

**PERLA**  
**Annual Newsletter and**  
**Bibliography of**  
**The International Society of**  
**Plecopterologists**



*Hansonoperla appalachia* Nelson  
A rare eastern Nearctic perlid stonefly  
Photograph by Bill P. Stark

**PERLA NO. 23, 2005**

Department of Bioagricultural Sciences  
And Pest Management  
Colorado State University  
Fort Collins, Colorado 80523 USA

## PERLA

**Annual Newsletter and Bibliography of the  
International Society of Plecopterologists**  
Available on Request to the Managing Editor

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## TABLE OF CONTENTS

PERLA Subscription Policy.....	2	
Report on the 2004 Joint Meeting of the XI International Conference on Ephemeroptera and XV International Symposium on Plecoptera.....	3	
2004 Lifetime Achievement Awards.....	11	
Publications of Richard W. Baumann.....	17	
Publications of Bill P. Stark.....	22	
Announcements		
Eighth North American Plecoptera Symposium, 18-21 May 2006.....	35	
International Joint Meeting of the XII International Conference on Ephemeroptera and XVI International Symposium on Plecoptera from 8- 14 June 2008.....	39	
Other meetings of interest.....	39	
New home for North American stonefly website.....	40	
Current research on Plecoptera.....	40	
Obituaries		
Wolfgang Joost.....	43	
Hans Mendl.....	49	
New on-line journal, <i>Illiesia</i> , International Journal of Stonefly Research.....		54
Recent Plecoptera Literature.....	55	

**After 12 years of dedicated service to our Society,  
Managing Editor Dr. Kenneth W. Stewart and his able  
Editorial Assistant and Copy Editor, Francene Stewart  
have decided to “retire” from their duties. The Society owes  
both of them immense gratitude for their long hard work.  
We thank you Ken and Francene. I hope I can fill their  
footsteps.**

B. C. Kondratieff

## PERLA SUBSCRIPTION POLICY

Dues for membership in the International Society of Plecopterologists are \$15 U.S. per year. Members will automatically receive PERLA. Libraries or other institutions may receive PERLA by making a \$10 annual donation, or through an exchange of publications agreement approved by the Managing Editor and Editorial Board. Five dollars (\$5) of the dues will become part of the Scholarship Fund of the Society, to be used for helping active and deserving workers or students participate in future symposia.

Persons or institutions who have no support or are financially unable to pay dues may continue to receive PERLA by writing a brief note to the Managing Editor requesting a waiver of dues and to be retained on the mailing list.

It is therefore important that you respond to this receipt of PERLA 23 (2005) in one of the following ways, in order to be kept on the mailing list for PERLA 24 (2006): (1) pay your annual dues, (2) make a \$10 donation (institutions), or (3) request a waiver. A form and self-addressed envelope are included with this issue, (PERLA 23) for your convenience in responding. **NO CREDIT CARD CHARGES CAN BE ACCEPTED.**


You may send your dues or donation in the form of a personal check, bank note, cashier's check, or postal money order designated in U.S. funds to the Managing Editor. Because of high bank costs for exchange in some countries, you may send cash, in which case the Managing Editor will respond with a personal acknowledgment if it is received.

Dues and donations are used to help pay the costs of publishing and mailing PERLA, for Lifetime Achievement Award plaques presented by the Society at International Symposia and for the Scholarship Fund. The Managing Editor will make a financial report to the International Committee at each International Symposium Business Meeting or at any other time when requested.

Members or institutions whose dues remain unpaid for two consecutive years, or have not been granted exchange, waiver or emeritus status, will be dropped from the PERLA mailing list.

The XI International Conference on Ephemeroptera and the XV International Symposium on Plecoptera was held on August 22-29, 2004 at the University of Montana's Flathead Biological Station, USA. The Conference Convenors were professors Jack A. Stanford and F. Richard Hauer, Flathead Lake Biological Station, University of Montana. The Organizing Committee also included: Sue Gillespie, Marie Kohler, Judy Maseman, Jeremy Nigon, and Don Schenck. Everyone is thanked heartily for their efforts in making this meeting a great success.

