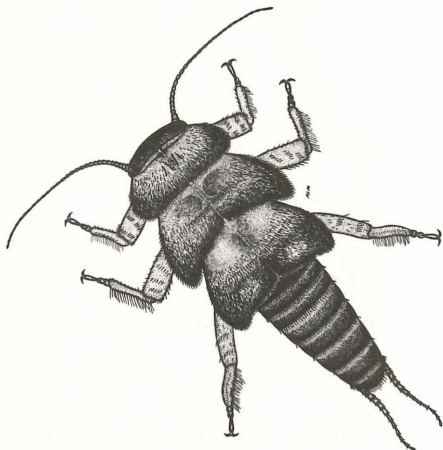


16. AUG. 1984



Ninth International Symposium

The Ninth International Symposium on Plecoptera will be held at Marysville, near Melbourne, Victoria, Australia in February, 1987. This will be the first Plecoptera Symposium to be held in the Southern Hemisphere. (For more information, see inside.)

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A Newsletter for Plecopterologists

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IN MEMORIUM

Joachim Illies (1925-1982)

On 3rd June 1982, our science lost one of its foremost proponents when Professor Joachim Illies died unexpectedly of a heart attack at Frankfurt/Main. He was born on 23rd March 1925 at Ketzin, near Berlin.

Joachim Illies was a born naturalist. Already as a school boy he gathered an important beetle collection and obtained detailed knowledge of the German Coleoptera. Although only few of his early papers are on this order, his interest in it persisted throughout his life. As a student of Adolf Thienemann, then head of the Hydrobiologische Anstalt der Max-Planck-Gesellschaft (the present Max-Planck-Institut für Limnologie), Joachim Illies worked on a small stream in northern Germany, Mölle. It was during this and subsequent work on the river Fulda that his interest in the badly neglected Plecoptera arose. No stonefly species had been named from Germany since 1923, until Illies' description of Isoperla goertzi, in 1951. The specific name acknowledges the generous support by count Otto Hartmann, Graf von Schlitz, genannt von Görtz. He had donated a stream research station at Schlitz, on a tributary of the river Fulda, to a group of enthusiastic students of limnology of which Joachim Illies was a member. The little laboratory was officially opened on June 4, 1951 and was successively extended to become the present

Limnologische Flusstation which is part of the Max-Planck-Institut für Limnologie at Plön. Joachim Illies had been the Director of the Flusstation from the start until his early death, except for a few years of work in the main laboratory at Plön.

There is no need to describe or list the stonefly work of Joachim Illies in detail here. Whoever works on the group comes across his name and contributions. His early interest and knowledge soon expanded to the world fauna. A year of collecting in South America, especially Chile (1958) was particularly stimulating. Collecting trips to Australia and New Zealand (1966) and to South Africa (1979) followed. Joachim Illies produced a wealth of papers on Plecoptera, these included individual descriptions as well as major synopses. A work known even to non-specialists is his fundamental catalogue of the recent stoneflies of the world.

Joachim Illies' main interest was always to promote science. He never believed to present the ultimate answer to a question but viewed his contribution as a point in an ongoing discussion. Consequently, he would always support other work, e.g., his students', regardless of whether or not they shared his views. Having had the privilege to work in his laboratory for many years, I have myself experienced his generosity many times.

Joachim Illies was an outgoing, most charming, charismatic personality. Quite naturally, he became the center of the group he joined, no matter which. During meetings and congresses, his paper

was invariably one of the highlights, scientifically as well as popularly because of his exceptional eloquence. He hosted two of the international stonefly symposia and attended all others except the one at Nara, Japan, because his doctor would not let him go. Those who have met him during these symposia will remember his ability to discuss whatever subject in a fascinating way, and usually with a sense of sparkling humor. Likewise, his university teaching (limnology, general ecology, zoogeography, methods and principles of systematic zoology) at Giessen, Kiel, and later also Kassel was not only scientifically rewarding, but in fact entertaining, an ideal combination of profound knowledge and unusual ease of presentation.

Much as Joachim Illies has contributed to our science, it would nevertheless be grossly incorrect to describe him only or even only mainly as an expert on stoneflies and other aquatic insects. He was a general limnologist (e.g., the rhithron-potamon-concept that he developed) and, indeed, his activities extended much further than average science. He did not only contribute to science, but took a critical interest in and was most concerned about the general effects that modern science (or rather its abuse) has on human life and thinking as a whole. He was opposed to the presently widespread belief that scientific thinking is the only legitimate or at least only reasonable way of thinking. In uncounted lectures, many papers and books as well as several plays he most ably dealt with the contact zones of science with philosophy and theology. He fought a passionate

fight against man's reduction to an object of zoology, and against the idea of man's origin as by-product of an accidental evolutionary process. Certainly, we who have mainly appreciated Joachim Illies' contribution to science and in particular to stonefly research are only a minority amongst those who do and will miss this exceptional personality.

