

# The International Joint Meeting on Ephemeroptera and Plecoptera 2008



The XII International Conference on Ephemeroptera and the XVI International Symposium on Plecoptera was held 8-14 June 2008 at the Staatliches Museum für Naturkunde in Stuttgart (SMNS), Germany. The SMNS is dedicated to the scientific study of the Earth. It was established in 1791 through a decree by Carl Eugen, Duke of Württemberg, and is one of the oldest and most prominent natural history museums in Europe. **Willi Hennig**, founder of phylogenetic systematics was on the staff of SMNS from 1963 until his death in 1976.

More than 120 participants (including 20 accompanying persons) from 36 countries registered for the meeting. See map below.



Overall, the meeting was a magnificent success, bringing together well-established scientists of international note, students, enthusiasts of the two taxonomic groups, and others from throughout the world. All aspects of the meeting from the efficient registration, the highly informative paper and poster sessions, the “snack breaks”, the grand banquet at Schloss Rosenstein, and the productive field trips were exceptional. **Dr. Arnold Staniczek**, his staff, and colleagues made this meeting an experience to remember. They are heartily thanked.

Stuttgart was a hub of action during the meeting, especially with the European Soccer Cup championship games creating additional excitement. The program for accompanying persons included remarkable enjoyable events that were, however, intense! These activities included guided tours of museums, famous nearby cities, castles, zoos and botanical gardens, options of attending operas, symphony orchestras, ballets, etc!

The Conference dinner at Schloss Rosenstein was a feast to behold. Schloss Rosenstein was built in 1822-1830 by Giovanni Salucci and served as a manor house for King Wilhelm I. It currently houses biological exhibitions. At the dinner special recognition and awards from the Standing Committee of the International Society on Plecoptera were presented:



**The grand banquet at Schloss Rosenstein.**

**Dr. Arnold Staniczek** was honored by the Standing Committee with a certificate of appreciation for his “hard work and dedication in organizing the successful” meeting.

We again thank **Dr. Staniczek**. In fact Arnold has **already** accomplished the publication of sixty-five manuscripts produced from the meeting. It will be available in early 2009.

***International Perspectives in Mayfly and Stonefly Research. Proceedings of the 12th International Conference on Ephemeroptera and the 16th International Symposium on Plecoptera, Stuttgart 2008, ed. A.H. Staniczek, Aquatic Insects, 31 (2009), Supplement 1.***



**Dr. Arnold Staniczek with his classic smile is heartily thanked for his hard work by Dr. John Brittain on behalf of the Standing Committee of the International Society of Plecopterologists.**

Drs. **Richard W. Baumann, Kenneth W. Stewart, and Peter Zwick** were presented awards in appreciation from the Standing Committee of the International Symposium on Plecoptera for their hard work and dedication in serving as editors of *Perla* for many years.



**Drs. Richard W. Baumann and Peter Zwick accepting their awards.**



**Dr. Kenneth W. Stewart accepting his award.**

The Standing Committee of the International Society of Plecopterologists awarded Lifetime Achievement Awards in 2008 to professors **Peter Harper** and **Ignac Sivec** (see following details). These two scientists of international reputation joined thirteen other colleagues to receive this honor. **Dr. Stan Szczytko** arranged the production of the plaques.



**Dr. Ignac Sivec with his award.**

The two conference trips included a tour of one of the best Cistercian monasteries in Germany, the Bebenhausen Monastery and the university city of Tübingen, where enjoyable boat trips on the Neckar occurred. Tübingen has the highest quality of life of all cities in Germany. The Post-Conference field trip into the southern Black Forest (Schwarzwald) included the Wutach Gorge and Lake Titisee. Collecting was outstanding and so was the lunch.



**The beautiful scenery of the Wutach Gorge, Germany.**

The International Society of Plecopterologists awarded more than US \$3,400 to Tomas Ruginis, Lithuania, Maribet Gamboa, Venezuela, Olga Loskutova, Russia, and Giovany Guevara Cardona, Chile to attend the meeting in Stuttgart. **Dr. John Brittain** directed this process.

At the meeting, the stonefly community greatly missed Dr. **Lidija Zhiltzova**, who could not attend the meeting because of injuries suffered during a criminal attack. We all wish her continued recovery and most healthy and successful coming years.

Below are the papers or posters on Plecoptera that were presented at **XVI International Symposium on Plecoptera from 8-14 June 2008 at the Staatliches Museum für Naturkunde in Stuttgart, Germany:**

### **Oral presentations III: Biogeography, Distribution & Faunistics**

LORENZ, AW; TIERNO DE FIGUEROA, JM; LOPEZ RODRIGUEZ, MJ; MURPHY, J; & GRAF, W.