2004 Joint Meeting



## 2004 Joint Meeting Schedule

XI INTERNATIONAL CONFERENCE ON EPHEMEROPTERA  
XV INTERNATIONAL SYMPOSIUM ON PLECOPTERA

*August 22-29, 2004*

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### BELOW IS THE PLECOPTERA PROGRAM:

August 22.	16:00-21:00	Arrival and Registration
	18:00-19:00	Dinner
	20:00	Permanent Committee Meeting
	20:00	Evening Mixer

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August 23.	7:30-8:30	Breakfast
	8:30	Registration
	9:30	Opening and Welcome by Profs. Jack Stanford and Richard Hauer
	10:30	Plenary Presentation – Dr. John Brittain,

		University of Oslo, Norway – <i>Mayflies in a Changing World</i>
	12:15	Lunch (at FLBS)
	14:00-17:00	Oral Contributed Papers - Ephemeroptera
	17:00-17:45	Poster Contributed Papers- Ephemeroptera
	18:00	Dinner
	19:00	Evening Mixer
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August 24.	7:30-8:30	Breakfast
	9:00-12:00	Oral Contributed Papers - Ephemeroptera
	12:15	Lunch
	14:00-14:40	Oral Contributed Papers – Ephemeroptera
	14:40-15:45	Poster Presentations – Ephemeroptera
	16:00	Boat Tour on <i>Jessie B</i>
	18:00	Dinner
	19:00	Evening Mixer and Silent Auction
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August 25.	7:00	Breakfast
		Lunch Packup for mid-congress participants (at FLBS)
	8:00	Leave Biological Station for Field Trip to Nyack Flood Plain Research Natural Area
	19:00	Dinner and Evening Mixer
<hr/>		
August 26.	7:30-8:30	Breakfast
	9:00	Plenary Presentation - Dr. Andrew Sheldon – <i>Scale, Hierarchy and Perspectives in the Ecology of Plecoptera</i>
	10:40-12:00	Oral Contributed Papers - Plecoptera
	12:15	Lunch
	14:00-16:40	Oral Contributed Papers - Plecoptera
	16:40-17:45	Poster Contributed Papers - Plecoptera
	19:00	Conference Dinner and Presentation by William Swaney followed by evening boat tour on the <i>Jessie B</i>

August 27.	7:30-8:30	Breakfast
	9:20-10:40	Oral Contributed Papers - Plecoptera
	11:00-12:00	Oral Contributed Papers - Plecoptera
	12:15	Lunch )
	14:00-14:40	Oral Contributed Papers - Plecoptera
	14:40	Ephemeroptera and Plecoptera Concluding Speech
	15:00-16:15	Poster Contributed Papers – Plecoptera
	16:30	Boat Tour on <i>Jessie B</i>
	18:00	Dinner
	19:00	Evening Mixer and Special Awards
<hr/>		
August 28.	7:30-8:30	Breakfast
	9:00	Taxonomy Fair – Ephemeroptera and Plecoptera (Bring your unknown / unique aquatic insects)
	12:00	Conference Adjourned
	12:15	Lunch (at FLBS)
	14:00	Leave for Post-Meeting Trip to Glacier National Park.
<hr/>		
August 29.	6:00	Depart Glacier Park Lodge in East Glacier for 18-mile guided hiking tour of the high country of Glacier National Park

## XV INTERNATIONAL SYMPOSIUM ON PLECOPTERA

**Presentation Schedule****Stonefly Oral Presentations****Thursday, Aug. 26**

09:00-10:00	Sheldon, A.L.	<b>PLENARY</b> - Scale, hierarchy and perspectives in the ecology of Plecoptera.
10:40	Terry, M. D.	Phylogeny of Plecoptera: Molecular and morphological Evidence

11:00	Froehlich, C.G.	Notes on old Neotropical Plecoptera (Insecta).
11:20	Nelson, C. R.	The genus <i>Utacapnia</i> (Plecoptera: Capniidae), a scanning electron microscopy study of the male epiproct with phylogenetic and zoogeographic implications.
11:40	Zwick, P.	New family characters of larval Plecoptera.
14:00	Stark, B.P.	<i>Cerconychia sapa</i> (Plecoptera: Styloperlidae), a new stonefly from Vietnam.
14:20	Jacobi, G. Z.	Zoogeographic affinities of Southwestern Plecoptera.
14:40	Tixier, G.	Plecoptera response to acidification in several headwater streams in the Vosges mountains (North-Eastern France)
15:40	Jin, Y.H.	Systematic review of the wingless stonefly family Scopuridae (Plecoptera)
16:00	Surenkhorloo, P	A taxonomic study of the Mongolian species of <i>Isoperla</i> (Plecoptera: Perlodidae)
16:20	Hauer, F.R.	Airborne hyperspectral remote sensing and the evaluation of river habitats for invertebrate production.

**Friday, Aug. 27**

09:20	Chilcote, S.	Diversity of Ephemeroptera and Plecoptera genera in floodplain ponds
09:40	Baumann, R. W.	What is <i>Bolshecapnia sasquatchi</i> Ricker? and the description of a new species from Montana
10:00	Béthoux, O.	Are the Paleozoic 'Protoperlaria' related to Plecoptera?

