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The Mayfly Newsletter

Peter M. Grant
Southwestern Oklahoma State University, peter.grant@swosu.edu

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IXth International Conference: Fantástico!

The IXth International Conference on Ephemeroptera was held 16-21 August 1998 in Tafi del Valle, a small town nestled at 2,000 m above sea level in the mountains of northwestern Argentina. Participants were treated to delicious regional food and the warm hospitality of the townspeople. More than 60 people from 25 countries were in attendance.

An informal evening reception was held on the 16th and the conference officially began on the 17th with a welcome address by Dr. Eduardo Domínguez, convenor of the conference, who also thanked the many contributors and sponsors of the conference (26 were listed in the program). He also reported that two travel scholarships were provided by the North American Benthological Society for Vanessa Maldonado (Venezuela) and Giovanna Rocabado (Bolivia). The Permanent Committee also provided travel scholarships for Milan Putz (Czech Republic), Tong Xiaoli (Hong Kong) and Dasa Zabric (Slovenia).

 Oral presentations then began on ecology, behavior, phylogeny, and taxonomy. Elda Gaino led a discussion on the structure and ultrastructure of Ephemeroptera eggs. She encouraged the use of illustrations to complement written descriptions of eggs. She further discussed fixation of eggs, chorionic decorations, and how to collect eggs. Elda will be writing a summary of her discussion for a future issue of The Mayfly Newsletter.

The eggs I like best are Easter eggs with a surprise inside!

Elda Gaino

Monday’s session concluded with an invited lecture by Dr. Pablo Goloboff entitled, “Post-Hennigian Cladistics.” Dr. Goloboff later demonstrated a program he has written for phylogenetic reconstruction. The program PIWE, “Parsimony with Implied Weights,” is available at the Willi Hennig web site (www.zoo.toronto.edu/~mes/hennig/software.html).

The topics for the oral papers on Tuesday were systematics and biodiversity and the poster papers focused on morphology and taxonomy.

Bill Peters, on behalf of the Permanent Committee, presented a mayfly pin to Eduardo for his work in planning this conference. He also mentioned that two proposals have been submitted to host the next mayfly conference, and that copies...
of these proposals were available for reading. Participants will vote for their preference at the business meeting.

That afternoon, the panel discussion, "What is the General Knowledge of Mayflies in the World: Past, Present and Future?" was held. This discussion was organized by Javier Alba Tercedor. Panelists and the geographic area they discussed were Ian Campbell and Kyla Finlay (Australia); Bill Peters (New Zealand, New Caledonia); Tomas Soldan (Indomalay region, East Palearctic); Jean-Marc Elouard, Mick Gillies and Jean-Luc Gattolliat (Africa, Madagascar); Michel Sartori (Europe); Pat McCafferty (North and Central America); and Michael Hubbard, Manny Pescador and Maria del Carmen Zuniga (South America). Each group of panelists made a short presentation regarding the current knowledge of mayflies in the respective area. These presentations will be published in the proceedings of this conference.

Tuesday concluded with a demonstration of traditional Argentine music and dance.

Some people say the best
Baetis is a flat Baetis -
Platybaetis

Ian Campbell

Wednesday began with a trip to a local estancia, "Las Carreras." This estancia is known for the cheese it produces. Visitors toured the facility where the cheese was made and samples of cheeses were provided and consumed with great relish.

The local gauchos also showed off their skills. Unknown to most of the participants were the equestrian ephemeropterists who serve on the Permanent Committee, namely John Flannagan and Javier Alba Tercedor. Everyone commented on how both of these gentlemen looked exactly like John Wayne astride a great steed.

After lunch the oral papers dealt with ecology and morphology.

A business meeting was held later in the afternoon. The Permanent Committee will continue to use The Mayfly Newsletter as its official newsletter. It was also mentioned that copies of past proceedings are available. Profits, from the sale of some of these proceedings, will be used to supplement the travel scholarship fund.

