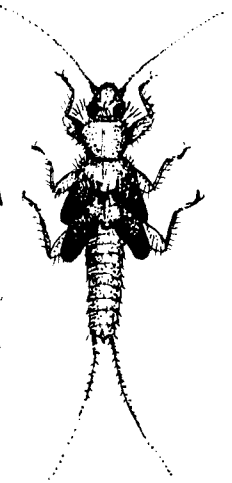
PERLA



September, 1974 No. 1

During the 4th International Symposium at Abisko, Swedish Lapland, in 1968, students of Plecoptera agreed that they should form an organisation. Publication of a newsletter, PERLA, was suggested to be the only formal expression of this organisation of Plecopterologists (be the term a tonguetwister - it is at least correct!). It is hoped that this newsletter will intensify contact and cooperation between people working on stoneflies and thereby promote research on these insects.

Here is the newly hatched nymphule of PERLA, just in time for the next symposium in Washington, D.C. this September. It might appear to be late to outsiders, but anyone familiar with the habits of many stoneflies should not be surprised. Only the first drumming signals (for details see RUPPRECHT, below) were heard at Abisko, but even after oviposition, development is often not straightforward and considerable spans of time may be spent in the dormant stages. In this particular case, the resting period has allowed for the establishment of a very useful transatlantic cooperation. It is hoped that PERLA will not take the habit of some forms (like the tiny capniid nymphs shown to us at Abisko by H.B.N. Hynes), and spend additional resting time after hatching, but instead will develop and grow continuously. The amount of interest in PERLA and the supply of "food" it receives in the form of notes and contributions from Plecopterologists all over the world will determine the frequency of "moults". At present, 1 issue per annum is anticipated.

You are all invited to contribute to future issues by sending notes on present activities, recently published papers, and material needed or offered, as well as notes on personal matters to the editors.

EDITORS' NOTE

PERLA is designed to be the plecopterologist's newsletter. It isn't a journal and shouldn't be regarded as such. It is an organ by which communication between those interested in Plecoptera can be improved.

This first issue is patterned after the very successful ephemeropterist's newsletter, Eatonia. Suggestions and comments about format and content are welcomed. This is your newsletter so let us hear what you think of it.

Send all comments and correspondence to either of the co-editors. Requests for placement on the mailing list should be directed to the Washington, D.C. address.

PERLA

A Newsletter for Plecopterologists

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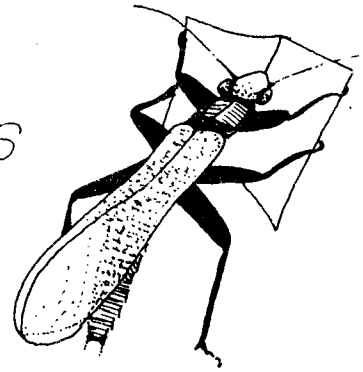
NEWS & NOTES



4th International Symposium on Plecoptera
July, 1968

The 4th International Symposium on Plecoptera was held in Abisko Turiststation in Swedish Lapland from 28-30 July, 1968. The invitation for this meeting of Plecopterologists and Ephemeropterists came from P. Brinck and S. Ulfstrand (both from Lund), who very carefully prepared the meeting and led it to a complete success. The isolated location of the Turiststation within the Abisko Nature Reserve ensured a maximum of contact between the more than 30 participants of the Symposium, who not only met for the sessions but practically had an all-day conference.

The location was also an ideal starting point for excursions to the nearby jokks, the adjacent mountains with their birch-tree-taiga and arctic meadows and to Lake Torneträsk. Though not particularly favored by the weather, these tours, especially the all-day trip to Mt. Nuolja, gave a good impression of the richness of the alpine flora, of living conditions in the arctic in general, and allowed for a good deal of collecting in the streams. A great number of Plecoptera were taken, including Diura bicaudata (L.) (mainly on the shore of Lake Torneträsk) Isoperla obscura (Zett.), Capnia atra Morton and Nemoura arctica Esben-Petersen being the most common species.

On one of the tours, a visit was paid to the neighboring village of Abisko where the laboratories of the Biological Station of the University of Lund are located. The leader of the station gave an account of their scientific activities in the far north and showed the station's facilities.

With the use of station facilities, H.B.N. Hynes showed diapausing nymphs of Allocapnia vivipara (Claassen) (see also: P.P. Harper and H.B.N. Hynes (1970): Diapause in the Nymphs of Canadian winter Stoneflies. -Ecology 51 (5): 925-927). J. Illies also exhibited specimens, which presently are the types of a new species (1968: The First Wingless Stonefly from Australia. -Psyche 75 (4): 328-333).

Most of the Symposium, however, was spent in the meeting hall, where a series of papers were presented. The following is a list of titles and publications containing all or most of the data presented at the Symposium.

BENEDETTO, L.A. (1969): A new species of stonefly of the family Gripopterygidae (Plecoptera) from Uruguay. -Beitr. Neotrop. Fauna 6 (2): 145-151. (read by Froelich).

_____ (1970): Notes about the Biology of Jewettoperla munoai Benedetto (Plecoptera Gripopterygidae). -Limnologica (Berlin) 7 (2): 383-389. (read by C.G. Froehlich).

BERTHÉLEMY, C. (1966): Recherches écologiques et biogéographiques sur les Plécoptères et les Coléoptères d'eau courante (Hydraena et Elminthidae) des Pyrénées. -Annls. Limnol. 2: 227-498.