10:20	Szczytko, S.W.	Egg morphology of the Nearctic Isoperlinae (Plecoptera; Perlodidae).
11:00	Miserendino, L.	Life histories, abundance and distribution of stoneflies in the Flathead River Basin Montana (USA): continuity over 30 years.
11:20	Nesterovitch, A.I.	The larval development of <i>Nemurella pictetii</i> Klap. (Plecoptera: Nemouridae) in the laboratory at different temperature and photoperiod.
11:40	Giersch, J.J.	Correlations Between temperature and Plecoptera communities in alpine streams at Logan Pass, Glacier National Park, Montana
14:00	Stanford, J.A.	Ecology of groundwater stoneflies in the Flathead Basin, Montana.
14:20	Newell, R.L.	The Plecoptera of Glacier National Park and the Flathead River Basin, Montana, U.S.A.

**Stonefly Poster Presentations**

**Thursday, Aug. 26 16:40-17:45**

Earle, J. I.	Stoneflies (Plecoptera) of the Susquehanna River, Pennsylvania, USA, a potential reference station for shallow free-flowing rivers in the mid-Atlantic region.
Isobe, Y.	Stonefly eggs in sandy shore of a mountain stream
Polegatto, C.	Morphological adaptations of stonefly and mayfly nymphs to life in riffles
Sandberg, J. B	Capacity for extended egg diapause in six <i>Isogenoides</i> species (Plecoptera: Perlodidae)

*Friday, Aug. 27 15:00-16:15*

- |                  |  |
|------------------|--|
| Kishimoto, T. K. | Emergence pattern of <i>Scopura longa</i> (Plecoptera, Scopuridae)                                   |
| Loskutova, O.A.  | Life cycles, growth and production of two Plecoptera species   |
| Stewart, K.W.    | Nymphs of Western Nearctic <i>Sweltsa</i> species (Plecoptera: Chloroperlidae)                       |
| Tamura, F.       | SEM observations on five types of pinnate setae on the larval legs of <i>Neoperla</i> sp. (Perlidae) |
| Yoshimura, M.    | Comparison of adult stonefly behavior between before and after mating under keeping condition.       |



Members of the 2004 Ephemeroptera-Plecoptera Joint Meeting enjoying the field trip to the Nyack Flood Plain Research Natural Area led by Dr. Jack A. Stanford and Dr. R. Richard Hauer.



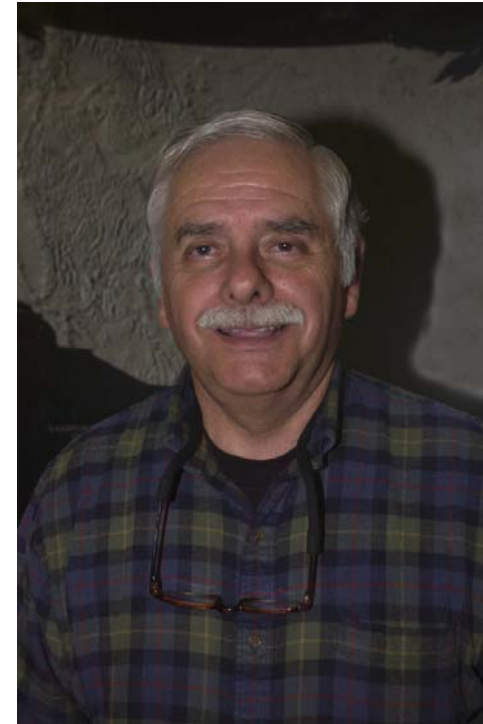


CONFERENCE AND SYMPOSIUM PARTICIPANTS

## 2004 LIFETIME ACHIEVEMENT AWARDS

The International Committee continued the practice begun at the XI Symposium in Treehaven, Wisconsin, USA, of presenting Lifetime Achievement Awards to Plecopterologists who have made exemplary contributions to our field over their professional lifetimes. Previous awards have been made to Noel Hynes, Bill Ricker (announced in Perla 11), Jacques Aubert, Teizi Kawai, Ian McLellan (announced in Perla 14), Claudio Froehlich, Lidija Zhiltzova, Peter Zwick (announced in Perla 17), Kenneth Stewart, Elisabetta Dematteis Ravizza, and Carlaberto Ravizza (announced in Perla 20). Adding to this distinguished list of scientists, the International Committee awarded Lifetime Achievement Awards in 2004 to professors Richard W. Baumann and Bill P. Stark. Presentors of the award to Richard Baumann and Bill Stark were professors Boris Kondratieff and Kenneth Stewart, respectively.

