

matrix, and pictorial formats (4-5 mo.), and direct export of data in Encyclopedia of Life (EoL) formats (6-8 mo.).

While we routinely search for new stonefly publications in *Illiesia*, *Zootaxa*, and *Zookeys* and others, send us bibliographic information or PDFs of articles to help us keep PlecSF up to date. We would also like to have properly attributed images and sound files of taxa to post on PlecSF.

## MEMBER NEWS

### **DR. DÁVID MURÁNYI** FULBRIGHT GRANT TO STUDY AT BRIGHAM YOUNG UNIVERSITY, PROVO, UTAH, U.S.A.

**Dr. Dávid Murányi** from the Hungarian National Museum in Budapest received a Fulbright postdoctoral grant to study at the Aquatic Entomology Laboratory, Monte L. Bean Life Science Museum, Brigham Young University, Provo, Utah for five months. His reason for coming was to utilize the large Plecoptera collection and to study with **Richard Baumann** and **Riley Nelson**. He arrived on September 1, 2011 and left on January 31, 2012. Dávid was accompanied by his wife Szilvi and their two year old son Andris. The family lived in the Wymount Terrace married student apartments on the BYU campus, located at the base of the Wasatch Mountains. Nearby Rock Canyon provided a place for the family to escape into the mountains often for hiking and other recreational activities.

While at BYU, Dávid began a study of the Capniidae fauna of the Balkan Mountains that morphed into a study of the capniid genera of most of the Northern Hemisphere. He also began his study on the Balkan *Amphinemura*. His additional goals for the Balkan fauna were not realized but he had many opportunities to learn about the Nearctic fauna and to look at taxa that he had never before seen. He also researched an interesting collection of stoneflies that were collected from waterfalls in Iran in 2004 by Bill Shepard. Dávid took every opportunity to collect stoneflies in Utah and was also a part of the “Southern California Winter Stonefly Expedition,” led by Boris Kondratieff and two other colleagues, Riley Nelson and John Sandberg.

David brought and excellent collection of Palearctic Plecoptera with him as a gift to the BYU and helped to curate our specimens from Europe and northern Asia. In addition, we shared literature, techniques and experiences that were useful to all concerned. Dávid was a pleasure to work with and we were sad when he and his family needed to return home to Hungary.

### **Dick Baumann** and **Riley Nelson**

**Dr. Maribet Gamboa** is working with molecular adaptation of stoneflies under hipoxia, as a postdoc student in **Dr. Michael Monaghan’s** lab in IGB, Germany. Also, she is trying to associate adults and nymphs using molecular tools in combination with wing

morphometrics. Additional work includes molecular taxonomy on: *Siphonoperla* with **Dr. Wolfram Graf**, *Capnia* with **Dr. Dávid Murányi**, and more than 30 stoneflies species in collaboration with **Dr. Kozo Watanabe**. Finally, she is also working in spatial and temporal distribution of stoneflies in Venezuela with **Dr. Maria Mercedes Castillo**, and on predictions of global climate change on their community structure in Venezuela.

**Drs. J. Manuel Tierno de Figueroa** and **Manuel J. López-Rodríguez**, University of Granada (Spain), carry on working on nymphal biology (life cycle, feeding and secondary production) in Spain and Italy, in collaboration with **Drs. J.M. Luzón-Ortega** (Hydraena S.L.L., Spain), **S. Fenoglio** and **T. Bo** (Università del Piemonte Orientale, Italy) and **J. Garrido** and **J. Rúa** (Universidad de Vigo, Spain). Moreover, physiological studies on digestive enzyme activities and antioxidant defences of stoneflies are being carried out in collaboration with **Drs. A. Sanz** and **C. Trenzado** (University of Granada, Spain). Also, with **Dr. J.M. Luzón-Ortega**, they are studying the drumming calls of several species of stoneflies from Spain, as well as stonefly distribution in the Iberian Peninsula. They are also collaborating with **Dr. R. Fochetti** (Università della Tuscia, Italy) in genetic approaches for the resolution of taxonomical problems, and with **Dr. T. Derka** (Comenius University, Slovakia) in some nymphal biology studies of species inhabiting streams in Slovakia. A study on DNA quantification is being made in collaboration with some colleagues of the Genetic Department from Universidad de Granada (Spain). Finally, they are also working at the community level (mainly on trophic webs) in several streams from southern Iberian Peninsula.