Peter Zwick

The Ninth International Symposium on Plecoptera

The Ninth International Symposium on Plecoptera is to be held at Marysville, near Melbourne Victoria, Australia in February 1987. The dates will be arranged to follow the 23rd Congress of the Societas Internationalis Limnologiae at Hamilton, New Zealand, February 8-14. This will make the visit to Southern Australia and New Zealand worthwhile during the mild summer.

The Plecoptera Symposium is to be held February 19-22, 1987, and will be held in conjunction with the Fifth Ephemeroptera Conference on the topic of "Aquatic Insects and Riverine Forests." This will be followed by a one-day field trip with colleagues who study Ephemeroptera and then two days of papers solely on Plecoptera. Papers on any aspect of Plecoptera will be welcome, particularly those on Southern Hemisphere species. An extended field tour of Southeastern Australian streams will be available from February 23-28.

For additional information, please contact:

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Winter Stonefly Club Reorganized, December 1983

As many of you know, in the 1960's, Herbert H. Ross and William E. Ricker organized the interested biologists in North America into a group of winter stonefly collectors. This group became known as "The Winter Stonefly Club." They enjoyed getting out in the winter to collect on bridges and from the snow. The specimens that resulted from their efforts became the basis of several papers on stoneflies in the families: Capniidae, Leuctridae and Taeniopterygidae.

C. Riley Nelson, a doctoral student of R.W. Baumann, is beginning a revision of the genus Capnia in North America for his thesis study. He is in need of as many specimens from as wide a geographic coverage as possible. For this reason "The Winter Stonefly Club" has been reorganized.

A form letter was sent out to many colleagues in North America, especially the western portion, inviting them to become members of the club. The only prerequisite was the willingness to collect winter stoneflies and make them available for study.

In return all club members will receive our newsletter beginning Fall 1984, as well as encouragement and determination data.

Anyone that is interested in joining "The Winter Stonefly Club" and participating in this research effort is encouraged to write to:

R.W. Baumann or C.R. Nelson
Department of Zoology
Brigham Young University
Provo, Utah 84602

Plecoptera Trivia-A Short Quiz

Bill Stark

1. Identify the three workers who are members of the "Century Club" by virtue of having named over 100 valid stonefly species (as of Zwick 1973).
2. Who has proposed the greatest number of currently accepted stonefly generic names?
3. What stonefly family has the smallest number of known extant species?
4. Name 5 stonefly species which occur in both the Nearctic and Palaearctic regions.
5. Name the 4 stonefly species proposed by Thomas Say and identify the genus in which they were originally placed.
6. Identify a plecopterologist who has been honored by having 2 valid stonefly genera named for him.
7. Identify the plecopterologist whose stonefly publication record spans 56 years 1892-1948).
8. Wu's classic monograph of Chinese stoneflies was dedicated to the "Founder of Plecopterology". Identify this person.
9. Identify the plecopterologist who reported on stoneflies collected at Novaya Zemlya.
10. Give the biogeographic region where the genus Rhithroperla may be collected.



Recent Plecoptera Literature

This section includes the Plecoptera papers published since PERLA 5 was mailed as well as some additions of older literature. PERLA is published every two years and a literature section is included in every issue.

Please help us to make this section as complete and correct as possible by sending us copies of your publications and/or notes on errors found.

- ALLEN, J.D. (1982): Feeding habits and prey consumption of three setipalpiian stoneflies (Plecoptera) in a mountain stream. *Ecology* 63:26-34.
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ANSWERS TO STONEFLY QUIZ

1. Aubert (143), Klapalek (131), & Wu (120)
2. Ricker
3. Scopuridae
4. Diura bicaudata, D. nanseni, Arcynopteryx compacta, Nemoura arctica, & Podmosta weberi.
5. Isoperla bilineata, Pteronarcys dorsata, Paragnetina immarginata, & Alloperla imbecilla; (Sialis)
6. Illies and Pictet
7. Banks
8. Klapalek
9. Brinck
10. Neotropical (Chile & Argentina)