**Photographs below were taken by Dr. C. Riley Nelson.**



**Lifetime Achievement Awardee:  
Dr. Richard W. Baumann**



**Lifetime Achievement Awardee: Dr. Bill P. Stark**



**Ken Stewart with awardees Bill Stark and Dick Baumann.**



**Dr. Andrew Sheldon with his special award.**



**Convener Dr. Jack Stanford making one of his many points about hyporheic stonefly ecology.**





**Arnold H. Staniczek.** The convener of our next symposium in 2008.



**Peter Zwick** enjoying the hyporheic larvae of *Isocapnia* and *Paraperla*.  
**Purevdorj Surenkhorloo** in the background admiring the master!



**Claudio Forehlich** dreaming about *Anacroneria*!



**Stan Szczytko** thinking about *Isoperla*.



**Jane Earle** sharing an interesting fact about her Pennsylvania stoneflies with **Dick Baumann**.

## **The Publications of Dr. Richard W. Baumann**

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#### **The Publications of Dr. Bill P. Stark**

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## ANNOUNCEMENTS

### EIGHTH NORTH AMERICAN PLECOPTERA SYMPOSIUM

18-21 MAY 2006

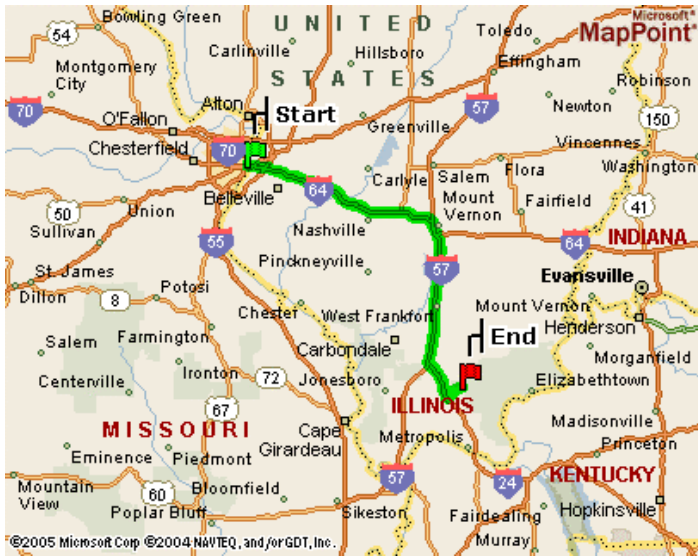
Conference Co-Organizers, Dr. R. Edward DeWalt and Dr. Donald W. Webb

Hosted by the Illinois Natural History Survey and the University of Illinois  
Dixon Springs Agricultural Experimental Station,  
Rt. 1, Box 256, Simpson, Illinois 62985. 618-695-2441

#### Tentative Schedule:

- Thursday night (18 May)-registration, preconference greetings, program on the natural history of the Shawnee Hills.
- Friday (19 May)-symposium papers and posters.
- Saturday (20 May)-AM symposium papers, PM field trip to Lusk Creek and other sites.
- Sunday (21 May)-AM business meeting, establish 2009 site. Adjourn

**Location:** The Shawnee Hills are an ancient vaulted area with many seasonal and permanent streams. This is the richest Illinois natural division for stoneflies and hosts many famous collecting locations, including Lusk Creek, Burden Falls, Hutchins Creek, and Bell Smith Springs. The weather at this time of year is usually pleasant, with temperatures in the 70s and 80s, with moderate humidity. It should be good weather for light trapping. The station is located in Pope County, Illinois. Regional (St. Louis area) and local scale maps are provided. Exit Interstate 24 at Vienna and travel east on IL-146 approx. 10.5 mi, turn north on IL-145 and proceed 3.5 mi N to the station. It is on the east side of the road. Come to the dormitory next to the pavilion and picnic benches for registration.



**Lodging:** The station has dormatory style housing at very low prices. Rooms in the main dormatory have private baths (\$15/night/person for double or triple occupancy) or shared bathrooms (\$13/night/person, double occupancy). Additionally, there are two houses with 14 and 11 beds (multiple occupancy) and shared bathrooms. These rooms run \$15/night/person. Motels are 14 miles away in Vienna for those who wish better accommodations: **Ramada Inn**, 709 E Vine St, Vienna, IL, 618-658-6300; **Budget Inn**, 1420 State Route 146 E, Vienna, IL (2.41 miles away),

618-658-2802. The Ramada Inn is definitely the better of the two.

**Meals:** This is a relatively remote location, so meals will be included, at a reasonable cost, in the price of registration. Mark Wetzel and Don Webb have volunteered to put on a great feed using the kitchen facilities in the main dormatory. Please indicate if you have food allergies or preferences (vegetarian or vegan).

**Field Trip:** Don Webb and Ed DeWalt will lead a caravan of vehicles to Lusk Creek and other locations on late Saturday morning. Time of departure depends on the number of presentations that morning. We will also lead a trip back to Lusk Creek, or other locations, for evening light trapping. This area routinely yields large numbers of *Acroneuria filicis* and a few *A. frisoni*, as well as other species.