BRETSCHKO, G. Experimentelle Untersuchungen zur Larvalentwicklung von Siphlonurus aestivalis in Abhängigkeit von Photoperiode und Temperatur.

CONSIGLIO, C. The groups of species in the genus Leuctra. (Plecoptera) (copies of this so far unpublished manuscript have been distributed).

ELLIOTT, J.M. Spatial distribution of Baëtis rhodani.

GEIJSKES, D.C. Ecological observations on Plecoptera in Surinam.

HUMPESCH, U. Plecoptera-Befunde aus Österreich (by G. PLESKOT & U. HUMPESCH).

HYNES, H.B.N. (1968): The Scientific Results of the Hungarian Soil Zoological Expedition to the Brazzaville Congo. 36. The Plecoptera species Neoperla spio (Newman). -Opus. Zool. (Budapest) 8 (2): 353-356.

ILLIES, J. (1969): Revision der Plecopterenfamilie Austroperlidae. - Entomol. Ts. 90 (1-2): 19-51.

McLELLAN, I.D. (1967): Revision der Plecopterenfamilie Austroperlidae.- Trans. R. Soc. N.Z., Zool., 9 (1): 1-15.

_____ & M.J. WINTERBOURN (1968): A New Genus of Notonemourinae (Plecoptera: Capniidae) from New Zealand. - Ibidem, 10 (13): 127-131.

MIRON, I. Nouvelles observations sur la phénophase de la mue chez les Plécoptères.

RAUŠER, J. (1971): A contribution to the question of the distribution and evolution of plecopterological communities in Europe. - Acta faun. ent. Mus. nat. Pragae 14 (158): 33-63.

RIEK, E.F. Ecology of Australian stonefly nymphs.

RUPPRECHT, R. (1969): Zur Artspezifität der Trommelsignale der Plecopteren (Insecta). -Oikos 20 (1): 26-33.

SHELDON, A.L. (1969): Size Relationships of Acroneuria californica (Perlidae, Plecoptera) and its Prey. - Hydrobiologia (Berlin) 34: 85-94.

ULFSTRAND, S. (1969): Ephemeroptera and Plecoptera from River Vindelälven in Swedish Lapland. With a Discussion of the Nutritional and Competitive Factors for the Life Cycles. - Entomol. Ts. 90 (3-4): 145-165.

ZWICK, P. (1973): Insecta: Plecoptera Phylogenetisches System und Katalog. -Das Tierreich 94: I-XXXII, 1-465.

A. NEBOISS showed his film on Eustheniidae and his slides from Tasmania, mainly of the Lake Pedder area, now drowned in a hydropower scheme.

No mention can here be made of several informal talks and contributions as well as of the many interesting discussions, which all helped to make the Symposium in Abisko a memorable and rewarding meeting.

P. Zwick

5th International Plecoptera Symposium
September 3-6, 1974, Washington, D.C.

After four meetings in Europe: Lausanne, Switzerland, 1956; Vienna, Austria, 1960; Plön, Germany, 1963; and Abisko, Sweden, 1968, the first international meeting of plecopterists in North America is about to become a reality.

Response to the invitation circular sent out during the Fall of 1973 has been very encouraging. More than sixty application blanks have been returned and many people indicate that they will be bringing collegues or family members.

The symposium will include two daily sessions on September 3-5 and a field excursion to the Shenandoah Mountains on September 6. A plecopterists' luncheon is also planned for September 4.

Judging from the titles submitted, the symposium will be very interesting and educational. It will serve as an excellent opportunity for young workers to meet collegues and gain ideas and knowledge for future endeavors.

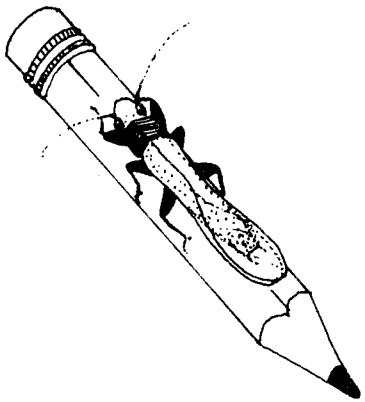
The proceedings of the symposium will be published in a condensed form. Those unable to attend but interested in the proceedings should write to Dr. Richard W. Baumann, organizing chairman.

R.W. Baumann

BULLETIN BOARD

WANTED: Nemouridae from North America, especially adults and mature nymphs of the genera Amphinemura and Malenka. Will also accept unidentified Nemouridae. R.W.Baumann, Entomology Department, Smithsonian Institution, Washington, D.C. 20560

NOTICE: The Bulletin Board is available to all Plecopterists and short requests and advertisements are encouraged. All insertions are carried for one issue only unless otherwise noted.



RECENT PLECOPTERA LITERATURE

Compiled by R.W. Baumann
and R.F. Surdick

Plecoptera literature since 1950 and not included in the volumes by Illies (1966) and Zwick (1973) is listed.

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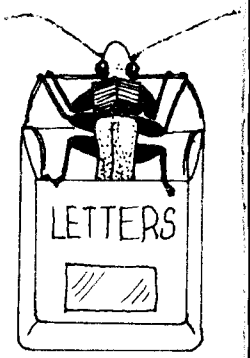
ADDRESSES



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