (Dallas)* 20(4): 517-521.
- (1976b). A Report of the Fifth International Symposium on Plecoptera.- *Proc. biol. Soc. Wash.*, 88(38): 399-428.
- & A.R. GAUFIN (1974). Relocation of Plecoptera Type Specimens.- *Proc. ent. Soc. Wash.*, 76(4): 450-451.
- & D. KACANSKI (1975). A New Species of *Capnioneura* from Yugoslavia (Plecoptera, Capniidae).- *Mitt. schweiz. ent. Ges. (Zurich)* 48(3-4): 451-453.
- BENEDETTO, L. (1974). Clave para la determinación de los Plecopteros Sudamericanos.- *Stud. Neotropical Fauna (Amsterdam)* 9(2): 141-170.
- (1976). Annual and diurnal periodicity of stonefly-drift at the arctic circle.- *Limnologica (Berlin)* 11(1): 47-55.
- BENFIELD, E.F. (1974). Autohemorrhage in Two Stoneflies (Plecoptera) and its Effectiveness as a Defense Mechanism.- *Ann. Ent. Soc. Amer. (Washington)* 67(5): 739-742.

- BENGTSSON, J. (1974). Adfaerd i relation til strømmen og dens virkninger hos Nemoura cinera (Retz.) (Plecoptera).- Flora Fauna, Silkeborg, 80(3): 70-73. Danish, Eng. summary.
- _____, T. BUTZ & B.L. MADSEN (1972). Opstrømflugt hos vandløbsinsekter.- Flora Fauna, Silkeborg, 78(4): 102-104.
- BERTHELEMY, C. (1973). Données préliminaires sur les Plécoptères de Tunisie.- Verh. int. Verein. Limnol. (Stuttgart) 18(3): 1544-1548.
- _____, & C. LAUR (1975). Plécoptères et Coléoptères aquatiques du Lot (Massif Centrale Français).- Annls Limnol. (Toulouse) 11(3): 263-285.
- BESCH, W.K. (1973). Cartographie écologique des eaux courantes de Bade-Wurtemberg.- Ann. Hydrobiol. (Paris) 4(1): 1-9.
- BOURNAUD, M. & M. THIBAULT (1973). La dérive des organismes dans les eaux courantes.- Ann. Hydrobiol. (Paris) 4(1): 11-49.
- BRAASCH, D. (1972a). Neue Funde von Plecopteren in Bulgarien.- Ent. Nachr. (Dresden) 16(7-8): 81-90.
- _____(1972b). Steinfliegenfunde aus Mecklenburg.- Ent. Nachr. (Dresden) 16(12): 164-167.
- _____(1973). Nachtrag zur Steinfliegenfauna Brandenburgs.- Ent. Nachr. (Dresden) 17: 15-16.
- _____(1974). Steinfliegen aus Mecklenburg.- Ent. Nachr. (Dresden) 18(1): 11-13.
- _____(1975). Einige bemerkenswerte Steinfliegen (Plecoptera) aus der Sammlung der Sektion Fortwirtschaft, Bereich Biologie, in Tharandt.- Ent. Nachr. (Dresden) 19(3): 43-46.
- _____(1976). Leuctra leptogaster Aubert (Plecoptera) neu für den Harz.- Ent. Nachr. (Dresden) 20(3): 15-17.
- _____, & W. JOOST (1971). Neue Plecopteranfunde aus Bulgarien.- Ent. Nachr. (Dresden) 19(6): 58-66.
- _____, & W. JOOST (1973). Perla illiesi n. sp. aus Bulgarien (Insecta, Plecoptera).- Reichenbachia (Dresden) 14(13): 101-103.
- _____, & W. JOOST (1975). Ein weiterer Beitrag zur Kenntnis der Steinfliegen (Plecoptera) Bulgariens.- Ent. Nachr. (Dresden) 19(11): 165-171.
- _____, & W. JOOST (1976a). 11. Beitrag zur Plecopteranfauna Bulgariens.- Ent. Nachr. (Dresden) 20(2): 25-28.
- _____, & W. JOOST (1976b). Leuctra malickyi n. sp.- eine neue Plecoptera aus Österreich.- Ent. Nachr. (Dresden) 20(2): 30-32.
- _____, & E. ODRICH (1974). Perla bipunctata Pict. (Plecoptera) neu für die DDR.- Ent. Nachr. (Dresden) 18(10): 156-158.
- _____, & E. ODRICH (1975). Amphinemura borealis (Morton, 1894)- eine neue Plecoptere für die DDR.- Ent. Nachr. (Dresden) 19(5): 68-70.
- BRANHAM, J.M., A.R. GAUFIN & R.L. TRAVER (1975). Growth of Plecoptera (Stonefly) Nymphs at Constant, Abnormally High Temperatures.- Gt Basin Nat. (Provo, Utah) 35(1): 51-61.
- _____, & R.R. HATHAWAY (1975). Sexual differences in the growth of Pteronarcys californica Newport and Pteronarcella badia (Hagen) (Plecoptera).- Can. J. Zool. (Ottawa) 53(5): 501-506.
- BRITTAINE, J.E. (1974a). Ephemeroptera and Plecoptera in North Wales.- Entomologist's mon. Mag. (London) 110: 247-251.
- _____(1974b). Studies on the Lentic Ephemeroptera and Plecoptera of Southern Norway.- Norsk ent. Tidsskr. (Oslo) 21: 135-154.
- _____(1976). The temperature of two Welsh lakes and its effect on the distribution of two freshwater insects.- Hydrobiologia (Den Haag) 48(1): 37-49.

- BROCK, V. & R. BLUM (1977). Steinfliegen (Plecoptera) in einem Fließgewässer im Harz.- 125 Jahre Naturw. Verein Goslar: 37-60.
- BROWN, B.E. (1977). Effects of mine drainage on the river Hayle, Cornwall. A) Factors affecting concentrations of copper, zinc and iron in water, sediments and dominant invertebrate fauna.- Hydrobiologia (Den Haag) 52(2-3): 221-233.
- BRUSVEN, M.A. & K.V. PRATHER (1974). Influence of stream sediments on distribution of macrobenthos.- J. Ent. Soc. N.C., 71: 25-32.
- CARPENTER, F.M. (1969). Fossil Insects from Antarctica.- Psyche (Cambridge, Massachusetts) 76: 418-425.
- CASPER, N. (1972). Ökologische Untersuchungen der Invertebratenfauna von Waldbächen des Naturparkes Kottenforst-Ville.- Decheniana (Bonn) 125(1-2): 189-218.
- _____. (1975a) Productivity and trophic structure of some West German woodland brooklets.- Verh. Int. Verein. Limnol. (Stuttgart) 19: 1712-1716.
- _____. (1975b). Synaphophora intermedia Klap., nouveau Trichoptère pour la Faune de France.- Nouv. Rev. Ent. (Toulouse) 5(3): 293.
- _____. (1975c). Kalorische Werte der dominierenden Invertebraten zweier Waldbäche des Naturparkes Kottenforst-Ville.- Arch. Hydrobiol. (Stuttgart) 75(4): 484-489.
- _____. (1976). Weitere Beiträge zur Invertebratenfauna der Waldbäche des Naturparkes Kottenforst-Ville.- Decheniana (Bonn) 129: 92-95.
- _____. & H. STIERS (1976). Beitrag zur Kenntnis der Plecopteren der Eifel (Insecta: Plecoptera).- Decheniana (Bonn) 130: 136-150.
- CATHER, M.R. & A.R. GAUFIN (1975). Life History and Ecology of Megarcys signata (Plecoptera: Perlodidae), Mill Creek, Wasatch Mountains, Utah.- Gt Basin Nat. (Provo, Utah) 35(1): 39-48.
- _____. & A.R. GAUFIN (1976). Comparative ecology of three Zapada species of Mill Creek, Wasatch Mountains, Utah (Plecoptera: Nemouridae).- Am. Midl. Nat. (Notre Dame, Ind.) 95(2): 464-471.
- _____. , B.P. STARK & A.R. GAUFIN (1975). Records of Stoneflies (Plecoptera) from Nevada.- Gt Basin Nat. (Provo, Utah) 35(1): 49-50.
- CEKALOVIC, T. (1976). Catalogo de los plecopteros de Chile.- Boln. Soc. Biol. Concepción, 50: 145-156.
- CHINA, W.E. (1924). Isopteryx torrentium Pict. (Perlidae) in Surrey.- Entomologist's mon. Mag. (London) 60: 155-156.
- CHINO, Y. (1973). (Benthic animal communities of rivers in the surroundings of Matsumoto (Rivers Metoba-gawa, Ta-gawa, Susubi-gawa).- Shinano-Kyoiku, 1038: 56-65. Japanese.
- _____. (1974a). Notes on the nymph of Acroneuria jouklii Klapálek (Plecoptera).- New Ent., Ueda, 23(2-3): 8-12. Jap., Eng. summary.
- _____. (1974b). A Record of the Nymph of Scopura longa Ueno (Plecoptera) from Mt. Nyukasa, Suwa-gun Nagano-pref.- New Ent., Ueda, 23(2-3): 16. Japanese.
- _____. (1974c). Benthic animals of the Yura-gawa River.- Reports Biol. Res. of Rivers of Kinki District, 1: 1-9.
- _____. (1975). On the aquatic insect communities in shore zones and influents as well as effluents of lakes in Shinchu.- New. Ent., Ueda, 24(1): 8-17. Japanese, Eng. summary.
- CLIFFORD, H.F. (1966). The Ecology of Invertebrates in an Intermittent Stream.- Invest. Indiana Lakes and Streams 7(2): 57-97.
- CLUBB, R.W., J.C. LORDS & A.R. GAUFIN (1975). Isolation and Characterization of a Glycoprotein from the Stonefly Pteronarcys californica, which binds cadmium.- J. Insect Physiol. (London) 21: 53-60.

COLBY, C. (1972). Salt and water balance in stonefly naiads, *Pteronarcys californica* Newport.- Comp. Biochem. Physiol. (London) 41A: 851-860.

COLEMAN, M.J. & H.B.N. HYNES (1970). The vertical distribution of the invertebrate fauna in the bed of a stream.- Limnol. Oceanogr. (Baltimore) 15(1): 31-40.

CONSIGLIO, C. (1973). I Plecotteri dell'Apennino Centrale.- Lavori Soc. Ital. Biogeografia, N.S. (Forli) (1971) 2: 219-224.

_____. (1975). Second Contribution to the Knowlege of Sardinian Plecoptera.- Fragm. ent. (Roma) 11(1): 83-102.

CUMMINS, K.W. & R.C. PETERSON (1973). The utilization of leaf litter by stream detritivores.- Ecology (Durham, N. Carolina) 54(2): 336-345.

DAVIS, S.F. & M.J. WINTERBOURN (1977). Breakdown and colonization of Nothofagus leaves in a New Zealand stream.- Oikos (Copenhagen) 28: 250-255.

DECAMPS, H. & J.M. ELLIOTT (1972). Influence de la mesure chimique du débit sur les invertébrés d'un ruisseau de montagne.- Annls Limnol. (Toulouse) 8(2): 127-222.

_____. & P. LAVANDIER (1972). La faune d'un torrent de haute montagne dans les Pyrénées.- Prod. Probl. Freshwater, Warszawa-Krakow, Proc. IBP-UNESCO Symp. Prod. Probl. of Freshwaters, Kasimierz Dolny, Poland, 1970. pp. 875-881.