**Paper and Poster Sessions:** We are planning a brief presentation on Thursday evening, 8 pm, entitled "The Natural History of the Shawnee Hills Area". Two sessions are planned for Friday and one for Saturday AM. Posters may be set up at any time beginning Friday morning, but must be down by noon Sunday.

**Abstract Format for Papers and Posters:** Please submit abstracts as MS Word or Word Perfect files in rich text format. Posters are limited to 3x4 ft. Please include the following:

- Brief, descriptive title
- Authors, addresses, emails
- Abstract of 300 words or less.
- Clear indication of preference for poster or oral format
- If oral, we can accommodate PowerPoint on LCD projector and Slide Projector formats. Indicate your choice.

**Other Activities or Presentations:** We will accommodate other activities or presentation formats that are beneficial to the symposium. Please give us some advance notice of these needs.

Submit Abstracts via email to [edewalt@inhs.uiuc.edu](mailto:edewalt@inhs.uiuc.edu). Email submission is preferred, but you may also send a hardcopy to Dr. R. Edward DeWalt, Illinois Natural History Survey, 607 E. Peabody Dr., Champaign, IL 61820, 217-244-7515.

EIGHTH NORTH AMERICAN PLECOPTERA SYMPOSIUM  
18-21 MAY 2006

Hosted by the Illinois Natural History Survey and the University of Illinois  
Dixon Springs Agricultural Experimental Station,

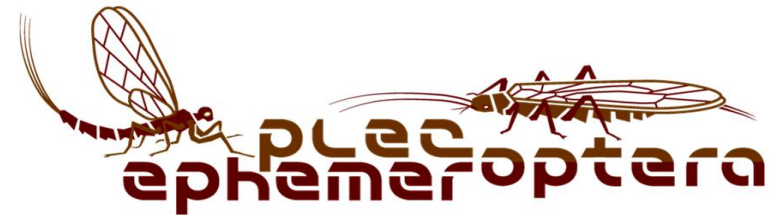
## Registration

Name: \_\_\_\_\_ Affiliation \_\_\_\_\_  
 Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_  
 Zip: \_\_\_\_\_ Country: \_\_\_\_\_ Telephone: \_\_\_\_\_  
 Email: \_\_\_\_\_

### Fees in USD

Housing: twin beds, linens, pillows, towels, soap provided.	Nights	Cost
Room with private bath (total of four rooms, reserved for those with spouses attending, double or triple occupancy) \$15/night/person		
Room with shared bath in dormitory (double occupancy), \$13/night/person		
Rooms in one of two houses, shared baths, multiple occupancy, \$15/night/person		
	Cost	Amount
Thursday Dinner	8	
Friday, all meals and snacks	22	
Saturday, all meals and snacks	22	
Sunday, breakfast, lunch	10	
Commemorative Tee Shirt: Circle size: S M L XL XXL	15	
Total		

Please make check payable to the University of Illinois (Tax ID Code 37-6000511) and write in the memo field 2006 NAPS Meeting. Send check and registration form to Dr. R. Edward DeWalt, Illinois Natural History Survey,



International Joint Meeting 2008  
 XII International Conference on Ephemeroptera  
 XVI International Symposium on Plecoptera  
 Staatliches Museum für Naturkunde  
 Stuttgart, Germany

**Dr. Arnold H. Staniczek**, *Curator*, Department of Entomology, Staatliches Museum für Naturkunde, Stuttgart, Germany ([stanieczek.smn@naturkundemuseum-bw.de](mailto:stanieczek.smn@naturkundemuseum-bw.de)) has graciously agreed to host the International Joint Meeting of the XII International Conference on Ephemeroptera and XVI International Symposium on Plecoptera from 8-14 June 2008. The Conference website is now online <http://www.naturkundemuseum-bw.de/stuttgart/projekte/jointmeeting08/>  
**IT IS NOT TOO EARLY TO START PLANNING TO ATTEND!**

### OTHER MEETINGS OF INTEREST

The joint North American Benthological Society and American Geophysical Union meetings (23-27 May 2005) at Morial Convention Center, New Orleans, Louisiana. .

4th International Meeting on Plant Litter Processing in Freshwaters (25-28 July 2005) in Toulouse, France.

4th Biennial Freshwater Mollusk Conservation Society Symposium, May 15- 18, 2005, Radisson Riverfont Hotel, St. Paul, Minnesota

New Currents in Conserving Freshwater Systems, Thursday and Friday,

April 7 and 8, 2005. American Museum of Natural History, New York.

Tenth International Symposium on Tardigrada - Catania, Italy, 18-23 June 2006.

