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MOUNTAIN STREAM RESEARCH PROJECT STARTED IN AUSTRIA

The Lunz Biological Station of the Austrian Academy of Sciences in Lunz, Lower Austria, is well-known as a limnological research institute for over 70 years. It is the institute from which Franz RUTTNER's 'Fundamentals of Limnology' originated. Recently it was decided to devote the future work of the institute entirely to the study of mountain streams. The project called RITRODAT includes studies of two streams near the institute's building by many physical, chemical and biological methods, and also detailed comparative studies, particularly with emergence traps, on many other streams.

The present state of running water research is characterized by three main difficulties and by two recent findings. First, the traditional bottom sampling methods destroy the biotope and cannot therefore be used for small streams and brooklets. Second, these methods are not quantitative because they consider only the surface area, but not the depth of the sample. Third, the majority of animals in the stream bottom which are insect larvae cannot be identified to species in our present state of knowledge. The two new findings are: first, that detritivores play a much more important role in the stream biocoenoses than had been thought, and second, that indivuduals and biomass of animals in the bottom of streams are not concentrated in the upper few centimeters because it is now clear that the sediment is inhabited by many animals to a depth of at least one meter. The animals near the surface represent only a minor part of the total.

It is hoped that, despite of the small size of the institute, some important steps towards the understanding of mountain stream ecosystems will be made.

A detailed presentation of the project RITRODAT will be sent on request.

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LIST OF RESEARCH WORKERS ON TRICHOPTERA (continued from No.4)

Jean-François BONVALLOT Hydrobiologiste

9 rue des Carnutes, F - 45000 Orleans, France.

Present interests: Hydropsychidae, Polycentropodidae in River Loire. Previously studied: caseless caddis larvae, particularly Hydropsyche. Investigation area: Rivers Loire, Moselle, Seine.

Willing to identify for other workers: Caseless caddis larvae and adult Leptoceridae.

Material wanted: Adult males of Hydropsyche contubernalis, H.exocellata, H.bulgaromanorum, H.sinuata, Ecnomus tenellus.

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(Bonvallot contd.)

Information wanted: On ecology and taxonomy of Hydropsychidae.

Other activities and interests: Fish, stoneflies and mayflies from streams in relation to pollution caused by power plants.

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Guenter A. SCHUSTER

State Biological Survey of Kansas, The University of Kansas, 2045 Ave.A., West Campus, Lawrence, KS 66044, USA.

Present interests: Larval taxonomy of Hydropsychidae, revision of the genus Hydropsyche in North America, faunistic studies especially Kansas and Tennessee, systematics of the entire order.

Material wanted: North American larvae and adults of the genus Hydropsyche. Information wanted: Reprints on Trichoptera.

Other activities and interests: Faunistic and taxonomic studies of Crayfishes and freshwater mussels.

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Edmund SEDLAK, RNDr. Assistant lecturer

Department of Biology of Animals and Man, Faculty of Science, J.E.Purkyně University, Kotlářská 2, CS - 61137 Brno, CSSR.

Present interests: Mountain Trichoptera: Rhyacophilidae, Limnephilidae; Larvae and pupae, especially Rhyacophilidae and Hydropsychidae; food of the larvae. Previously studied: Larvae of Hydropsyche. Investigation area: Czechoslovakia, West Carpathians, Central Europe.

Willing to identify for other workers: Larvae and pupae of Central European Trichoptera.

Material wanted: Larvae and pupae (in cocoon) of: Rhyacophila pascoei, R.aurata, R.evoluta, R.torrentium, R.pubescens, R.hirticornis, R.glareosa, R.aquitanica.

Other activities and interests: Production of stream benthos; Plecoptera.

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John D.STARK Ph.D.Student

Department of Zoology, University of Canterbury, Christchurch, New Zealand.

Present interests: Life histories, trophic relations, taxonomy of Leptoceridae and Hydroptilidae; Light-trapping. Investigation area: New Zealand.

Material wanted: New Zealand Hydroptilidae.
Information wanted: Papers on life histories, feeding or light trapping of Trichoptera and Taxonomy (especially Hydroptilidae and Leptoceridae).

Other activities and interests: Ecology of thermal waters.

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John D.UNZICKER,Dr. Associate Taxonomist, Entomologist

Section of Faunistic Surveys and Insect Identification, Illinois Natural History Survey, Urbana, Ill. 61801, U.S.A.

Present interests: Systematic and ecological studies of Hydropsychidae. Previously studied: Internal female reproductive system; new species descriptions of Brachycentridae; phylogenetic relationships in Hydropsychinae.
Investigation area: North America.

Willing to identify Trichoptera material for other workers.

Other activities and interests: Ecology of Arachnida; Systematics and ecology of Plecoptera and Ephemeroptera.

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James V.WARD, Dr.

Department of Zoology and Entomology, Colorado State University, Fort Collins, Colorado 80523, U.S.A.

Present interest: Altitudinal distribution of stream Trichoptera, Trichoptera of springs.
Investigation area: Rocky Mountains (Colorado).

Information wanted: Reprints on Trichoptera ecology and distribution in mountain streams, springs and below lakes and impoundments.

Other activities and interests: The influence of impoundments on the ecology of streams, especially effects on community structure and life history of macrobenthos.

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CHANGE OF ADDRESS:

Dr.Gisli Mar Gislason, Institute of Biology, University of Iceland, Grensasvegur 12, Reykjavik, Iceland.

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: Trichoptera Newsletter

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