Because of his work on The Mayfly Newsletter, a motion was made to elect Pete Grant to the Permanent Committee. The motion passed.

Two proposals have been received by the Permanent Committee to host the next mayfly conference. Elda Gaino has offered Perugia, Italy, as a meeting place and Pat McCafferty, West Lafayette, Indiana, USA. For the last several international conferences, ephemeropterists and plecopterists have held a joint meeting. Typically, though, the conference site was voted on by only the ephemeropterists. Discussions were held with some individuals involved with the planning of the stonefly conferences and it was decided that, in the future, if a joint mayfly-stonefly meeting is planned, a vote to determine the next conference site would be held during a joint business meeting of both groups. For the next conference, though, only ephemeropterists would vote. The final vote would be announced later that evening during the dinner. (See related article on page 4.)

That evening the conference dinner was held at the Lunahuana Hotel. Bill Peters served as master of ceremonies. He began by congratulating the three recipients of the travel grants provided by the Permanent Committee and the two recipients of the North American Benthological Society travel grants.

Special medals (which looked suspiciously like those adorning the wine bottles) were presented to Javier Alba Tercedor for his expertise with fermented beverages, Michel Sartori for not getting an award as a convenor of the last international conference. Pat McCafferty for submitting a proposal to host the next mayfly conference, and Pete Grant for being the newest member of the Permanent Committee.

On a more serious note, the members of the Organizing Committee were thanked. These included Dr. Eduardo Dominguez, convenor. Dr. Hugo Fernández, Dr. María Gabriela Cuezzo, Lic. Vivian de Fátima Romero, Lic. Carlos Molineri, and Mrs. Carolina Nieto. Many students also assisted with the organization. Eduardo was presented a plaque for his work as convenor.

Bill announced that the votes were tallied and that the participants had voted for Perugia, Italy, as the next conference (2001) site. (Read Elda’s proposal on page 4.)

The featured entertainment at the banquet was traditional tango dancing. Some non-Argentine participants also demonstrated their tango-dancing abilities. The dancing lasted until three in the morning (when the clerk turned off the music).

The joint symposium on mayflies and stoneflies began Thursday. Oral and poster papers reflected this theme.

Two computer demonstrations were presented. Jean-Marc Elouard discussed his program, “NOE: Nomenclature Oecologique et Environnementale.” (See related article on page 3.)

The second program was presented by Riley Nelson, Robert Ourso and Michelle Trautwein, and was entitled, “Multime-

Has anyone seen my luggage?

Pete Grant

dia: Plecoptera, Ephemeroptera, and General Entomology: Use of CD ROM and WWW Technology for Teaching and Learning.”

Thursday finished with the invited lecture by Dr. Jack Stanford, “To Burrow or Not to Burrow: The Ecology of Mayflies and Stoneflies at the Interface Between Surface and Ground Water.”

Past conferences traditionally included a field trip for
Conference (cont. from p. 2)

collecting and site seeing. This conference was no exception. The trip began Friday morning, the last day of the mayfly conference. The first stop was the Los Sosa River, ca. 1700 m above sea level, located in a transition zone between subtropical montane cloud and temperate forests. The weather was quite cool and foggy. The mate provided by the students warmed everyone nicely.

Next the buses traveled northwest crossing the mountains at 3,000 m above sea level to the Santa Maria Valley, stopping along the way at 2,800 m to collect in one more stream. During the trip it was possible to observe the altitudinal gradient from the cloud forest to the high mountain grasslands and down again to the dry semi-desert were the Quilmes archaeological ruins are located and where a traditional lunch was served.

Overall a good time was had by all. Eduardo and his organizing committee are to be congratulated for this excellent conference. They did everything they could to make sure that all participants had an enjoyable, comfortable and productive conference.

The mayfly conference in Argentina was a complete success. Now, on to Italy!

Mayfly Music

For those of you who have the urge to not only study mayflies but to also listen to songs about them, here are two CDs for you.