_____. & H. LAVILLE (1975). Invertébrés et matières organiques entraînés lors des crues à l'entrée et à la sortie du système karstique du Baget.- Annls Limnol. (Toulouse) 11(3): 287-296.

_____. & R. ROUCH (1973). Recherches sur les eaux souterraines 19. Le système karstique du Baget. I. Premières estimations sur la dérive des invertébrés aquatiques d'origine épigée.- Annls Spéléol. (Paris) 28(1): 89-110.

DORGELO, J. & N. LAIR (1973). Downstream drift in two brooks of Auvergne; preliminary observations.- Annls Stn. limnol. Besse-en-Chandesse (Clermont-Ferrand) 8: 103-117.

DUBEY, O.P. & B.K. KAUL (1971). Torrenticole Insects of the Himalaya. IV. Some Observations on the Ecology and the Character-Insect Communities of the R. Alhni.- Oriental Insects (Delhi) 5(1): 47-71.

DZIEDZIELEWICZ, J. (1877). Wykaz Prasiatnic I Sieciarek na porzecach Prutu po Kolomyjej Bystrzycy nadwornianskiej.- Pam. Tow. tatrza. (Krakow) 2: 68-75.

EIDEL, K. (1974). Die Steinfliegen (Plecoptera) des Wutachgebietes.- Mitt. bad. Landesver. Naturk. (Freiburg i.B.) 11(2): 135-143.

EIDT, D.C. (1975). The effect of fenitrothion from large-scale forest spraying on benthos in New Brunswick headwater streams.- Can. Ent. (Guelph, Ont.) 107(7): 743-760.

ELDER, J.A. & A.R. GAUFIN (1973). Notes on the Occurrence and Distribution of *Pteronarcys californica* Newport (Plecoptera) within streams.- Gt Basin Nat. (Provo, Utah) 33(4): 218-220.

_____. & J.L. LORDS (1974). Effect of selected mercurials on glyceraldehyde-3-phosphatase-dehydrogenase in *Pteronarcys californica*.- J. Insect Physiol. (London) 20(1): 41-48.

ELGMORK, K., O.R. SAETHER & O.A. SAETHER (1970). Distribution of invertebrates in a high mountain brook in the Colorado Rocky Mountains. Chironomids and other Invertebrates from North Boulder Creek, Colorado.- Univ. Colo. Stud. Ser. Biol. (Boulder) No. 31. 55 pp.

ELLIOTT, J.M. (1973). The food of Brown Trout and Rainbow Trout (*Salmo trutta* and *S. gairdneri*) in Relation to the Abundance of Drifting Invertebrates in a Mountain Stream.- Oecologia (Berlin) 12(4): 329-347.

- (1976). Energy losses in the waste products of brown trout (Salmo trutta L.).— J. Anim. Ecol. (Cambridge, Eng.) 45(2): 561-580.
- ELLIS, R.J. (1975). Seasonal abundance and distribution of adult stoneflies of Sashin Creek, Baranof Island, Southeastern Alaska (Plecoptera).— Pan-Pacif. Ent. (San Francisco) 51(1): 23-30.
- ELVANG, O. & B.L. MADSEN (1973). Biologiske undersøgelser over Taeniopteryx nebulosa (L.) (Plecoptera), med en bemærkning om vækst.— Ent. Meddr (Copenhagen) 41(1): 49-59.
- ELWOOD, J.L. & R.M. CUSHMAN (1975). The life history and ecology of Peltoperla maria (Plecoptera: Peltoperlidae) in a small spring-fed stream.— Verh. Internat. Verein. Limnol. (Stuttgart) 19: 3050-3056.
- FAHY, E. (1972). The feeding behavior of some common lotic insect species in two streams of differing detrital content.— J. Zool. (London) 167: 337-350.
- (1974). Distribution data on the Ephemeroptera and Plecoptera in Ireland.— Entomologist's Gaz. (London) 25(2): 141-146.
- (1975). Quantitative aspects of the distribution of invertebrates in the benthos of a small stream in western Ireland.— Freshwater Biol. (Oxford) 5(2): 167-182.
- FARMER, R.G. & D.C. TARTER (1976). Distribution of the superfamily Nemouroidea in West Virginia (Insecta: Plecoptera).— Ent. News (Philadelphia) 87(1-2): 17-24.
- FEY, J.M. & E. MERTSCHENK (1977). Zur Ephemeropteren-, Plecopterens- und Trichopterenfauna des Sauerlandes (Insecta: Ephemeroptera, Plecoptera, Trichoptera).— Decheniana (Bonn) 130: 131-135.
- FINNI, G.R. (1975). Feeding and longevity of the winter stonefly Allocapnia granulata (Claassen) (Plecoptera: Capniidae).— Ann. Ent. Soc. Am. (Washington) 68(2): 207-208.
- FLINT, O.S. (1974). (Book Review) The Classification, Evolution and Dispersal of the Winter Stonefly Genus Allocapnia by H. Ross and W. Ricker.— Proc. ent. Soc. Wash., 74(1): 131-132.
- FREDEEN, F.J.H. (1974). Tests with single injections of metoxychlor blackfly (Diptera: Simuliidae) larvicides in large rivers.— Can. Ent. (Guelph, Ont.) 106(3): 285-305.
- (1975). Effects of a single injection of metoxychlor black-fly larvicide on insect larvae in a 161 km (100 mile) section of the North Saskatchewan River.— Can. Ent. (Guelph, Ont.) 107(8): 807-817.
- FULLER, R.F. & K.W. STEWART (1977). The Food Habits of Stoneflies (Plecoptera) in the Upper Gunnison River, Colorado.— Environ. Entomol. (Washington) 6(2): 293-302.
- GAUFIN, A.R. & W.E. RICKER (1974). Additions and corrections to a list of Montana Stoneflies.— Ent. News (Philadelphia) 85(9-10): 285-288.
- , W.E. RICKER, M. MINER, I.P. MILAM & R.A. HAYS (1972). The Stoneflies (Plecoptera) of Montana (USA).— Trans. Am. ent. Soc. (Philadelphia) 98(1): 1-161.
- GIESEN-HILDENBRAND, D. (1976). Limnologische Untersuchungen am Flusssystem der Ahr.— Arb. Inst. Landw. Zool. Bienenkde. 3 (Dissertation, Bonn) 105 pp.
- GLENSTRUP, A.H. (1974). Den rheophila fauna i Arnå ved Solvig.— Natura jutl. (Aarhus) 17: 131-158.
- GORE, J.A. (1977). Reservoir manipulations and benthic macroinvertebrates in a prairie river.— Hydrobiologia (Den Haag) 55(2): 113-123.
- GRANT, C.D. (1967). Effects on aquatic insects of forest spraying with phosphamidon in New Brunswick.— J. Fish. Res. Bd Can. (Ottawa) 24(4): 823-832.

- GRIFFITHS, W. (1973). The effect of copper, zinc and reduced oxygen consumption of the stonefly nymph, Phasganophora capitata (Pictet).- M.S. Thesis, University of Waterloo, Ontario, Canada. Unpublished.
- HARPER, P.P. (1973a). Emergence, reproduction and growth of setipalpian Plecoptera in Southern Ontario.- *Oikos* (Copenhagen) 24(1): 94-107.
- _____. (1973b). Life histories of Nemouridae and Leuctridae in Southern Ontario (Plecoptera).- *Hydrobiologia* (Den Haag) 41(3): 309-356.
- _____. (1974). New Protonemura (s.l.) from Nepal (Plecoptera; Nemouridae).- *Psyche* (Cambridge, Mass.) 81(3-4): 367-376.
- _____. (1975). Quelques Amphinemura et Nemoura nouvelles du Nepal (Pléoptères: Némouridés).- *Nouv. Rev. Ent.*, 5(2): 119-127.
- _____. (1976). Plecoptera collected by the Hokkaido University Expedition to the Himalaya, 1968.- *Mushi* (Fukuoka) 49(3): 25-33.
- _____, J.G. PILON & J.M. PERRON (1975). Insectes aquatiques du nord de Québec (Ephéméroptères, Odonates, Pléoptères et Trichoptères).- *Ann. Soc. Ent.* (Quebec) 20(1): 33-43.
- _____. & D. ROY (1975). Utaperla gaspesiana sp. nov., le premier Pléoptère Paraperliné de l'Est canadien.- *Can. J. Zool.* (Ottawa) 53(8): 1185-1187.
- HARRISON, A.D. & K.H. BARNARD (1972). The stream fauna of an isolated mountain massif; Table Mountain, Cape Town, South Africa.- *Trans. R. Soc. S. Afr.* (Capetown) 40(3): 135-153.
- HATHAWAY, R.R. (1975). Sexual dimorphism in Malpighian Tubules of Pteronarcys californica Newport (Plecoptera).- *Gt Basin Nat.* (Provo, Utah) 35(4): 449-451.
- HEDGEKAR, B.M. & A.P. ARTHUR (1973). Host hemolymph chemicals that induce oviposition in the parasite Itoplectis conquisitor (Hymenoptera: Ichneumonidae).- *Can. Ent.* (Guelph, Ont.) 105(5): 787-793.
- HEIMAN, D.R. & A.R. KNIGHT (1972). Upper Lethal Temperature Relations of the Nymph of the Stonefly, Paragnetina media.- *Hydrobiologia* (Den Haag) 39(4): 479-493.
- _____. (1975). The influence of temperature on the bioenergetics of the carnivorous stonefly nymph Acroneuria californica Banks (Plecoptera: Perlidae).- *Ecology* (Durham, N. Carolina) 56(1): 105-116.
- HILDREW, A.G. & C.R. TOWNSEND (1976). The distribution of two predators and their prey in an iron rich stream.- *J. Anim. Ecol.* (Cambridge, Eng.) 45(1): 41-57.
- HILSENHOFF, W.L. (1975). Aquatic Insects of Wisconsin.- *Tech. Bull.* No. 89, Madison. 52 pp.
- HISSOM, F.K. & D.C. TARTER (1976). Taxonomy and distribution of nymphal Perlodidae of West Virginia (Insects: Plecoptera).- *J. Ga. Ent. Soc.* (Tifton, Georgia) 11(4): 317-323.
- HITCHCOCK, S.W. (1962). Notes on Banks' species of Peltoperlidae (Plecoptera).- *Bull. Brooklyn ent. Soc.* (Brooklyn, N.Y.) 57(3): 80-83 (Correction from Illies).
- _____. (1969). (Book Review) *Katalog der Rezenten Plecoptera* by J. Illies. 1966.- *Bull. Ent. Soc. Am.* (Washington) 15(1): 65.
- _____. (1974). Guide to the Insects of Connecticut Part VII. The Plecoptera or Stoneflies of Connecticut.- *Bull. State Geol. Natur. Hist. Surv. Connecticut* (Hartford) 107: 261 pp.
- HOFFMAN, K.H. (1976). Catalytic efficiency and structural properties of invertebrate muscle pyruvate kinases: correlation with body temperature and oxygen consumption rates.- *J. Comp. Physiol. (New York)* 110(1): 185-195.
- HOOPES, R.L. (1974). Flooding as a result of Hurricane Agnes, and its effect on a macrobenthic community in an infertile stream in Central Pennsylvania.- *Limnol. Oceanogr.* (Baltimore) 19(5): 853-857.