26th Annual International Wetlands Meeting - Coastal Plain Wetlands: Ecological, Landscape, and Regulatory Transformations, Charleston, South Carolina USA, 5-10 June 2005

Meeting of the European branch of the Society of Environmental Toxicology and Chemistry (SETAC), Lille (France), 22-26 May 2005

### **NEW HOME FOR NORTH AMERICAN STONEFLY WEBSITE**

The website listing all North American stonefly species has a new name and site: "North American Stonefly (Plecoptera) Complete List" and the authors are Stark, B. P. and R. W. Baumann. 2005.

The list can be accessed in one of two ways: To go directly to the list the address is: <http://mlbean.byu.edu/plecoptera/list.asp> and to go from the website use <http://mlbean.byu.edu/plecoptera> and then click on Stonefly List.

### **Current Research on Plecoptera**

#### **Dr. Richard W. Baumann**

1. Revision of the genus *Malenka* with Boris Kondratieff
2. Studies on the stoneflies of Ohio with Fred Kirchner, Ed Dewalt and Brian Armitage

#### **Dr. Ken W. Stewart, University of North Texas.**

1. Collection of stoneflies from the Canadian Province of Nunavut were continued through 2004. An eventual paper on the stoneflies of that province will result with Donna Giberson of University of Prince Edward Island.
2. A book "Stoneflies of Alaska and Western Canada" is expected to be published in late 2005 with co-author Mark Oswood of the University of Alaska, Fairbanks. The book will cover a historical perspective of stonefly studies and records for this northwestern corner of North America, and have illustrated adult keys to all 155 species and generic keys to regional nymphs.

3. Ken and Bill Stark have a paper in press in Trans. Amer. Entomol. Soc. on nymphs of selected *Sweltsa* species. Ken will attempt to rear most southern Rocky Mountain species in summer of 2005.

4. John Sandberg finished his PhD requirements in October, 2004, and he and Ken have publications in press on the extended egg diapause and drumming of *Isogenoides* species, and a submitted manuscript on holomorphology and systematics of the genus *Isogenoides*. John's doctoral committee included Boris Kondratieff and Stan Szczytko.

5. Ken is working with Eugene Drake to rear and describe the nymphs of rare stonefly species of southern California. Ken will be collecting in the Los Angeles area in April, 2005.

6. Ken is working on a manuscript diagnosing the nymphs of *Taenionema* species, which is the result of a 15 -year project of rearing, and collaboration with several colleagues.

7. Ken and Bill Stark are revising and updating the Plecoptera Chapter for the upcoming 4th Ed. of the Merritt and Cummins book "An Introduction to the Aquatic Insects of North America".

8. A chapter on "Vibrational Communication and Mate Searching Behavior in Stoneflies" by Ken Stewart and John Sandberg will soon be published in a CRC book entitled "Insect Sounds and Communication".

Progress report of Stonefly study of Mongolia

**Purevdorj Surenkhorloo "Puje"**, P.O.Box 1237, Ulaanbaatar 13, MONGOLIA; e-mail: [s\\_purevdorj@num.edu.mn](mailto:s_purevdorj@num.edu.mn) or [ospur@yahoo.com](mailto:ospur@yahoo.com) is currently researching the Stoneflies of West Khentii, Northern Mongolia as part of a benthic insect study on the Eroo river. To mention briefly, when I was a bachelor student at NUM I attended the first training course on aquatic insects in Mongolia, taught by Prof.Dr. John C.Morse (Clemson). This is where I learnt basic aquatic insect classification skills. I remembered those inspiring times. Further material in the form of useful newsletters and photocopied materials on Stoneflies were sent to me by Prof.Dr. Bill Stark (Clinton). Later, I decided to study the Stoneflies of Mongolia and acquired further experience in Vladivostok, Russia, working with Dr. Valentina Teslenko for one month. I have since worked at Mongolian Isoperlinae with Prof.Dr. Peter Zwick at Schlitz, Germany from April to May in 2003 and four weeks during November 2003 and January 2004. We presented this joint research at the International Joint Meeting (Ephemeroptera and Plecoptera) in Montana, USA in August 2004 (Zwick and Surenkhorloo, in press). I found doing a presentation, reading other peoples posters and talking to other scientists a very stimulating experience. I feel that the experiences gained will be useful and great progress for my future Stonefly

studies. Consequently, I am very grateful to all those, all over the world, studying Stoneflies or other insects!

For today, I have finished my Masters degree 4 years ago, where I updated the previous list of recorded Stonefly species in Western Khentii, Mongolia. The past few summers have been spent at the “Khonin Nuga” field station with Prof.Dr. Michael Mühlenberg (Göttingen), where I have continued my study on Stoneflies. Most of my research material was collected from the field station.