Biogeographical and autecological pattern of European Plecoptera

KOESE, B

Stoneflies of the Netherlands

POPIJAC, A & SIVEC, I.

Diversity and distribution of stoneflies in the area of Plitvice Lakes National Park and along Mediterranean river Cetina (Croatia)

#### **IV: Phylogeny, Systematics & Taxonomy**

##### **Invited Lecture**

ZWICK, P.

The Plecoptera - who are they?

Other papers:

BAUMANN, RW & KONDRATIEFF, BC.

The Holarctic genus *Oemopteryx* Klapalek (Plecoptera: Taeniopterygidae), with a new species from California and Oregon

STRADNER, D; WEISS S & GRAF, W.

Molecular phylogeny of the stonefly genus *Siphonoperla* Zwick, 1967 (Chloroperlidae)

SZCZYTKO, SW & KONDRATIEFF, BC.

The Eastern Nearctic *Isoperla bellona* complex

#### **Oral presentations V: Morphology, Ultrastructure & Physiology**

NELSON, CH.

Surface ultrastructure of the tarsus and pretarsus of Plecoptera (Arthropoda: Hexapoda)

#### **Oral presentations VI: Biogeography, Distribution & Faunistics**

DeWALT, RE; CAO, Y; & TWEDDALE, T.

Reconstruction of historical distributions of stoneflies (Plecoptera) using museum records

#### **Oral presentations VII: Ecology, Life History & Reproduction**

RUPPRECHT, R.

Attempts to re-colonize water insects in some German streams

#### **Oral presentations VIII: Phylogeny, Systematics & Taxonomy**

##### **Invited lecture**

KRELL, Frank-Thorsten

ZooBank and the next edition of the Code - new developments in zoological nomenclature

DeWALT, RE; EADES, D; & MAEHR, MD.

Plecoptera Species File: a research resource for the future

BAUMANN, RW & KONDRATIEFF, BC.

Studies on the Holarctic Subfamily Brachypterainae (Plecoptera: Taeniopterygidae) using the Scanning Electron Microscope

### **Oral presentations IX: Ecology, Life History & Reproduction**

KAZANCI, N & DÜGEL, M.

Use of optimum and tolerance values to predict impacts of climate change on aquatic insect distribution

KRNO, I & HOLUBEC, M.

Effects of land use on the stonefly bioassessment metrics

YOSHIMURA, M.

Comparison of stream benthic invertebrate particularly stonefly assemblages in the temperate forest in Japan in relation to forest types

### **Oral presentations X: Biogeography, Distribution & Faunistics**

RUGINIS, T.

A review of Plecoptera species distribution in Lithuania

### **Oral presentations XI: Morphology, Ultrastructure & Physiology**

WILLKOMMEN, J.

The morphology of the pterothorax of Ephemeroptera, Odonata and Plecoptera, and the homology of wing base sclerites and flight muscles

AMORE, V; CABRERA HURTADO, J; TERUEL ARTACHO, M; TIERNO DE FIGUEROA, JM; & FOCHETTI, R.

Do really all stoneflies have hemocyanin?

### **Oral presentations XII: Biogeography, Distribution & Faunistics**

SURENKHORLOO, P.

Stoneflies of Mongolia (updated species list)

TESLENKO, VA.

A review of Plecoptera species distribution in the Far East of Russia

ZHILTZOVA, LA. (given by N. KLUGE).

Zoogeographic features of the Systellognatha (Plecoptera) fauna of Russia and adjacent countries



**Poster Session I**  
**Phylogeny, Systematics & Taxonomy**

ISOBE, Y & UCHID, AS.

Japanese species of the genus *Oyamia* (Plecoptera: Perlidae) and *O. nigribasis* from Korea

SIVÉC, I & STARK, BP.

Open access policy in stonefly research

TURCSANYI, I; JACKSON, S; BAGLEY, M; FRIEDMAN, E; SWENSON, S; ROTH, A; DRISKELL, A. & WEIGHT, L.

Integration of DNA barcoding approaches into aquatic bioassessments: case of mayflies and stoneflies

VINÇON, G & MURANYI, D.

Revision of the *Rhabdiopteryx neglecta* species group (Plecoptera: Taeniopterygidae)

ROSCISZEWSKA, E & RZONCA, R.

Ultrastructure of Antartoperlarian stoneflies reproductive systems with special reference to the organization of the larval ovarioles

TAMURA, F; ISOBE, Y; & OISHI, T.

A comparative SEM study on the setae of larval legs in four families of Plecoptera

BOJKOVA, J.