- HYMAN, D.R. & A.W. KNIGHT (1972). Upper-lethal-temperature relations of the nymphs of the Stonefly, *Paragnetina media*.- *Hydrobiologia* (Den Haag) 39: 479-497.
- HYNES, H.B.N. (1969). The ecology of flowing waters in relation to management.- *J. Wat. Pollut. Control Fed.* (Washington) I: 418-424.
- _____. (1974a). Comments on the Taxonomy of Australian Austroperlidae and Gripopterygidae (Plecoptera).- *Aust. J. Zool.* (Melbourne) Suppl. 29: 1-52.
- _____. (1974b). Observations on the Adults and Eggs of Australian Plecoptera.- *Aust. J. Zool.* (Melbourne) Suppl. 29: 37-52.
- _____. (1974c). Further studies on the distribution of stream animals within the substratum.- *Limnol. Oceanogr.* (Baltimore) 19: 92-99.
- _____. (1976a). Biology of Plecoptera.- *Ann. Rev. Ent.* (Palo Alto, Calif.) 21: 135-153.
- _____. (1976b). Tasmanian Antarctoperlaria (Plecoptera).- *Aust. J. Zool.* (Melbourne) 24: 115-143.
- _____. (1977). A key to the adults and nymphs of the British Stoneflies (Plecoptera) with notes on their Ecology and Distribution.- *Freshwat. Biol. Assoc. Sci.* (Ambleside) Publ. 17, 3. Aufl., 92 pp.
- _____. & M.E. HYNES (1975). The Life Histories of Many of the Stoneflies (Plecoptera) of South-eastern Mainland Australia.- *Aust. J. mar. Freshwat. Res.* (Melbourne) 26: 113-153.
- _____. , D.D. WILLIAMS & N.E. WILLIAMS (1976). Distribution of the benthos within the substratum of a Welsh mountain stream.- *Oikos* (Copenhagen) 27: 307-310.
- _____. & T.R. WILLIAMS (1962). The Effect of DDT on the Fauna of a Central African Stream.- *Ann. trop. Med. Parasit.* (Liverpool) 56(1): 78-91.
- HYNES, J.D. (1975). Downstream drift of invertebrates in a river in Southern Ghana.- *Freshwat. Biol.* (Oxford) 5: 515-532.
- IDE, F.P. (1967). Effects of Forest spraying with DDT on aquatic insects of salmon streams in New Brunswick.- *J. Fish. Res. Bd Can.* (Ottawa) 24(4): 769-805.
- IKONOMOV, P. (1974a). Distribution saisonnière des Plécoptères (Insectes) dans les eaux de Macédoine par rapport au facteur température. IV. Rivière Braitchinska (Montagne Pélistér).- *Ann. Fac. Sci. Nat. Univ. Kiril et Metodij, Skopje, Biologie*, 26 (1973): 15-36. Macedonian, French summary.
- _____. (1974b). Distribution saisonnière des Plécoptères (Insectes) dans les eaux de Macédoine par rapport au facteur température. VI. Ruisseau de Karani (Montagne de Belassitsa).- *Macedonian Acad. Sci. Arts, Skopje*, VI2: 29-49. Macedonian, French summary.
- _____. (1975). Distribution saisonnière des Plécoptères (Insectes) dans les eaux de Macédoine par rapport à la température. V. Blatetska Reka (petite rivière de Blatets montagne Pljatchkovitsa).- *Ann. Fac. Sci. Univ. Skopje*, 27-28 (1974/75): 5-25. Macedonian, French summary.
- _____. (1976a). Distribution saisonnière des Plécoptères (Insectes) dans les eaux courantes de Macédoine par rapport à la température. Ruisseau de Pehtchevo (Montagne Maléchevska).- *Ann. Fac. Biol. Univ. Kiril et Metodij, Skopje*, 29: 5-28. Macedonian, French summary.
- _____. (1976b). Distribution des Plécoptères (Insectes) dans les eaux courantes de Macédoine par rapport au température. VIII. Ruisseau de Vevtchani (Montagne Jablanitsa).- *Special Issue Mus. Macedonici Sci. Nat., Skopje*, 7: 57-69. Macedonian.
- ILLIES, J. (1965). Entstehung und Verbreitungsgeschichte einer Wasserinsektenordnung (Plecoptera).- *Limnologica* (Berlin) 3(1): 1-10.
- _____. (1967). Megaloptera und Plecoptera (Ins.) aus den jungpliozänen Süßwassermergeln von Willershausen.- *Ber. naturhist. Ges. Hannover*, 111: 47-55.

- (1971). Emergenz 1969 im Breitenbach.- Arch. Hydrobiol. (Stuttgart) 69(1): 14-59.
- (1972). Emergenzmessung als neue Methode zur produktionsbiologischen Untersuchung von Fliessgewässern.- Verh. dt. zool. Ges. (Leipzig) 65: 65-68.
- (1974a). Emergenzschwankungen-ein Produktionsbiologisches Problem.- Schiltzer Produktionbiologische Studien Nr. 7. Verh. Ges. Ökologie, Saarbrücken 1973 (Den Haag) pp. 131-142.
- (1974b). Arthropoda of the subantarctic islands of New Zealand. 5. Plecoptera.- N.Z. J. Zool. (Wellington, N.Z.) 1(3): 285-294.
- (1975). Notonemouridae of Australia (Plecoptera, Ins.).- Int. Revue ges. Hydrobiol. (Berlin) 60(2): 221-249.
- (1977). Plecoptera. p. 185-186 in: S.H. HURLBERT (ed.); Biota Acuatica de Sudamerica Austral. San Diego State University, San Diego, Cal., XIV + 342 pp.
- JACOBI, G.Z. (1971). A Quantitative Artificial Substrate Sampler for Benthic Macroinvertebrates.- Trans. Am. Fish. Soc. (New York) 100(1): 136-138.
- JAEGER, D. (1972). Faunistisch-ökologische Untersuchungen an wasserlebenden Insektenlarven (Trichopteren, Plecopteren und Ephemeropteren) in der Wiehl, einem Wiesen-Mittelgebirgsbach im oberbergischen Land.- Decheniana (Bonn) 125(1-2): 23-41.
- JAMES, A.M. (1974). Four New Species of Stoneflies in North America (Plecoptera).- Ann. Ent. Soc. Am. (Washington) 67(6): 964-966.
- (1976). Two new species of Leuctra, with notes on the ferruginea group (Plecoptera: Leuctridae).- Ann. Ent. Soc. Am. (Washington) 69(5): 882-884.
- JENKINS, T.M., C.R. FELDMETH & G.V. ELLIOTT (1970). Feeding of rainbow trout (Salmo gairdneri) in relation to abundance of drifting invertebrates in a mountain stream.- J. Fish. Res. Bd Can. (Ottawa) 27(12): 2356-2461.
- JEWETT, S.G. (1952). (Book Review) Systematic studies in Plecoptera by W.E. Ricker.- Ann. Ent. Soc. Am. (Columbus, Ohio) 46: 313-314.
- (1964). A Big Fly for a Big Fish.- The Creel, 3(2): 30-31.
- (1970). Stonefly Records from the Northwest (Punjab) Himalaya.- Orient. Insects (Delhi) 4(4): 481-482.
- (1971). Some Alaskan Stoneflies (Plecoptera).- Pan-Pacif. Ent. (San Francisco) 47(3): 189-192.
- (1972). (Book Review) The Classification, Evolution and Dispersal of the Winter Stonefly Genus Allocapnia, by H.H. Ross and W.E. Ricker.- J. Kansas ent. Soc. (Manhattan, Kansas) 45(1): 142-143.
- (1975a). Records and Descriptions of Stoneflies from Northwest (Punjab) Himalaya and Mt. Makalu, Nepal Himalaya.- Orient. Insects (Delhi) 9(1): 1-7.
- (1975b). Some stoneflies from Bangladesh, India and Southeast Asia.- Orient. Insects (Delhi) 9(2): 127-134.
- JONES, J.R.E. (1950). A further ecological study of the river Rheidol: the food of the common insects of the main-stream.- J. Anim. Ecol. (Cambridge, England) 19: 159-174.
- JOOST, W. (1976). Bemerkungen zur Steinfliegenfauna Chiles (Insecta, Plecoptera).- Mitt. zool. Mus. Berlin, 52(2): 203-208.
- KÁCANSKI, D. (1971). (Idioecological differences between species Leuctra hippopus Kempny and Leuctra hippopoides Kácanski and Zwick (Plecoptera).- Ekologija (Beograd) 6(2): 361-374.
- (1972a). Über den Fund einiger Plecoptera-Arten in Jugoslawien.- Bull. Republ. Sektion Bosn. Herzeg. Jugosl. ent. Ges. (Sarajevo) 2(2): 10-13.
- (1972b). Leuctra signifera jahorinensis n. ssp., eine neue Plecopteran-Subspecies aus Jugoslawien.- Mitt. schweiz. ent. Ges. (Lausanne) 45(1-3): 37-41.

- ____ (1973a). Die Plecopteren-Fauna der Gebirgen Maglić, Volujak und Zelengora.- Wiss. Mitt. Bosn.-herzegov. Landesmus (Sarajevo) 3(C): 87-99.
- ____ (1973b). Plecoptera sliva gornjek toka reke Bosne.- Glasnik Zemaljskog Museja, N.S., Prir. Nauke, 10(1971) (Sarajevo) 103-118.
- ____ (1974/75). Die Plecopteren aus dem oberen Flussgebiet der Bosna.- Wiss. Mitt. Bosn.-herzegovin. Landesmus. (Sarajevo) 4-5(C): 141-142.
- ____ (1975). Plecopteren aus dem Zlatibor Gebirge.- Recueil Trav. sur la faune d'insectes de la Serbie (ed. Ac, Serbe Sciences et des Arts) (Belgrad) 1: 237-245. Serbian, German.
- KAMLER, E. (1971). Reactions of two species of aquatic insects to the changes of temperature and oxygen concentration.- Polskie Archiwum Hydrobiol. (Warszawa) 18(3): 303-323.
- ____ (1973). Some data on ecological physiology and bioenergetics of a cold-water stenotherm Perlodes intricata (Plecoptera).- Verh. Int. Verein. Limnol. (Stuttgart) 18: 1534-1543.
- KAPOOR, N.N. (1974). Special morphological features of gills in Plecoptera.- Proc. Microscop. Soc. Can., 1: 66-67.
- ____ (1976). The Cuticular Patterns and Structures of Plecopteran Nymphs (Insecta) as Revealed by Scanning Electron Microscopy.- Scanning Electron Microscop., 8: 619-621.
- ____ & W. GRIFFITHS (1974). The effect of copper on the oxygen consumption and survival of the stonefly nymph, Phasganophora capitata (Pictet).- Proc. Can. Fed. Bio. Soc. (London, Ontario, Canada) 17: 405.
- ____ (1975). Oxygen consumption of nymphs of Phasganophora capitata (Pictet) (Plecoptera) with respect to body weight and oxygen concentrations.- Can. J. Zool. (Ottawa) 53(8): 1089-1092.
- ____ (1976). The Effect of Copper on the Oxygen Consumption Rates of the Stonefly Nymph, Phasganophora capitata (Pictet) (Plecoptera).- Zool. J. Linnean Soc. (London) 59(2): 209-215.
- KASIMOV, A.G. (1972). (Freshwater Fauna of the Caucasus).- Akad. Nauk. Azerbeidschanskoi SSR, Inst. Zool., 285 pp. Russian.
- KASTEN, R. (1972). Beitrag zur Biologie der Plecopteren des Kaltbachs.- Ber. Ökol. Stat. Messaure, 19: 1-10.
- KAWAI, T. (1966). Survey of the aquatic insect fauna of the Tokachi River System.- Scient. Rep. Hokkaido Salm. Hatch. (Sapporo) 29; 65-81.
- ____ (1971). Some stoneflies from the Hidaka Mountains in Hokkaido.- Mem. Natn. Sci. Mus. Tokyo, 4: 39-42.
- ____ (1973). Plecoptera.- pp. 545-566 in Freshwater Biology of Japan by the late T. Kawamura. Enlarged and revised, ed. by M. Ueno.
- ____ (1974a). A Note on the Nymph of Sopkalia yamadae (Okamoto) (Plecoptera, Perlodidae).- Kontyû (Tokyo) 42(1): 1-6.
- ____ (1974b). The Second Species of the Genus Scopura (Plecoptera, Scopuridae).- Bull Natn. Sci. Mus. Tokyo, 17(4): 275-281.
- ____ (1974c). (Bibliography of the Japanese Plecoptera, 1959-1973).- Kontyû (Tokyo) 42(4): 473-478, Japanese.
- ____ (1975). Plecoptera from Ceylon.- Reports from the Lund University Ceylon Expedition in 1962 Vol. II. Ent. Scand. (Copenhagen) Suppl. 4: 65-78.
- ____ (1976). A Catalogue of Japanese Plecoptera.- Nara Hydrobiol., 5: 5-46.
- ____ & H. ABE (1972). (Upstream movement of aquatic insects of the Takamigana River).- Studies on the biological production of the Yoshinogawa River, 4: 10-13. Japanese.