I would be very interested to get in contact and possibly work with other scientists in my field, as I would like to further develop my skills in Stonefly research. Therefore, I would very much appreciate your help and advice! It would be great if you could provide me with relevant published materials about Mongolia and specimens collected from Mongolia by yourself or colleagues, for example from museum collections.

**Boris C. Kondratieff**

1. With Dr. Richard W. Baumann, the Nearctic species complex of *Kogotus* is being reviewed.

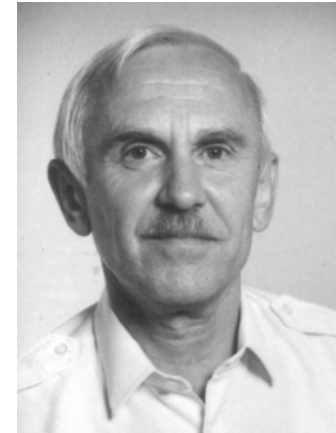
2. With Robert Zuellig and Ralph F. Kirchner, six species of Nearctic *Perlesta* are being described.

**Bob Zuellig, Barry Poulton**, and Boris Kondratieff are working on the stoneflies of Missouri. If anyone has specimens from Missouri, especially from areas north of the Missouri River, please send them to the address below so they can be included in our manuscript. All specimens will be well cared for and returned.

## Obituaries

In memoriam

**Dr. WOLFGANG JOOST** (6.12.1937-2.4.2004) <sup>1</sup>



We very much regret the early death of WOLFGANG JOOST, a good colleague and enthusiastic student of aquatic insects, mainly of Plecoptera and several families of Diptera. He leaves his wife MONIKA and three children.

WOLFGANG JOOST was born in rural Cobbelsdorf/Anhalt where he went to school. His father had died in war, his mother had to earn the family income and raised WOLFGANG and his two younger siblings. After elementary school he learned the profession of a ship-builder in the shipyard at Rosslau and worked in this profession until 1957. After work hours, he took adult education classes and obtained university entrance. From 1957 -1960 he was a student of museology and graduated at the Weißenfels highschool. In 1961, after a short time at the science museum in Chemnitz (then Karl-Marx-Stadt) WOLFGANG JOOST moved to the Museum der Natur at Gotha where he worked as Zoologischer Präparator. He continued his professional education at the same time and eventually became head of this department. Several large, very attractive models of insects (which are precise to microscopic details!) which he created during this time are splendid evidence of his ever increasing interest in entomology.

Parallel to his work in the museum he was an external student of biology at the Pädagogisches Institut Weißenfels and obtained the degree of a biology teacher in 1969. Already in 1970 he continued as an external student of



biology at the Humboldt University Berlin. WOLFGANG JOOST developed an interest in benthic biology and was inspired by work of Joachim ILLIES at Schlitz. Studies of the stream Emse earned W. JOOST the degree of Diplombiologe (MSc). Research on other streams in the Thuringian Forest followed, for example emergence trap studies on the stream Spitter, which were conducted with colleagues. WOLFGANG JOOST was instrumental in turning the Museum der Natur at Gotha into a center of mountain stream research. In 1978, he followed an invitation to work as scientific assistant, later as curator, in the department of taxonomy and ecology at the Karl-Marx University in Leipzig. However, again in addition to his professional duties, he continued his stream studies. In 1983, this work earned him and his colleague WOLFGANG ZIMMERMANN a Dr Sci.

WOLFGANG JOOST had a very strong interest in nature, great enthusiasm for science and worked very hard and ambitiously to achieve his goals. However, in some ways his life is also characteristic of the situation in post-war East Germany. For example, his step-by-step scientific education was not entirely his choice. When we first met, he bitterly complained that he had been denied permission to be a doctoral student, although later he was fortunately granted permission. Our first meeting was by chance while I visited the Naturkundemuseum der Humboldt Universität in East Berlin, with a tourist visa. One can see the Thuringian Forest near Gotha from the hills at Schlitz, but we were separated by the Iron Curtain and could not meet again. Later, citizens of the Federal republic were allowed day visits to bordering counties of the German Democratic Republic which allowed me day visits to the hospitable home of family JOOST. However, at that time I was asked to keep this a secret, and visits in the opposite direction were out of question.

During these few visits I learned of WOLFGANG JOOST's admiration of an early explorer, CASPAR SCHMALKALDEN, and the successful publication of his travel manuscript. For most of his life, WOLFGANG JOOST's own travels were restricted to socialistic brother countries. Together with his friend DIETRICH BRAASCH he produced a series of papers on the Bulgarian Plecoptera, several on Caucasian and other Soviet Republic stonefly faunas. After the Iron Curtain fell, WOLFGANG JOOST occasionally visited the Schlitz institute, by himself or with a group of graduate students. It was pleasant to observe how contagious his interest in nature was; over time, he successfully introduced several young people to science. In his late years, WOLFGANG JOOST was finally also able to fulfil his deep desire to see and explore the world during travels to tropical countries. South America was most dear to him, he visited it several times, also on his last trip; he died in his home the night after his return from Paraguay and Bolivia.