My daughter’s boyfriend, Jeff, introduced me to *If You’re Feeling Sinister*, a CD by Belle and Sebastian (see the Matador Records web site at www.matador.recs.com). One of the songs on this CD is entitled, “Mayfly.”

Another CD by the Glasnots is called *Mayfly Matinee* and features a song by the same name. Ordering information for this CD is available at www.aeons.com/hinely/mayfly.html or by writing The Kelsi Hinely Trust, 2109 Emerson, Denton, Texas 76201 USA, phone (817) 387-2846.

NOE: A Computer Database for Mayflies

At the mayfly conference, Jean-Marc Elouard discussed his computer program, “NOE: Nomenclature Oecologique et Environnementale.” This program represents 10 years work of programming and managing a database on the mayflies and aquatic insects of sub-Saharan Africa and Madagascar. This database can be adapted to any systematic group, any ecological research and situations, and any geographical area, and also allows much flexibility for any operator.

The best points of this software are the interactive representation of the taxa distribution; the possibility to add, without any programming, thousands of parameters in any file; and to restitute all the data in any format.

This program, in PC or Macintosh format, is now available in French. The cost is approximately US$300 and is available from Jean-Marc (LRSAE/ ORSTOM, BP 434. 101 Antananarivo, MADAGASCAR, phone [261 20] 22 430 36, fax [261 20] 22 330 98, email elouard@lrsae.orstom.mg).

Mayfly Central

http://www.entm.purdue.edu/entomology/mayfly/mayfly.html

and take a look at the IXth conference photo at

Ephemeroptera Galactica

http://www.famu.edu/mayfly/

“Scopoli assures us that such swarms [of mayflies] are produced every season in the neighborhood of some particular spots in the Duchy of Carniola, that the countrymen think they obtain but a small portion, unless every farmer can carry off about twenty cartloads of them into his fields for the purpose of a manure.” [Quotation by Shaw in Cowan, F. 1865. *Curious Facts in the History of Insects; Including Spiders and Scorpions*, p. 138. J. P. Lippincott and Co.]
Proposal of Prof. Elda Gaino to Organize the Joint Meeting in Perugia, Italy, in 2001

Xth International Conference on Ephemeroptera and XIVth International Symposium on Plecoptera

Prof. Elda Gaino, Istituto di Zoologia dell’Università di Perugia, Via Elce di Sotto, 06123 – Perugia, Italy, email Gaino@unipg.it

Location
Perugia is the main town of Umbria Region, located in Central Italy. Perugia is about 200 km northeast of Rome and 150 km south of Florence and stands on a “star-shaped” hill at about 500 m above sea level. Perugia retains many sights of its glorious and long history which has its roots in the Etruscan age. In any village tourists can find some memories of the past. In addition to its historical sites, Umbria shows beautiful landscapes with gentle hills, high mountains, rivers and lakes.

I am proposing to organize the conference at the University of Perugia. Perugia has good connections with the motorway and railway networks. People flying to the conference must use the airports in Rome and go on to Perugia by train or bus.

Schedule
The conference could be held during the last week of August or the first week of September. Usually, after the middle of August, finding accommodations is easier and, hopefully, cheaper.

Accommodations
Perugia is a tourist town and offers various kinds of accommodations. I will do my best to obtain reasonable prices. In addition, there are camping sites (10 km from Perugia), youth hostels and a lodge reserved for university researchers (only a few rooms available).

Registration fee
To make the fee affordable I am planning to apply for funds from several different sources.

Approximately, the fee could be $200 (at this time, $1 = 1800 lire). The registration fee will include: a) cost for the conference rooms, b) coffee breaks, c) field trip (one-day excursion), d) conference dinner, e) program, abstract book, copy of the proceedings, and f) souvenirs. The proceedings will be published in a special number of the Rivista di Idrobiologia, University of Perugia.

Field trip
The field trip will be organized to allow people to collect specimens along one of the many streams of the region.

Accompanying persons
Perugia offers many opportunities: museums, palaces, churches, medieval and archeological sites, etc. Guided tours will be arranged.