KEENLEYSIDE, M.H.A. (1967). Effects of forest spraying with DDT in New Brunswick on food of young Atlantic Salmon.- J. Fish. Res. Bd Can. (Ottawa) 24(4): 807-822.

KERST, C.D. (1970). The Seasonal Occurrence and Distribution of Stoneflies (Plecoptera) of a Western Oregon Stream.- M.S. Thesis Oregon State Univ., 80 pp. Unpublished.

— & N.H. ANDERSON (1974). Emergence patterns of Plecoptera in a stream in Oregon, USA.- Freshwat. Biol. (Oxford) 4(3): 205-212.

— & N.H. ANDERSON (1975). The Plecoptera community of a small stream in Oregon, USA.- Freshwat. Biol. (Oxford) 5(2): 189-203.

KIS, B. (1972). Genul Brachyptera New (Plecoptera) în R.S. România.- Studia Univ. Babeș-Bolyai, Ser. biol. (Bucuresti) 1: 107-111.

— (1972). Contribuții la Cuonașterea Plecopterelor din Munții Apuseni.- Centenar Muzeal Orădean, 739-743.

— (1974). Plecoptera. Fauna Republicii Socialiste România.- Insecta, 8(7): 271 pp.

— & F. JITARU (1972). Contribution to the knowlege of flight periods of Plecoptera (Plecoptera-Insecta) of the Oltet-valley. Studii si Cercetari, 161-164. Italian.

KITTEL, W. (1974). (Contribution to the knowlege of larvae of Nemoura cinerea (Retzius 1783) and Nemoura dubitans Morton, 1894 (Plecoptera).- Zeszyty Nauk. Uniw. Lódzkiego, Nauki Mat.-Przyrod. Ser. II, 56: 17-20. Polish, Engl. Summary.

— (1976). (Die Uferfliegen (Plecoptera) des Pilica-Flusses Der erste Fauna betreffende Teil).- Acta Univ. Lodzienensis, Nauki Mat.-Przyrod., Ser. II, 9: 79-118. Polish, German, Russian.

KLOTZEK, F. (1973). Faunistisch-ökologische Untersuchungen an Plecopteren der Einzugsgebiete von Bode und Selke im Harz.- Hercynia, N.F. (Halle a.S.) 10: 162-188.

KNIGHT, A.W., M.A. SIMMONS & C.S. SIMMONS (1976). A Phenomenological Approach to the Growth of the Winter Stonefly Taeniopteryx nivalis (Fitch) (Plecoptera, Taeniopterygidae).- Growth (Menasha, Wis.) 40: 343-367.

KNOX, C.B. (1965). Nervous System and Musculature of Pregenital Abdominal Segments of Male Stonefly Nymph Acroneuria (Plecoptera: Perlidae).- J. N.Y. ent. Soc. (New York) 73(2): 78-86.

KOMATSU, T. (1975). The seasonal and the annual changes of benthic communities of the climax in rapids of the stream.- Jap. J. Ecol. (Tokyo) 25(3): 160-172.

— (1976). Aquatic Insect Communities of the Rivers on the East Side of Mt. Norikura, Central Japan.- Nature and Culture of Mt. Norikura, 173-192. Japanese, Eng. summary.

KORYAK, M., M. SHAPIRO & J. SYKORA (1972). Riffle zoobenthos in streams receiving acid mine drainage.- Wat. Res. News (Redhill, England) 6: 1239-1247.

KOWNACKI, A. (1971). General characteristics of the biocoenosis in the streams of the Polish High Tatras.- Acta hydrobiol. (Krakow) 13(4): 465-476.

— & M. KOWNACKA (1973). The distribution of the bottom fauna in several streams of the Middle Balkan in the summer period.- Acta hydrobiol. (Krakow) 15(3): 295-310.

KREK, S., D. KÁCANSKI & M. TANASIJEVIC (1976). Biological analysis of insect populations (Ephemeroptera, Plecoptera, Simuliidae and Psychodidae) of the drainage basin of the river Sutjeska.- Godišn. Biol. inst. Univ. Sarajevo 29: 23-54.

KROGER, R.L. (1974). Invertebrate Drift in the Snake River, Wyoming.- Hydrobiologia (Den Haag) 44(4): 369-380.

KUBICEK, F. (1968). Die organische Drift des Svatka-Flusses im Abschnitt Zwischen zwei Talsperren (Vir, Kněnický).- Hydrobiologia (Den Haag) 31(3-4): 402-416.

- (1969). On the Drift in the Loucka Creek (Czechoslovakia).— *Folia, Fac. Sci. Nat. Univ. Purkynianae Brunensis*, 10: 45-53.
- (1970). On the Drift of a Brook Running through a Pond.— *Vestnik csl. Spol. zool. (Praha)* 34(3): 219-226.
- KUBO, T. et al. (1975). Productivity of Biotic Communities in the Yurappu River.— pp. 287-338 in S. Mori and G. Yamamoto (edit.): *Productivity of communities in Japanese inland waters*. JIPB Synthesis, 10(8): 436 pp.
- LANGFORD, T.E. & J.R. DAFFERN (1975). The Emergence of Insects From a British River Warmed by Power Station Cooling-water. Part I. The use and performance of insect emergence traps in a large, spate-river and the effects of various factors on total catches, upstream and downstream of the cooling-water outfalls.— *Hydrobiologia* (Den Haag) 46(1): 71-114.
- LAUFF, G.H. & K.W. CUMMINS (1964). A Model Stream for Studies in Lotic Ecology.— *Ecology* (Durham, N. Carolina) 45(1): 188-191.
- LAVANDIER, P. (1975). Cycle biologique et production de Capnioneura brachyptera D. (Plecoptères) dans un ruisseau d'altitude des Pyrénées Centrales.— *Annls Limnol. (Toulouse)* 11(2): 145-156.
- (1976). Cycle vital de Pachyleuctra benlocchi (Navás) dans un ruisseau d'altitude des Pyrénées Centrales (Plecoptera).— *Annls Limnol. (Toulouse)* 12(1): 1-5.
- & J. CAPBLANC (1975). Influence des variations d'oxygène dissous sur les invertébrés benthiques d'un ruisseau des Pyrénées Centrales.— *Ann. Limnol. Stn Biol. Lac Oredon* 11(1): 101-106.
- LEARNER, M.A., R. WILLIAMS, M. HARCUP & B.D. HUGHES (1971). A Survey of the macro-fauna of the River Cynon, a polluted tributary of the River Taff (South Wales).— *Freshwat. Biol. (Oxford)* 1(4): 339-367.
- LEVADINOVA, I.M. & L.A. ZHILTOVA (1976). Stoneflies (Plecoptera) of the Chukotka Peninsula.— *Freshwat. Fauna of the Chukotka Penn.*, 36: 15-37. Russian, Eng. summary.
- LEWIS, S.E. (1969). Fossil insects of the Latah Formation (Miocene) Eastern Washington and Northern Idaho.— *N.W. Sci. (Cheney, Washington)* 43(3): 99-115.
- LILLEHAMMER, A. (1964). Studies of the Fauna of the River Suldalslagen, West Norway. I. Proving of vurdering av noen metoder for bunnundersokelser.— *Norsk. ent. Tidsskr. (Oslo)* 12(5-8): 224-234.
- (1965). Capture of Capnia bifrons Newman, at Overland in Baerum. (Plecoptera: Capniidae).— *Norsk. ent. Tidsskr. (Oslo)* 13(1-2): 47-51.
- (1972a). Notes on the Stonefly Capnia vidua Klapalek from Fennoscandia.— *Norsk. ent. Tidsskr. (Oslo)* 19(2): 153-156.
- (1972b). Notes on the stonefly Nemoura sahlbergi Morton, with a description of the nymph.— *Norsk. ent. Tidsskr. (Oslo)* 19(2): 157-159.
- (1972c). A new species of the genus Nemoura (Plecoptera) from Finnmark, North Norway.— *Norsk. ent. Tidsskr. (Oslo)* 19(2): 161-163.
- (1973). The nymph of Capnopsis schilleri (Rostock) 1892. Notes on its morphology and emergence.— *Norsk. ent. Tidsskr. (Oslo)* 20: 267-268.
- (1974a). Norwegian stoneflies. I. Analysis of the variation in morphological and structural characters used in taxonomy.— *Norsk. ent. Tidsskr. (Oslo)* 21: 59-107.
- (1974b). Norwegian Stoneflies. II. Distribution and relationship to the environment.— *Norsk. ent. Tidsskr. (Oslo)* 21: 195-250.
- (1975a). Norwegian Stoneflies. III. Field studies on ecological factors influencing distribution.— *Norw. J. Ent. (Oslo)* 22: 71-80.
- (1975b). Norwegian Stoneflies. IV. Laboratory studies on ecological factors influencing distribution.— *Norw. J. Ent. (Oslo)* 22(2): 99-108.