Collections of the Czech Republic stoneflies by E. Křelinová and J. Raušer

CHERCHESOVA, SK; SHIOLOSHVILI, MN; & HAZEEVA, LA.

Zoogeographic characteristics of the stonefly fauna of North Ossetia (the River Terek Basin)

FOCHETTI, R & TIerno DE FIGUEROA, JM.

The Italian stonefly fauna

OGDEN, J & GIBERSON, DJ.

Plecoptera diversity and emergence phenology in boreal forest streams of the Cape Breton Highlands, Nova Scotia, Canada

SPACEK, J.

Notes on the distribution of some interesting Ephemeroptera and Plecoptera species from the Czech Republic

ZUÑIGA DE CARDOSO, MC; DIAS, LG; MARTINEZ, D; ZABALA, G; & BACCA, T.

The first record of *Claudioperla* Illies (Plecoptera: Gripopterygidae) from Colombia

ZUÑIGA DE CARDOSO, MC & STARK, BP.  
The status of the order Plecoptera (Insecta) from Colombia

**Poster Session II**  
**Ecology, Life History & Reproduction**

BEKETOV, MA & LIESS, M.  
Potential of 11 pesticides to initiate downstream drift of stream macroinvertebrates

BOJKOVA, J & HELESIC, J.  
Spring fens as a unique biotope of stonefly larvae

FENOGLIO, S; BO, T; LOPEZ RODRIGUEZ, MJ; TIERNO DE FIGUEROA, JM; & MALACARNE, G.  
Preimaginal feeding habitus of *Isoperla carbonaria* Aubert, 1953 (Plecoptera, Perlodidae) in Val Po, North-Western Italian Alps

GAMBOA, MA; CHACON, MM; & SEGNINI, SE.  
Composition of the diet of four species of *Anacroneuria* (Plecoptera: Perlidae) in the Venezuelan Andes

GUEVARA, G; BOHORQUEZ, HF; REINOSO, G. & VILLA, FA.  
Plecoptera size distributions in a tropical river (Tolima, Colombia) during two contrasting seasons

GUEVARA, G; GODOY, R & JARA, C.  
Stonefly shredders associated with litter breakdown in first-order streams of southern Chile

HROVAT, M; URBANIC, G & SIVEC, I.  
Community structure and distribution of Ephemeroptera and Plecoptera larvae in selected karst rivers in southeast Slovenia

KOZACEKOVA, Z; TIERNO DE FIGUEROA, JM; LOPEZ RODRIGUEZ, MJ; & DERKA, T.  
Life history of a population of *Protonemura intricata* (Ris, 1902) (Insecta, Plecoptera) in a constant temperature stream in Central Europe

LOPEZ-RODRIGUEZ, MJ; TIERNO DE FIGUEROA, JM; FENOGLIO, S; BO, T & ALBA-TERCEDOR, J.  
The role of three Perloidea species in a temporary stream in southern Spain: are they secondary or primary consumers?

LOSKUTOVA, OA.  
Drift of stoneflies in the rivers of the European northeast of Russia

MANK, P & PEKARIK, L.

The most important microhabitat variables affecting the stonefly and mayfly communities in the East Carpathian Stream

SILVERI, L; TIERNO DE FIGUEROA, JM & MAIOLINI, B.

Life cycle of three species of Plecoptera in high altitude streams (Trentino, NE Italy)

STEWART, KW & ANDERSON, NH

The life history and nymphal generic character development of *Malenka bifurcata* (Claassen) (Plecoptera: Nemouridae) in an Oregon summer-dry stream

TÜRKMEN, G & KAZANCI, N

A research on assessment of habitat quality of streams in a national park by using Ephemeroptera, Plecoptera, Odonata and Trichoptera species

YOSHIMURA, AM.

Comparison of attracted time for light in Plecoptera



XVIth International Symposium on Plecoptera, 8-14 June, 2008, Stuttgart, Germany



**Participants of both the XII International Conference on Ephemeroptera and the XVI International Symposium on Plecoptera.**



**Drs. Arnold H. Staniczek and Jana Willkommen making sure registration was perfect.**



**The Brittain's and others enjoying the boat trip on the Neckar, Tübingen.**



**The remarkable publishing and Lifetime Achievement awardee tag team, Drs. Bill P. Stark and Ignac Sivec.**



**The Sczcytko's, Stewart's and Bill Stark enjoying the meeting.**



**Drs. Arnold Staniczek, Thomáš Soldán and Purevdorj Surenkhorloo. Purevdorj provided photographs for this issue.**



**The happy family of the convener of XII International Conference on Ephemeroptera and the XVI International Symposium on Plecoptera, Stuttgart, Germany.**



**Dr. Richard W. Baumann with his well-known beating sheet during the field trips.**

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