Post conference travel
A form will be sent to the participants with some proposals to visit the main Italian towns (e.g. Rome, Florence, Venice).

Mayfly and Stonefly Committees Meet

The Standing Committee for the International Symposium on Plecoptera and the Permanent Committee of the International Conferences on Ephemeroptera held a joint meeting after the excursion to the archaeological ruins on Friday during the conference in Argentina.

The ephemeropterists had earlier voted to hold the next conference (2001) in Perugia, Italy. Elda Gaino extended the same invitation to also host the stonefly conference. Since most of the plecopterists were not present at the mayfly business meeting, during which the Perugia location was chosen, they decided to vote for the site of their 2001 conference at the stonefly business meeting.

Several recommendations were made regarding our joint meetings:

• If a convenor chooses to host both conferences, he or she should submit a proposal to both committees for consideration.
• Since plecopterists and ephemeropterists will both be voting on future conference venues, it would be more practical to hold a joint business meeting to consider the next site.
• Costs for future joint meetings could be reduced by holding joint business meetings, dinners, field trips, sharing guest speakers, etc.

[Editor’s note: According to the Rolling Stonfly Newsletter (Volume 10, September 1998), the plecopterists voted to hold a joint meeting with the ephemeropterists in Perugia in 2001.]
Publications on Mayflies

[From the publication flyer:] This book, by Michel Sartori and Peter Landolt, presents the distribution and general ecology of all mayfly species recorded in Switzerland. It thus completes the key to mayflies published in 1992 by Studemann et al. in the series Insecta Helvetica.
The first chapters (in French and German) summarize certain aspects of the biology of mayflies and describe the influence of hydrologic and biogeographic elements on the fauna of the different regions of Switzerland.
The main part of the book presents the autecology and distribution of the 85 species known today in Switzerland.
The last part synthesizes the results and briefly discusses the status of each species.
220 pages. 13 figures, 11 charts, 85 distribution maps. Price appr. CHF 35. Send your order to CSCF, Terreaux 14, CH-2000 Neuchâtel, Switzerland.

Organizing Scientific Meetings

Diversity and Distribution of the Mayflies (Ephemeroptera) of Illinois, Indiana, Kentucky, Michigan, Ohio, and Wisconsin
This publication is available for US$25 from the Ohio Biological Survey, 1315 Kinneer Road, Columbus, Ohio 43212-1192 USA, phone (614) 292-9654, fax (614) 688-4322.
Shipping costs are as follows: Western Hemisphere, add 10%; Europe, add 15%; Africa, Asia and the South Pacific, add 16%.
Visa and Mastercard are accepted.

Ephemeroptera & Plecoptera: Biology – Ecology – Systematics
Copies of the Proceedings of the VIIIth International Conference on Ephemeroptera are still available. Books can be ordered for the price of US$50 (shipping included) accompanied by a bank or postal check.
POST CHECK CC: 17-8359-8 Congrès 95 or SBS, 1002 Lausanne: G-0-544'829'0 Congrès 95 or BANK CHECK/BANCSCHECK/CHEQUE BANCAIRE
Mail your request to the following address: Dr. Peter Landolt, University of Fribourg, Institute of Zoology, Pâroles, CH-1700 Fribourg, SWITZERLAND, phone ++41 26 300 87 41, fax: ++41 26 300 97 41, or email him at Peter.Landolt@unifr.ch.

The Mayfly Newsletter is the official newsletter of the International Conferences on Ephemeroptera and is published twice a year to facilitate communication among ephemerologists. Subscriptions to the Newsletter are free.
To place your name on the mailing list or to contribute information for the next issue, contact Peter M. Grant, editor, The Mayfly Newsletter, Department of Biological Sciences, Southwestern Oklahoma State University, Weatherford, Oklahoma 73076-3098 USA, phone (580) 774-3294, fax (580) 774-3795, email grantp@swosu.edu.
This publication was authorized by the Dean of Arts and Sciences and was printed at a cost of $250.00 for 500 copies.