- ____ (1976). Norwegian Stoneflies. V. Variations in morphological characters compared to differences in ecological factors.- Norw. J. Ent. (Oslo) 23: 161-172.
- LINDEGAARD, C., J. THORUP & M. BAHN (1975). The invertebrate fauna of the moss carpet in the Danish spring Ravnkilde and its seasonal vertical and horizontal distribution.- Arch. Hydrobiol. (Stuttgart) 75(1): 109-139.
- LOMBARDO, C.A. (1973a). Structure of the external apparatus of proprioceptors situated at the base of the legs of pterygote insects. I. I Polineotteri.- Bollettino Sedute Accad. Gioenia Sci. Nat. Catania, Ser. IV, 12(1-2): 203-216. Italian.
- ____ (1973b). On the presence of two coxal sense organs in Pterygota insects.- Monitor. zool. ital. (Firenze) 7(4): 243-246.
- LUEDTKE, R.J. & M.A. BRUSVEN (1976). Effects of Sand Sedimentation on Colonization of Stream Insects.- J. Fish. Res. Bd Can. (Ottawa) 33(9): 1881-1886.
- LYMAN, F.E. (1942). A Pre-Impoundment Bottom Fauna Study of Watts Bar Reservoir Area (Tennessee).- Trans. Am. Fish. Soc. (New York) 72: 52-62.
- MACAN, T.T. (1958). Methods of Sampling the Bottom Fauna in Stony Streams.- Internat. Assoc. Theoretical and Applied Limn., 8: 1-21.
- ____ (1962). Ecology of Aquatic Insects.- A. Rev. Ent. (Stanford, Palo Alto) 7: 261-288.
- ____ (1976). Relation entre la faune de quelques rivières du nord ouest de l'Angleterre et les activités humaines.- Bull. franç. Pisciculture, 48(260): 153-160. French, English.
- & A. KITCHING (1972). Some experiments with artificial substrata.- Verh. Internat. Verein. Limnol. (Stuttgart) 18: 213-220.
- & R. MAUDSLEY (1969). Fauna of the Stony Substratum in Lakes of the English Lake District.- Verh. Internat. Verein. Limnol. (Stuttgart) 17: 173-180.
- McCASKILL, H. & R. PRINS (1968). Stoneflies (Plecoptera) of North-western South Carolina.- J. Elisha Mitchell Sci. Soc. (Chapel Hill, N. Carolina) 84(4): 448-453.
- MACHIDA, J.A. & S. ISHOZAKI (1968) On the Benthic Fauna of Some River Systems in the Nagasaki district (I.) The Sasu and the Se Rivers of Tsushima in Winter.- Jap. J. Limnol. (Tokyo) 36(4): 122-130. Japanese.
- MACIOLEK, J.A. & M.G. TUNZI (1968). Microseston Dynamics in a Simple Sierra Nevada Lake-Stream System.- Ecology (Durham, N. Carolina) 49(1): 60-75.
- McLACHLAN, R. (1877). Concerning Taeniopteryx maracandica, McLach.- Entomologist's mon. Mag. (London) 24(1877/78): 90.
- MC LAY, C.L. (1968). A study of drift in the Kakanui River, New Zealand.- Aust. J. mar. Freshwat. Res. (Melbourne) 19: 139-149.
- MCLELLAN, I.D. (1973a) Revisions and New Taxa in New Zealand Motonemouridae (Insects: Plecoptera).- N.Z. J. mar. Freshwat. Res. (Wellington, N.Z.) 6(4): 469-481. (1972).
- ____ (1973b). Biogeography of Aquatic Insects in New Zealand.- N.Z. Entomologist 5(3+4): 247-249.
- ____ (1975). XIV. The Freshwater Insects.- in G. Kuschel, Biogeography and Ecology in New Zealand. Monographiae Biologicae (Den Haag): 537-559. (Plec. 540-545).
- ____ (1977). New alpine and southern Plecoptera from New Zealand, and a new classification of the Gripopterygidae.- N.Z. J. Zool. (Wellington, N.Z.) 4: 119-147.
- MADSEN, B.L. (1972). Detritus on Stones in Small Streams.- Memorie Ist. ital. Idrobiol. (Milano) 29, Suppl. : 385-403.
- ____ (1974). A Note on the Food of Amphinemoura sulcicollis (Plecoptera).- Hydrobiologia (Den Haag) 45(2-3): 169-175.

- _____. (1976). Population dynamics of Brachyptera risi nymphs (Plecoptera).- Oikos (Copenhagen) 27: 281-287.
- _____. & I. BUTZ (1976). Population movements of adult Brachyptera risi (Plecoptera).- Oikos (Copenhagen) 27: 273-280.
- _____. I. BUTZ & J. BENGTSON (1973). Observations on upstream migration by imagines of some Plecoptera and Ephemeroptera.- Limnol. Oceanogr. (Baltimore) 18(4): 678-681.
- MAKI, A.W. & H.E. JOHNSON (1976). Evaluation of a Toxicant on the Metabolism of Model Stream Communities.- J. Fish. Res. Bd Can. (Ottawa) 33: 2740-2746.
- deMARCH, B.D.E. (1976). Spatial and Temporal Patterns in Macrofaunal Stream Diversity.- J. Fish. Res. Bd Can. (Ottawa) 33(6): 1261-1270.
- MATONICKIN, I. & Z. PAVLETIC (1970). Zusammensetzung und Struktur der Biozönosen der Sava, einem Nebenfluss der Donau, in Jugoslawien.- Ekologija (Beograd) 5(1): 45-53.
- MEIERJÜRGEN, G.A. (1935). Zur Ernährungsbiologie der Bergbachfauna.- Inauguraldissertation, Westfal. Wilhems-Univ. Münster, B. Sporn, Zeulenroda, 140 pp.
- MEIJERING, M.P.D. (1972). Tierische Zeitpläne in aquatischen Lebensträumen.- Natur Mus., Frankfurt, 102(11): 411-420.
- MEINANDER, M. (1975). Notes on Plecoptera from Eastern Fennoscandia.- Notul. ent. (Helsingfors) 40: 129-130.
- MENDL, H. (1975). Beitrag zur Plecopterenaufnahme des Salzkammergutes/ Österr.- Linzer. Biol. Beitr., 7(3): 371-386.
- _____. & K. MÜLLER (1974a). Bäcksländor (Plecoptera): Kaltisjokkområdet.- Norrbottens Natur (Messaure) 30(1): 10-11.
- _____. & K. MÜLLER (1974b). Die Plecoptera des Messauregebietes.- Ent. Tidskr. (Stockholm) 95(3-4): 129-147.
- METZ, J.P. (1974). Die Invertebratendrift an der Oberfläche eines Voralpenflusses und ihre selektive Ausnutzung durch die Regenbogenforellen (Salmo gairdneri).- Oecologia (Berlin) 14: 247-267.
- MINER, M.L. (1968). A Study of the Stoneflies (Plecoptera) of the Rock Creek Drainage System, Granite Co., Montana.- M.S. Thesis Univ. of Utah, Salt Lake City, Utah. Unpublished.
- MINSHALL, G.W. (1967). Role of Allochthonous Detritus in the Trophic Structure of a Woodland Springbrook Community.- Ecology (Durham, N. Carolina) 48(1): 139-149.
- _____. & D.A. ANDREWS (1973). An ecological investigation of the Portneuf River, Idaho: a semiarid-land stream subjected to pollution.- Freshwat. Biol. (Oxford) 3:1-30.
- _____. & J.N. MINSHALL (1977). Microdistribution of benthic invertebrates in a Rocky Mountain (USA) stream.- Hydrobiologia (Den Haag) 55(3): 231-249.
- _____. & P.V. WINGER (1968). The Effect of Reduction in Stream Flow on Invertebrate Drift.- Ecology (Durham, N. Carolina) 49(3): 580-582.
- MIRON, I. (1968). Observatii Asupra Fenofazei Napirlirilii la Plecoptare.- Lucrariile, Stat. Cer. Biol. Geol. Geograf. "Stejarul", (Bucuresti) 1: 325-333.
- MOORE, J.W. (1977). Some factors affecting algal consumption in subarctic Ephemeroptera, Plecoptera and Simuliidae.- Oecologia (Berlin) 27(3): 261-273.
- MORTON, K.J. (1933). Neuroptera (sens. Linn.) observed in Argyllshire (V.C. Kintyre) in May, 1933.- Entomologist's mon. Mag. (London) 69: 220-223.
- MOUNCE, D.E. (1973). An introductory guide to stream insects of southern Vancouver Island.- Circular of the Fish. Res. Bd Can., Pacific Biol. Stat. Nanaimo, B.C., 95: 39 pp.
- MOYLE, P.B. (1976). Some effects of channelization on the fishes and invertebrates of Rush Creek, Modoc County, California.- Calif. Fish Game (Sacramento) 62(3): 179-186.

- MÜLLER, K. (1973). Circadian rhythms of locomotor activity in aquatic organisms in the subarctic summer.- *Aquilo*, Ser. zool. (Oulu, Finland) 14: 1-18.
- _____, H. MENDL, M. DAHL & A. MÜLLER-HAECKEL (1976). Biotopwahl und Colonization Cycle von Plecopteren in einem subarktischen Gewässersystem.- *Ent. Tidskr.* (Stockholm) 97(1-2): 1-6.
- MÜLLER, K. & E. THOMAS (1972). Bäcksländornas rytmik i Messaureområdet.- *Fauna flora* (Stockholm) 67(5): 191-195.
- MUNDIE, J.H., D.E. MOUNCE & L.E. SMITH (1973). Observations on the response of zoobenthos to additions of hay, willow leaves, alder leaves and cereal grain to stream substrates.- *Techn. Repts Fish. Res. Bd Can.* (Ottawa) 387: 123 pp.
- NAGELL, B. (1973). The Oxygen Consumption of Mayfly (Ephemeroptera) and Stonefly (Plecoptera) Larvae at Different Oxygen Concentrations.- *Hydrobiologia* (Den Haag) 42(4): 461-489.
- _____. (1974). The Basic Picture and the Ecological Implications of the Oxygen Consumption/Oxygen Concentration Curve of Some Aquatic Insect Larvae.- *Ent. Tidskr.* (Stockholm) 95, Suppl., 182-187.
- NARF, R.P. (1972). Emergence Patterns of Plecoptera (Stoneflies) from Otter Creek, Wisconsin.- M.S. Thesis, Univ. of Wisconsin, Madison. 62 pp. Unpublished.
- _____. & W.L. HILSENHOFF (1974). Emergence Patterns of Stoneflies (Plecoptera) in Otter Creek, Wisconsin.- *Gt Lakes Entomol.* (East Lansing, Mich.) 7(4): 117-125.
- NEBEKER, A.V. (1976). Survival of Daphnia, Crayfish and Stoneflies in Air-Supersaturated Water.- *J. Fish. Res. Bd Can.* (Ottawa) 33(6): 1208-1212.
- _____. & A.E. LEMKE (1968). Preliminary studies on the Tolerance of Aquatic Insects to Heated Waters.- *J. Kansas ent. Soc.* (Manhattan, Kansas) 41(3): 413-418.
- NEEDHAM, P.R. & R.L. USINGER (1956). Variability in the Macrofauna of a Single Riffle in Prosser Creek, California as indicated by the Surber Sampler.- *Hilgardia* (Berkeley, Calif.) 24(14): 383-409.
- NELSON, C.H. (1973). Synopsis of the Genus *Chilenoperla* (Plecoptera: Gripopterygidae).- *Pan-Pacif. Ent.* (San Francisco) 49(4): 315-324.
- _____. (1976). A new species of *Isoperla* (Plecoptera: Perlodidae) from Tennessee.- *J. Kansas ent. Soc.* (Manhattan, Kansas) 49(2): 212-214.
- _____. & J.F. HANSON (1973). The genus *Perlomyia* (Plecoptera: Leuctridae).- *J. Kansas ent. Soc.* (Manhattan, Kansas) 46(2): 187-199.
- _____. , D.C. TARTER & M.L. LITTLE (1977). Description of the Adult Male of *Allonarcys comstocki* (Smith) (Plecoptera: Pteronarcidae).- *Ent. News* (Philadelphia) 88(1-2): 33-36.
- NELVA, A. (1972). Étude préliminaire pour le Parc naturel régional du Bugey. 8. Les eaux courantes du Bas-Bugey, état physico-chimique et biologique.- *Bull. Soc. Ecol. Paris*, 3(4): 413-420.
- NEUHERZ, H. (1974). Ökologisch-faunistische Untersuchungen über die Hydrofauna der Lurgrotte zwischen Peggau und Semriach in der Steiermark.- *Sber. Österr. Akad. Wiss., Math.-Nat. Kl.*, Abt. I, 182(1-5): 103-146.
- _____. (1975). Die Landfauna der Lurgrotte (Teil I).- *Sber. Österr. Akad. Wiss., Math.-Nat. Kl.*, Abt. I, 183(8-10) 159-285.
- NEVEU, A. & M. ECHAUBARD (1975). La derive estivale des invertébrés aquatiques et terrestres dans un ruisseau du Massif-Central: la Couze Pavin.- *Ann. Hydrobiol.* (Paris) 6(1): 1-26.
- NILSON, H.C. & R.W. LARIMORE (1973). Establishment of invertebrate communities on log substrates in the Kaskaskia River, Illinois.- *Ecology* (Durham, N. Carolina) 54(2): 366-374.
- NUTTAL, P.M. & J.B. PURVES (1974). Numerical indices applied to the results of a survey of the macro-invertebrate fauna of the Tamar catchment (Southwest England).- *Freshwat. Biol.* (Oxford) 4: 213-222.

