

PLECOPTERA SPECIES FILE—AN UPDATE

R. Edward DeWalt, University of Illinois, Illinois Natural History Survey, 1816 S Oak St., Champaign, IL, 61820, dewalt@illinois.edu.

Plecoptera Species File (PlecSF) was presented as a global resource at the 2008 International meeting. I said at that time that that Dr. Zwick's database would be

Plecoptera Species File (Version 1.0/4.0)

Home Search Taxa Glossary Key

Search for:

Statistics for order Plecoptera:

Authors	598	
Publications	644	
References	2276	
Citations	15363	
Depositories	92	
Images	total: 55	unique taxa: 32
Sound recordings	total: 2	unique taxa: 2
End points in keys	total: 16	unique taxa: 16
Specimen records	total: 1076	unique taxa: 769
Superfamilies	total: 10	valid: 5; not valid: 5
Families	total: 47	valid: 30; not valid: 17
Subfamilies	total: 30	valid: 21; not valid: 9
Tribes	total: 19	valid: 14; not valid: 5
Genera	total: 495	valid: 389; not valid: 106
Subgenera	total: 3	valid: 2; not valid: 1
Species	total: 4438	valid: 3705; not valid: 733
Subspecies	total: 105	valid: 91; not valid: 14
Names at all levels	total: 5263	valid: 4361; not valid: 902

Usage of this website since Sep 1 2010 11:11AM: 356705 sessions
(Most of these "sessions" come from robotic web crawlers. The number of "hits" was not counted, but would be much larger.)

Show statistics for:
(any valid taxon at rank of genus or higher)

imported and checked against existing data and that updates would be conducted on a frequent basis. This has been accomplished and now PlecSF has 3,705 valid species names in the database. Since the International Meeting, we have:

- annually sent names to the Catalogue of Life (CoL)
- shared names with the Integrated Taxonomic Information Service (ITIS)
- shared names with the Global Biodiversity Information Facility (GBIF) using Integrate Publishing Toolkit (IPT) in Darwin Core Archive (DwC-A)

- implemented Life Science Identifiers (LSIDs)—providing a persistent identifier for each taxon
- created a faunal list search for species by Biodiversity Information Standards (TDWG) geographic units and providing a URL link to the search results
- built Google maps interface for specimen data
- added general distribution data for North America, Europe, Asia, and South America
- added private species files; scientists may use this as private space to work on revisions and fold these data back into the system as publications go to print.

We are currently adding new features to make Species Files easier and more efficient to use: new help documentation including a manual and video tutorials (1 mo.), the ability to export nomenclatural data in near publication ready format (rapid generation of catalogues, 5-6 mo.), new and improved key construction software in dichotomous,

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