WOLFGANG JOOST will be missed much and be remembered as a family man, a friend, enthusiastic colleague, and fascinating teacher. His successful scientific work is reflected in numerous publications; a list of his Plecoptera papers is below. A complete list of W. JOOST's publications is available in Entomologische Nachrichten und Berichte 48: 146-150 (2004). His scientific collections have been deposited in the Museum der Natur, Gotha. I thank Frau MONIKA JOOST for the photograph and important information.

Peter Zwick, Schlitz

#### Dr. WOLFGANG JOOST - Papers on Plecoptera

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## Obituary

**DR. H.C. HANS MENDEL** (5.1.1927-17.6.2004)



HANS MENDEL was the third of four children of HANS and EMMA MENDEL in Pirmasens. He went to school at Kempten where he spent most of his life. In 1944, shortly before finishing high school, he was called into the army and served in an anti-aircraft unit. He became captive of war but was released in July 1945. HANS MENDEL then turned to agriculture, took practical courses and learned the profession at various agricultural schools and highschools in Kempten and Landsberg. In 1951, he completed his school education at Landsberg with university entrance. After study, from 1953 on, he worked as a teacher and head of the Landwirtschaftliche Berufsschule in Landsberg county. HANS and ERNA MENDEL married in 1954, their daughters CHRISTINE and ELISABETH were born in 1957 and 1960, respectively. In 1959-1961 HANS MENDEL studied again and became a science teacher at secondary schools, teaching chemistry, biology and geography. Later he was also vice rector at the Kempten Mädchenrealschule. Health problems necessitated his early retirement in the summer of 1983. He survived a severe cardiac infarction in 1987 but needed very complex heart surgery again in July 2000. He died of sudden heart failure.

Music played an important role in HANS MENDEL'S life. For three years, until 1961, he was the organist and director of the church choir at Issing in Landsberg County. From 1962 to 2001 he was head of the men's Volks-Chor Kempten.

HANS MENDEL'S other important private activity was in biology. Over the years, he worked and published on several groups of organisms. He started

with grasses (Poaceae) on which he worked for about ten years, until 1957, establishing a large special herbarium. He also joined the Bayerische Botanische Gesellschaft. After an intermezzo of interest in Odonata he started working on Plecoptera in 1964. From 1969 on several families of aquatic Diptera, mainly the Limoniidae, became the focal point of his interest. He had also an interest in several other families of Diptera but could not develop it to a similar degree, due to increasing professional workload.

In each taxonomic group that he studied HANS MENDEL contacted recognized experts in the respective field to learn from them, for example AUBERT, RAUŠER and ILLIES for Plecoptera. I have fond memories of his visits to Prof. J. ILLIES at Schlitz, and especially of our trip to the 4<sup>th</sup> International Symposium on Plecoptera at Abisko, Swedish Lapland. We went there from Schlitz by car, together with G. SUSEMICHEL, Prof. T. KAWAI (Nara, Japan) and Dr. J. RAUŠER (Brno, Czech Republic), camping in our tent called 'Hotel Eurasia' on the way, except one night when we stayed with Prof. K. MÜLLER, in his field station at Messaure. This contact later proved most important because K. MÜLLER inspired HANS MENDEL to work on Diptera. Between 1969 and 1985, HANS MENDEL went to Messaure or Umeå almost every year to meet K. MÜLLER and work with him, spending school summer vacations in northern Sweden. On the way, the family sometimes stopped at Schlitz; it was always great fun when HANS and his family arrived, in their minibus.

His thorough work and the many resulting papers earned HANS MENDEL universal recognition. Nine species of Diptera and one caddisfly were named after him. However, the most obvious recognition of HANS MENDEL'S successful scientific work is the award of the degree of Dr Phil. h.c. by the University of Umeå, in 1979. HANS MENDEL gathered very large important collections of insects and named a number of new species, especially among the Diptera: Limoniidae. His collection of Diptera is in the Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn while the Plecoptera collection is kept in the Oberösterreichisches Landesmuseum at Linz, Austria. In recent years, HANS MENDEL'S interest focused on amber fossils of which he also had a large collection. It will in future be owned by his two grandsons, ANDREAS and MAXIMILIAN.

HANS MENDEL is missed very much by his family and by colleagues. He will always be remembered as a good friend and companion and a hard-working dedicated and thorough scientist.

I cordially thank ERNA MENDEL for data on her husband's vita and for a list of his scientific papers compiled by HANS MENDEL himself.

*Peter Zwick, Schlitz*

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

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

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

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

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

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