- OKAZAWA, T. (1974). Studies on the aquatic insects in the stream Hoshioki near Sapporo.- J. Fac. Sci. Hokkaido Univ., Ser. VI (Zool.) (Sapporo) 19(2): 474-488.
- PAVLETIC, Z. & I. MATONICKIN (1972). Biocenological structure in the river Korana as a reflection of the quality of water.- Ekologija (Beograd) 7(1-2): 59-79.
- PETERSEN, R.C. & K.W. CUMMINS (1974). Leaf processing in a woodland stream.- Freshwat. Biol. (Oxford) 4: 343-368.
- POOLE, W.C. & K.W. STEWART (1976). The Vertical Distribution of Macrofauna within the Substratum of the Brazos River, Texas.- Hydrobiologia (Den Haag) 50(2): 151-160.
- PRICE, C.D. & N.A. RATCLIFFE (1974). A reappraisal of insect haemocyte classification by the examination of blood from fifteen insect orders.- Z. Zellforsch. Mikrosk. Anat. (Berlin) 147(4): 537-549.
- RAVIZZA, C. (1974a). Su alcuni reperti di Insetti Plecotteri attivi come immagine nella stagione invernale (Plecoptera).- Atti Accad. Sci., Torino, 108 (1973-1974): 211-217.
- _____. (1974b). Ricerche ecologico-faunistiche sui Plecotteri della Val Staffora (Appennino Lombardo).- Boll. Mus. Civ. St. Nat. Verona, 1: 195-248.
- _____. (1975a). Note faunistiche e tassonomiche sui Plecotteri primaverili della Sardegna.- Boll. Soc. Sarda. Sci. Nat. (Sassari) 15: 3-13.
- _____. (1975b). Faunistica, ecologia e fenologia immaginale dei Plecotteri reofili nella Val Brembana (Lombardia). Con descrizione di una specie nuova (Plecoptera).- Redia (Firenze) 56: 271-373.
- _____. (1976a). Una nuova specie di Nemouridae dell'Appennino settentrionale (Plecoptera).- Fragm. ent. (Roma) 12(5): 127-132.
- _____. (1976b). Ricerche ecologico-faunistiche sui Plecotteri del Torrente Erro (Appennino Ligure).- Boll. Mus. Civ. St. nat. Verona 3: 331-361. Italian, English.
- _____. & W. RAVIZZA-DEMATTÉIS (1976). *Dictyogenus ventralis* (Pict.), nuovo per l'Italia, nell'Appennino settentrionale (Plecoptera; Perlodidae).- Atti Soc. Ital. Sci. nat. Milano 117(3-4): 109-116. Italian, English.
- RAWSON, D.S. (1953). The Bottom Fauna of Great Slave Lake.- J. Fish. Res. Bd Can. (Ottawa) 10(8): 486-487.
- REDFERN, M. (1969). Field Key to the Invertebrate Fauna of a Small Stony Hill-stream.- Fld. Stud. (London) 3(1): 185-192.
- RESSL, F. (1967). Über das Vorkommen einiger winteraktiver Insekten im Bezirk Scheibbs (N.-O.).- Ent. Nachrbl. (Vienna) 14: 85-87.
- REYNOLDSON, T.B. & P. BELLAMY (1975). Tricladids (Turbellaria: Tricladida) as predators of lake-dwelling stonefly and mayfly nymphs.- Freshwat. Biol. (Oxford) 5(4): 305-312.
- RICE, H.M.A. (1969). An antlion (Neuroptera) and a stonefly (Plecoptera) of Cretaceous age from Labrador, Newfoundland.- Pap. Geol. Surv. Can., Ottawa, 68-65: I-IV; 1-11. 2 pl.
- RICKER, W.E. & H.H. ROSS (1975). Synopsis of the Brachypterinae (Insecta: Plecoptera: Taeniopterygidae).- Can. J. Zool. (Ottawa) 53(2): 132-153.
- _____. & G.G.E. SCUDDER (1975). An annotated checklist of the Plecoptera (Insecta) of British Columbia.- Syesis (Victoria, B.C.) 8: 333-348.
- RIEK, E.F. (1954). Further Triassic Insecta from Brookvale N.S.W. (Orders Orthoptera, Saltatoria, Protorrhoptera, Perlaria).- Rec. Aust. Mus. (Sydney) 13: 161-168.
- _____. (1973a). The genera of Australian Austroperlididae (Insecta: Plecoptera).- J. Aust. Entomol. Soc. (Brisbane) 12(4): 289-295.
- _____. (1973b). Fossil insects from the Upper Permian of Natal.- Ann. Natal Mus. (Pietermaritzburg) 21(3): 513-532.

- ROBACK, S.S. (1966). The Catherwood Foundation Peruvian-Amazon Expedition, VII. Plecoptera Nymphs (Perlidae: Acroneuriinae).- Monogr. Acad. nat. Sci. Philad., 14: 201-233.
- ROBINSON, H.W. & G.L. HARP (1971). A Pre-Impoundment Limnological Study of the Strawberry River in Northern Arkansas.- Ark. Acad. Sci. Proc., 25: 70-79.
- ROGOZ, I. (1973). Cercetari asupra faunei bentonice in zona viitorului lac de acumulare din bazinul superior al riului Oltet.- Hidrobiologia (Bucuresti) 14(2): 281-290.
- ROOS, T. (1957). Studies on Upstream Migration in Adult Stream-Dwelling Insects.- Ann. Rep. Inst. Freshwat. Res. Drottningholm, 38: 167-193.
- RÖSER, B. (1976). Die Invertebratenfauna der Bröl und ihrer Nebenbäche.- Decheniana (Bonn) 129: 107-130.
- RUPPRECHT, G. (1971). Plecopteranstudien am Rieckenbach in Oberkärnten.- Carinthia II, Sonderheft 31, Festschrift Findenegg (Klagenfurt) 137-143.
- RUPPRECHT, R. (1972). Reaktionen aquatischer Insekten auf minimale Schwerereize.- Verh. dr. zool. Ges. (Stuttgart, New York) 65: 234-238.
- _____. (1972). Dialektbildung bei den Trommelsignalen von *Diura* (Plecoptera).- Oikos (Copenhagen) 23: 410-412.
- _____. (1972). Die Schwereorientierung von Imagines und Larven von Aquatischen Insekten ausserhalb des Wassers.- Forma Functio (Oxford) 6: 323-336.
- _____. (1975). The dependence of emergence period in insect larvae on water temperature.- Verh. Internat. Verein. Limnol. (Stuttgart) 19: 3057-3063.
- _____. (1976). Struktur und Funktion der Bauchblase und des Hammers von Plecopteren.- Zool. Jb. (Anat.) (Jena) 95: 9-80.

- _____. & W. GNATZY (1974). Die Feinstruktur der Sinneshaare auf der Bauchblase von *Leuctra hippopus* und *Nemoura cinerea* (Plecoptera).- Cytobiologie (Stuttgart) 9(3): 422-431.
- RYCK, F. (1973). The Mayfly and Stonefly Fauna of Missouri Ozark Streams.- Trans. Mo. Acad. Sci. (Columbia, Missouri) 7-8: 3-21.
- RYE, R.P. & E.L. KING (1976). Acute Toxic Effects of Two Lampricides to Twenty-one Freshwater Invertebrates.- Trans. Am. Fish. Soc. (New York) 105(2): 322-326.
- SCHALLOCK, E.W. & F.B. LOTSPEICH (1974). Low Winter Dissolved Oxygen in Some Alaskan Rivers.- Ecol. Res. Ser., EPA, Office Res. and Dev., pp. 1-33.
- SCHWARZ, P. (1973). Tages- und jahresperiodische Imaginalhäutung subarktischer und mitteleuropäischer Populationen von *Diura bicaudata* (Plecoptera).- Oikos (Copenhagen) 24: 151-154.
- SEDELL, J.R., F.R. TRISKA & N.S. TRISKA (1975). The processing of conifer and hardwood leaves in two coniferous forest streams: I. Weight loss and associated invertebrates.- Verh. Int. Verein. Limnol. (Stuttgart) 19: 1617-1627.
- SELGEBY, J. (1974). Immature Insects (Plecoptera, Trichoptera and Ephemeropota) Collected from Deep Water in Western Lake Superior.- J. Fish. Res. Bd Can. (Ottawa) 31(1): 109-111.
- SHAPAS, T.J. & W.L. HILSENHOFF (1976). Feeding Habits of Wisconsin's Predominant Lotic Plecoptera, Ephemeropota and Trichoptera.- The Gt Lakes Entomol. (East Lansing, Michigan) 9(4): 175-188.
- SHELDON, A.L. (1972). Comparative Ecology of *Arcynopteryx* and *Diura* (Plecoptera) in a California Stream.- Arch. Hydrobiol. (Stuttgart) 69(4): 521-546.
- _____. (1977). Colonization curves: application to stream insects on semi-natural substrates.- Oikos (Copenhagen) 28: 256-261.