Current projects of **Gilles Vinçon**:

- \* with **Sandra Knispel** and **Verena Lubini**: the new Plecoptera to the Swiss Fauna.
- \* with **Dávid Murányi**: new contribution to the knowledge of the Turkish Stoneflies.
- \* with **Dávid Murányi**: revision of the genus *Dictyogenus*.
- \* with **Dávid Murányi**: revision of the genus *Rhabdiopteryx*.
- \* with **Dávid Murányi**: revision of the *Leuctra inermis* group.
- \* with **Dávid Murányi**: revision of the *Nemoura marginata* group.
- \* with **Dávid Murányi** and **Tibor Kovacs**: revision of the West Palearctic species of *Perlodes*.
- \* with **Dávid Murányi**, **Tibor Kovacs** and **Aref Dia**: description of a new *Perlodes* from Lebanon.
- \* with **Wolfram Graf**: description of a new species or subspecies close to *Nemoura undulata* from Austria and Slovenia.
- \* with **Ignac Sivec**: description of a new species close to *Leuctra armata* from Slovenia
- \* alone: description of a new species close to *Leuctra concii* from the Italian and French Ligurian Alps.

Research activities of **Jane Earle** [janeearle7@msn.com](mailto:janeearle7@msn.com)

I am continuing studies of the distribution and habitat preferences of Pennsylvania stoneflies and GIS mapping and preparing publications on new records and distribution

of Pennsylvania Taeniopterygidae and Capniidae. Also, in conjunction with the Pennsylvania Biological Survey (PABS) I have developed state conservation rankings for all Pennsylvania stonefly species based on NatureServe's global rankings for use with the Pennsylvania Natural Heritage Program. I am also participating in meetings with PABS to adopt criteria for state conservation rankings for other Pennsylvania aquatic invertebrates.

## ARTICLES

### **Ian McLellan's collection of Plecoptera now at New Zealand Arthropod Collection (NZAC), Auckland**

**Trevor Crosby**, New Zealand Arthropod Collection (NZAC), Landcare Research, Private Bag 92170, Auckland 1142, New Zealand  
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Ian McLellan passed away on 28 November 2008 after a short illness (Patrick & Pawson 2009). Ian was a Research Associate of Landcare Research (previously Entomology Division, DSIR, Nelson then Auckland) and it was agreed, and stated in his will, that his collection was to be deposited with the New Zealand Arthropod Collection (NZAC) at Landcare Research, Auckland. From the mid-1960s Plecoptera specimens collected by NZAC researchers were sent routinely to Ian to study at his Westport home. This note is to record that in February 2011 Ian's collection was received at NZAC, Auckland.

Ian's Plecoptera collection consists of some 3530 tubes of ethanol-stored New Zealand specimens identified to species plus about 300 tubes of specimens from other countries. The collection is in good condition, and currently housed in 2 metal filing cabinets, each with 11 drawers about 250 mm wide, 360 mm long, and 80 mm deep. The New Zealand Plecoptera material is contained in 14 drawers. Cardboard dividers are in each drawer to separate tubes of different species. Holotypes are in this collection: in Ian's publications the holotypes are stated to be deposited at NZAC (earlier DSIR), but it was agreed by NZAC that Ian could look after them in his collection while he was actively researching the group.

Shortly before his death, in a project with Dr. Steve Pawson of Scion, Christchurch, Ian provided information on New Zealand's Plecoptera for the website [www.stoneflies.org.nz](http://www.stoneflies.org.nz). As part of this project, each tube in his collection with a New Zealand species had a NZAC barcode label added, and then the collecting details (including georeferencing data) were recorded in Excel spreadsheets alongside records from other collections. The significance of Ian's collection is shown by the fact that it contains about half the total number of Plecoptera records for all New Zealand collections. A spreadsheet of the collecting details for any New Zealand stonefly species now can be downloaded by anyone from the website.

In addition to the Plecoptera, Ian's collection contains several hundred tubes of various Diptera families, particularly Thaumaleidae, Empididae, and Blephariceridae.