- SIEGFRIED, C.A. & A.W. KNIGHT (1976). Trophic Relations of Acroneuria californica (Plecoptera: Perlidae) in a Sierra Foothill Stream.- Environ. Entomol. (Washington) 5(3): 575-581.
- SOWA, R. (1965a). Invertebrate Water Animals of the Dunajec River.- Pol. Acad. Sci. Hydrobiol. Committee XVI Limnol. Conventus in Poland, 1965, pp. 11-14.
- _____. (1965b). Invertebrate Water Animals of the Polish Tatra.- Pol. Acad. Sci. Hydrobiol. Committee XVI Limnol. Conventus in Poland, 1965, pp. 41-49.
- SPANGENBERG, H.J. (1973). Faunistisch-ökologische Untersuchungen an Gewässern von Gipshöhlen und im Grundwasser des Süduhres und Kyffhäuserns.- Int. Revue Ges. Hydrobiol. (Berlin) 58(4): 501-542.
- SPRAGUE, J.B. (1968). Apparent DDT tolerance in an aquatic insect disproved by test.- Can. Ent. (Guelph, Ont.) 100: 279-284.
- STANFORD, J.A. & A.R. GAUFIN (1974). Hyporheic communities of two Montana Rivers.- Science (Washington) 185: 700-702.
- _____. (1975). Structure and function of the hyporheic community in the Flathead and Tobacco Rivers, Montana.- Verh. int. Verein. theor. angew. Limnol. (Stuttgart) 19(3): 1639-1640.
- STARK, B.P. & A.R. GAUFIN (1974a). The Species of Calineuria and Doroneuria (Plecoptera: Perlidae).- Gt Basin Nat. (Provo, Utah) 34(2): 83-93.
- _____. & A.R. GAUFIN (1974b). The Genus Diploperla (Plecoptera: Perlodidae).- J. Kansas ent. Soc. (Manhattan, Kansas) 47(4): 433-436.
- _____. & A.R. GAUFIN (1976). The Nearctic species of Acroneuria (Plecoptera: Perlidae).- J. Kansas ent. Soc. (Manhattan, Kansas) 49(2): 221-253.
- _____. & A.R. GAUFIN (1976). The Nearctic Genera of Perlidae (Plecoptera).- Misc. Publ. Ent. Soc. Am. (Washington) 10(1): 1-80.
- _____, B.R. OBLAD & A.R. GAUFIN (1973a). An annotated list of the stoneflies (Plecoptera) of Colorado.- Ent. News (Philadelphia) 84(9): 269-277.
- _____, B.R. OBLAD & A.R. GAUFIN (1973b). An annotated list of the stoneflies of Colorado.- Ent. News (Philadelphia) 84(10): 301-305.
- _____. & K.W. STEWART (1973). New species and descriptions of Stoneflies (Plecoptera) from Oklahoma.- Ent. News (Philadelphia) 84: 192-197.
- _____. & S.W. SZCZTYKO (1976). The Genus Beloneuria (Plecoptera: Perlidae).- Ann. Ent. Soc. Am. (Washington) 69(6): 1120-1124.
- _____, T.A. WOLFF & A.R. GAUFIN (1975). New Records of Stoneflies (Plecoptera) from New Mexico.- Gt Basin Nat. (Provo, Utah) 35(1): 97-99.
- STEELE, B.D. & D.C. TARTER (1977). Distribution of the Family Perlidae in West Virginia (Plecoptera).- Ent. News (Philadelphia) 88(1-2): 18-22.
- STEINMANN, H. (1968). Alkereszek-Plecoptera.- Faun Hung. (ent.) (Budapest) 92(8): 1-185.
- STEVENSON, R.C. (1969). Preliminary Electrophoretic Analyses of Hemolymph Proteins of Pteronarcys californica.- Proc. Mont. Acad. Sci. (Missoula, Montana) 29: 23-30.
- STEWART, K.W. (1971). Stoneflies.- Texas Parks and Wildlife, 29(4): 6-11.
- _____, R.W. BAUMANN & B.P. STARK (1974). The Distribution and Past Dispersal of Southwestern United States Plecoptera.- Trans. Am. ent. Soc. (Philadelphia) 99: 507-546.
- _____. & T.G. HUGGINS (1977). Kansas Plecoptera (Stoneflies).- Tech. Publ. St. Biol. Surv. Kansas (Lawrence) 41: 31-40.
- _____. & B.P. STARK (1977). Reproductive system and mating of Hydroperla crosbyi: a newly discovered method of sperm transfer in Insecta.- Oikos (Copenhagen) 28(1): 84-89.

- _____, B.P. STARK & T.G. HUGGINS (1976). The stoneflies (Plecoptera) of Louisiana.- Gt Basin Nat. (Provo, Utah) 36(3): 366-384.
- _____, & S.W. SZCZYTOKO (1974). A New Species of Taeniopteryx from Texas (Plecoptera: Taeniopterygidae).- J. Kansas ent. Soc. (Manhattan, Kansas) 47(4): 451-458.
- SUBLETTE, J.E. (1956). Seasonal Changes in Bottom Fauna of an Ozark Headwater Stream (Clear Creek; Washington County, Arkansas).- SWest. Nat. (Dallas, Texas) 1(4): 148-156.
- SURDICK, R.F. & M.R. CATHER (1975). The nymph of Utaperla sopladora Ricker (Plecoptera: Chloroperlidae).- Ent. News (Philadelphia) 86(5-6): 102-106.
- _____, & K.C. KIM (1976). Stoneflies (Plecoptera) of Pennsylvania, A Synopsis.- Penn. State Univ., Coll. Agric. Exp. Stn. Bulletin (University Park) 808: 73 pp.
- SUTCLIFFE, D.W. & T.R. CARRICK (1973). Studies on Mountain streams in the English Lake District. I. pH, calcium and the distribution of invertebrates in the River Duddon.- Freshwat. Biol. (Oxford) 3(5): 437-462.
- SZCZESNY, B. (1974). The effect of sewage from the town of Krynicza on the benthic invertebrate communities of the Kryniczanka stream.- Acta hydrobiol. (Krakow) 16(1): 1-29.
- SZCZYTOKO, S.W. & K.W. STEWART (1976). Three New Species of Nearctic Isoperla (Plecoptera).- Gt Basin Nat. (Provo, Utah) 36(2): 211-220.
- TAKARA, T. & S. AZUMA (1972). (The fauna of Iriomote Island, Ryukyu Archipelago II. Insecta: Protura, Collembola, Thysanura, Ephemeroptera, Odonata and Plecoptera).- Sci. Bull. Coll. Agric. Univ. Ryukyu, Okinawa, 19: 87-97.
- TARTER, D.C. & L.A. KRUMHOLZ (1971). Life history and ecology of Paragnetina media (Walker) (Insecta: Plecoptera) in Doe Run, Meade County, Kentucky.- Am. Midl. Nat. (Notre Dame, Ind.) 86(1): 169-180.
- _____, M.L. LITTLE, R.F. KIRCHNER, W.D. WATKINS, R.G. FARMER & D. STEELE (1975). Distribution of pteronarcid stoneflies in West Virginia (Insecta: Plecoptera).- Proc. W. Va. Acad. Sci. (Morgantown, W. Virginia) 47(2): 79-85.
- TEBO, L.B. & H.W. HASSSLER (1961). Seasonal Abundance of Aquatic Insects in Western North Carolina trout streams.- J. Elisha Mitchell Scient. Soc. (Chapel Hill, N. Carolina) 77(2): 249-259.
- _____, & W.W. HASSSLER (1963). Food of Brook, Brown and Rainbow Trout in Streams in Western North Carolina.- J. Elisha Mitchell Scient. Soc. (Chapel Hill, N. Carolina) 79(1): 44-53.
- TERRA, L.S.W. da (1972). Algunos registros de Efemerópteros, Plecopteros e Tricópteros de Portugal.- Estudos Inf. Dir. ger. Servs flor. aquic. (Lisboa) 261: 47 pp.
- TETSUKAWA, T., T. KAWAI & K. IKENCHI (1971). (Aquatic insect larvae found in shore of the River Takamigawa).- Study of Biological Production of the River Yoshino-gawa, No. 3; 19.
- THEISCHINGER, G. (1974). Plecoptera (Insecta) aus Oberösterreich, I. Rhabdiopteryx navicula spec. nov. (Taeniopterygidae) aus dem Innviertel.- Naturk. Jb. Stadt Linz 1974: 185-194.
- _____, (1975a). Zwei neue Protoneura-Arten und andere Steinfliegen (Plecoptera) aus Griechenland.- Linzer biol. Beitr., 7(1): 119-127.
- _____, (1975b). Rhabdiopteryx christinae n. sp., eine neue Steinfliege aus Spanien (Plecoptera: Taeniopterygidae).- Z. Arbgem. Österr. Ent. (Vienna) 27(1-2): 25-30.
- _____, (1976a). Plecoptera (Insecta) aus Oberösterreich, III.- Linzer. biol. Beitr., 8(1): 161-177.
- _____, (1976b). Leuctra holzschuhi spec. nov., eine neue Steinfliege aus Iran (Plecoptera, Leuctridae).- Linzer. biol. Beitr., 8(1): 289-292.
- _____, (1976c). Plecoptera (Insecta) aus Oberösterreich, IV. Protoneura austriaca spec. nov.- Naturk. JB. Stadt Linz 21: 135-141.

- ____ (1976d). 94 Steinfliegenarten in Oberösterreich. Aktuelle Berichte aus dem Oberösterreichischen Landesmuseum (Linz) 3: 2-4.
- ____ (1976e). Steinfliegen (Plecoptera) aus Anatolien und Iran.- Z. Arbgem. Österr. Ent. (Vienna) 27(3-4): 105-114.
- ____ (1976f). Weitere Steinfliegen aus Anatolien und Iran.- A. Arbgem. Österr. Ent. (Vienna) 28(1-3): 49-54.
- ____ (1976g). Bestätigung von Protonemura algovia und Erstnachweis von Protonemura montana für Österreich.- Linzer. biol. Beitr., 8(2): 389-392.
- ____ (1976h). Präimaginale Merkmale von Rhabdiopteryx navicula Theischinger und Rhabdiopteryx acuminata Klapálek (Plecoptera, Taeniopterygidae).- Jber. oberöst. Musealver. (Linz) 121, I. Abhandl., 288-292.
- ____ & U. HUMPESH (1976). Plecoptera (Insecta) aus Oberösterreich II. Zusammenfassender Beitrag zur Kenntnis der Landesfauna.- Naturk. Jb. Stadt. Linz 21: 81-134.
- THIEL, K.D. & H.J. SUBKLEW (1976). Der Bierbach im Naturschutzgebiet "Eldena" bei Griefswald Faunistische Teilaufnahme eines Fließgewässers.- Limnologia (Berlin) 11(1): 101-123.
- THORUP, J. (1966). Substrate Type and its Value as a Basis for the Delimitation of Bottom Fauna Communities in Running Waters.- Spec. Publ. 4, Pymatuning Lab. Ecol., Univ. Pittsburg, pp. 59-74.
- ____ (1970). The influence of a short-termed flood on a Springbrook Community.- Arch. Hydrobiol. (Stuttgart) 66(4): 447-457.
- ____ (1973). Interpretation of Growth Curves for Animals from Running Water.- Ecol. Freshwat. Organisms. 3. Aquatic Anim., 18: 1512-1520.
- TOBIAS, D. (1974a). Köcherfliegen und Steinfliegen einiger Gewässer in Sör Varanger (Nord-Norwegen) (Trichoptera, Plecoptera). II. Amphinemura norvegica n. sp. (Nemouridae).- Senckenberg. biol. (Frankfurt a.M.) 54(4-6): 339-342.
- ____ (1974b). Köcherfliegen und Steinfliegen einiger Gewässer in Sör Varanger (Nord-Norwegen) (Trichoptera, Plecoptera). III. Liste der gefundenen Steinfliegen-Arten.- Senckenberg. biol. (Frankfurt a.M.) 55(1-3): 165-168.
- ____ & D. TOBIAS (1976). Köcherfliegen und Steinfliegen der Varanger-Halbinsel (Nord-Norwegen) (Trichoptera, Plecoptera).- Ent. Z. (Stuttgart) 86(18): 201-208.
- TOWNSEND, C.R. & A.C. HILDREW (1976). Field experiments on drifting, colonization and continuous redistribution of stream benthos.- J. Anim. Ecol. (Cambridge, England) 45(3): 759-772.
- TROTZKY, H.M. & R.W. GREGORY (1974). The effects of water flow manipulation below a hydroelectric power dam on the bottom fauna of the upper Kennebec River, Maine.- Trans. Am. Fish. Soc. (New York) 103(2): 318-324.
- TSUDA, M. & T. KOMATSU (1964a). Aquatic Insect Communities of the Rivers of the Togakushi Highland.- Jap. J. Ecol. (Tokyo) 14: 14-18.
- ____ (1964b). Aquatic insect communities of Yoshino River four years after the Ise-Wan Typhoon.- Jap. J. Ecol. (Tokyo) 14(2): 43-49.
- ____ (1964c). On the succession of insect communities in the rapids of the river.- Physiology and Ecology, 12(1-2): 243-251.
- TSUDA, M., K. UEDA, K. GOSE & I. MAKE (1975). Part 8. Productivity of the Yoshino River, Nara. in: S. Mori and G. Yamamoto (edit.): Productivity of communities in Japanese inland waters. JIPB Synthesis 10: 436 pp.
- UEENO, M. (1931). Mayflies, Stoneflies and Caddisflies collected in Kamikochi and its surrounding districts, Prov. of Shinano.- Kontyû (Tokyo) 5(3): 104-107.
- UHLMAN, E. (1940). Die Tierwelt Jenas pp. 59-102. in: H. Lehmann (Hrsg.): Jena, Thüringens Universitätsstadt in Vergangenheit und Gegenwart, Band 1.

- UJHELYI, S. (1975). Über Rhabdiopteryx hamulata KLAP. (Plecoptera, Taeniopterygidae).- Fol. Hist.-nat. Mus. Matr. (Budapest) 3: 63-67.
- ULFSTRAND, S. (1975). Diversity and some other parameters of Ephemeroptera and Plecoptera communities in subarctic running waters.- Arch. Hydrobiol. (Stuttgart) 76(4): 499-520.
- VAILLANT, F., C. DEGRANGE & B. SERRA-TOSIO (1972). La faune de l'Isère et de quelques-uns de ses tributaires.- Trav. lab. Hydrobiol. Piscic. Univ. Grenoble, 63: 189-213.
- VAUGHT, G.L. & K.W. STEWART (1974). The Life History and Ecology of the Stonefly Neoperla clymene (Newman) (Plecoptera: Perlidae).- Ann. Ent. Soc. Am. (Washington) 67(2): 167-178.
- VERNEAUX, J. (1971). Faune dulcaquicole de Franche-Comté Le Bassin du Doubs (Massif du Jura). Deuxième partie: les Plécoptères.- Annls Scient. Univ. Besançon, Zool., 7: 19-28.
- & D. GABORIT (1972). Sur les structures d'un grand cours d'eau à Salmonidés: la Loué (Massif du Jura) - Mesologie - Poissons - Plécoptères - Ephéméroptères - Trichoptères.- Ann. Hydrobiol. (Paris) 4(1): 138-140.
- VOCKEROTH, J.R. (1953). (Book Review) Systematic Studies in Plecoptera by W.E. Ricker.- Entomologist's mon. Mag. (London) 89: 23.
- WARD, J.V. (1974). A temperature-stressed stream ecosystem below a hypolimnia release mountain reservoir.- Arch. Hydrobiol. (Stuttgart) 74(2): 247-275.
- (1975). Bottom Fauna-Substrate Relationships in a Northern Colorado Trout Stream: 1945-1974.- Ecology (Durham, N. Carolina) 56(6): 1429-1434.
- (1976). Comparative limnology of differently regulated sections of a Colorado mountain river.- Arch. Hydrobiol. (Stuttgart) 75(3): 319-342.
- WATERS, T.F. (1969). Diel Patterns of Aquatic Invertebrate Drift in Streams of Northern Utah.- Proc. Utah Acad. Sci., Arts Lett. (Provo) 46(2): 109-130.
- WICHARD, W. & H. KOMNICK (1973). Fine Structural and Histochemical Evidence of Chloride Cells in Stonefly larvae. 1. The coniform chloride cells.- Cytobiology 7(3): 297-314. German, English.
- (1974a). Fine Structural and Histochemical Evidence of Chloride Cells in Stonefly Larvae. 2. The caviform and bulbiform chloride cells.- Cytobiology 8(2): 297-311. German, English.
- (1974b). Structure and function of the respiratory epithelium in the tracheal gills of stonefly larvae.- J. Insect Physiol. (Oxford, New York) 20: 2397-2406.
- WILLIAMS, D.D. & H.B.N. HYNES (1976). The Ecology of Temporary Streams I. The Faunas of Two Canadian Streams.- Int. Revue ges. Hydrobiol. (Berlin) 61(6): 761-787.
- WINGER, P.V., E.J. PETERS, M.J. DONAHOO, J.R. BARNES & D.A. WHITE. (1972). A Checklist of Macroinvertebrates of the Provo River, Utah.- Gt Basin Nat. (Provo, Utah) 32(4): 211-219.
- WINKLER, O. (1954). Poutzitie Makroorganizmov ako inkidatorov cistotneho stupna Tecucich Vod.- Vodohospod. Čas. (Bratislava) 1: 128-138.
- (1965). Verhandlungen des 3 Internationalem Symposiums über Plecoptera.- Acta Ent., 62: 317-318.
- WINTERBOURN, M.J. (1974). The life histories, trophic relations and production of Stenoperla prasina (Plecoptera) and Deleatidium sp. (Ephemeroptera) in a New Zealand river.- Freshwat. Biol. (Oxford) 4: 507-524.
- WOODALL, W.R. & J.B. WALLACE (1972). The benthic fauna in four small southern Appalachian Streams.- Am. Midl. Nat. (Notre Dame, Ind.) 88(2): 393-407.
- WU, C.F. (1973). New species of Chinese Stoneflies (Order Plecoptera).- Acta ent. sin. (Peking) 16(2): 97-118, pls. 1-8. Chinese, English.

- ZACHWILIKOWSKA, K. (1968). Bottom Fauna in the Basin of the River Kamienica Nawojowska.- *Acta hydrobiol.* (Krakow) 10(3): 319-341.
- ZAPEKINA-DULKEIT, Y.I. (1975). (New Species of Plecoptera from Southern Siberia).- *Ent. Obozr.* (Leningrad) 54(2): 378-382. Russian.
- & L.A. ZHILTOVA (1973). A new genus of stoneflies (Plecoptera) from Lake Baikal.- *Ent. Obozr.* (Leningrad) 52(2): 340-346. Russian.
- ZELT, K.A. & H.F. CLIFFORD (1972). Assessment of two mesh sizes for interpreting life cycles, standing crop and percentage composition of stream insects.- *Freshwat. Biol.* (Oxford) 2: 259-269.
- ZHILTOVA, L.A. (1974a). Rare genera of the family Leuctridae (Insecta: Plecoptera) in the fauna of the USSR.- *Zool. Zh. (Moskva)* 53(3): 359-364. Russian, English summary.
- (1974b). New and little known species of stoneflies of the family Capniidae (Plecoptera) from Middle Asia.- *Ent. Obozr.* (Leningrad) 53(1): 137-149. Russian, English.
- (1975a). (*Rhopalopsole*, a genus of Plecoptera new for the USSR (Plecoptera: Leuctridae)).- *Zool. Zh. (Moskva)* 54(2): 221-230. Russian, English.
- (1975b). On the fauna of stoneflies (Plecoptera) of the Mongolian Peoples Republic. Second Contribution.- *Insects of Mongolia* (Leningrad) 3: 26-32. Russian.
- (1976a). A contribution to the fauna of stoneflies of the family Nemouridae (Insecta, Plecoptera) in the Middle Asia.l.- *Zool. Zh. (Moskva)* 40(20): 1476-1481. Russian, English.
- (1976b). *Strophopteryx* Frison (Plecoptera, Taeniopterygidae) new to fauna of USSR.- *Trudi Zool. Inst. (Leningrad)* 67: 3-6. Russian.
- (1976c). Materials on studying the Stoneflies fauna of the Leuctridae Family (Insects, Plecoptera) from Siberia and the Far East.- *Vestnik Zool. (Kiev)* 1976(5): 56-63. Russian, English.
- , J.I. ZAPEKINA-DULKEIT & I.M. LEVANIDOV (1975a). Palearctic species of the genus *Isocapnia*, Banks (Plecoptera, Capniidae).- *Ent. Obozr. (Moskva)* 54(3): 565-576. Russian.
- ZIEGLER, D.D. & K.W. STEWART (1977). Drumming Behavior of Eleven Nearctic Stonefly (Plecoptera) Species.- *Ann. Ent. Soc. Am.* (Washington) 70(4): 495-505.
- ZIEMANN, H. (1975). Über den Einfluss der Wasserstoffionenkonzentration und des Hydrogenkarbonatgehaltes auf die Ausbildung von Bergbachbiozönosen.- *Int. Rev. ges. Hydrobiol.* (Leipzig) 60(4): 523-555.
- ZWICK, P. (1973a). Plecoptera from Korea. Zoological Collectings by the Hungarian Natural history Museum in Korea, No. 9.- *Annls hist. -nat. Mus. natn. hung.* (Budapest) 65: 157-169.
- (1973b). Entomological Explorations in Ghana by Dr. S. Endrody-Younga 27. Notes on Some Species of *Neoperla* (Plecoptera).- *Folia ent. hung.* (Budapest) Suppl. 26: 381-398.
- (1974a). Das phylogenetische System der Plecoptera.- *Ent. Germ.* (Stuttgart) 1(1): 50-57.
- (1974b). Die Fulda-Berggruss auf klarer Welle?- *Jahrb. Landkreis. Fulda*, 2: 110-118.
- (1975). Weitere Plecoptera aus Anatolien.- *Mitt. schweiz. ent. Ges. (Zurich)* 48(3-4): 387-396.
- (1976a). Missbildungen, speziell zwei Atavismen, bei Steinfliegen (Insecta: Plecoptera).- *Zool. Anz. (Leipzig)* 197(3-4): 219-224.
- (1976b). *Neoperla* (Plecoptera: Perlidae) Emerging from a Mountain Stream in Central Africa.- *Int. Revue ges. Hydrobiol.* (Berlin) 61(5): 683-697.
- (1976c). Ergebnisse der Bhutan-Expedition 1972 des Naturhistorischen Museums in Basel. Plecoptera.- *Ent. Basiliensis*, 2: 85-134.