Mayfly Slides for Sale by NABS

The North American Benthological Society (NABS) has established a freshwater macroinvertebrate slide library. A complete list of slides was published in the Fall 1998 issue of the NABS Bulletin. Among these slides are 10 of Ephemeroptera:
  1. Baetidae. Callibaetis ferrugineus, nymph
  2. Baetidae. Baetis sp., nymph
  3. Ephemera, nymph
  4. Heptageniidae. Ephemerella sp., nymph (ventral view showing gills)
  5. Heptageniidae, nymph
  6. Oligoneuriidae, Isomychia sp., nymph
  7. Ephemeropera, adult
  8. Ephemarillidae. Drunella sp., nymph
  9. Potamanthidae, Anthroptopus sp., nymph
Prices are US$1.50/slide for NABS members, US$2.00/slide for nonmembers and institutions.
To order slides, identify the number of the slide (given above) to be purchased and send payment by check or money order (no credit cards, pre-payment required) to Leonard Smock (lsmock@saturn.vcu.edu), Department of Biology, Virginia Commonwealth University, Richmond, Virginia 23284-2012 USA. Make checks payable to Virginia Commonwealth University.
NABS would like to increase the size of its slide library. If you have any slides to donate, contact Len Smock at the above address.
1997 Mayfly Bibliography

[Editor’s note: This bibliography was published as the Ephemeroptera portion of the 1997(1998) North American Benthological Society’s (NABS) Current and Selected Bibliographies on Benthic Biology.]

The following is a list of current publications dealing with Ephemeroptera that have been published up to and during 1997 and have not appeared in previous NABS Bibliographies. To facilitate locating abstracts and addresses of authors, the name of the index (abbreviated), volume, and abstract or item number follow each reference. Abbreviations are as follows: Biological Abstracts (BA); Biological Abstracts/Reports, Reviews, and Meetings (BA/RRM); Current Contents - Agriculture, Biology, and Environmental Sciences (CC); Dissertation Abstracts International (DAI); Entomological Abstracts (EA); Masters Abstracts International (MAI); and Zoological Record - General Insects and Small Orders (ZR). Citations for CC, DAI, and MAI include the volume, issue number in parentheses, and page number on which the reference is found. References without an abstract number were obtained from the original reprint.

I would appreciate receiving a reprint of any article that deals with mayflies, especially if it contains scientific names, so that it may be included in next year’s bibliography. Also, I would like to be informed of any corrections or omissions in this or past bibliographies. Suggestions are always welcome.

Please send all correspondence to Peter M. Grant, Department of Biological Sciences, Southwestern Oklahoma State University, Weatherford, Oklahoma 73096-3098 USA, phone (580) 774-3294, fax (580) 774-3795, email grantp@swosu.edu.

If you would like an electronic copy of this year’s mayfly bibliography, simply send me a request via email. I will send this file to you as an attachment.


Bargar, T. A.; Fisher, S. W. 1997. Molluscicide acute and sub­ lethal effects without an abstract number were obtained from the original reprint.


Wassermann, G.; Schmidt Kloiber, A. 1996. *Ephemeroptera* and...

Wang, T. Q.; McCafferty, W. P. 1996. First larval descriptions, new...

Von Kaenel, A. 1996. Benthos biocoenosis of the Aare River...

Von Kaenel, A. 1996. Addendum to the biology of the Guerbe...


Wieser, G. 1996. Distribution studies of Ephemeroptera in the Lavant Valley in comparison with data from Carinthia and literature. *Carinthia II Sonderf. 54:73-83.* (In German) [ZR 133:16402]


Address Update - New, Corrections, Changes

Changes or additions to the mailing list and email addresses since the last issue are listed below. Updated addresses will be published as they become available. Please inform the editor of any changes in postal or email addresses.

DECEASED

ROLF DAHLBY
ORKANGER
NORWAY

NEW SUBSCRIBERS/CHANGES OF ADDRESS

EJ BACON
PO BOX 3480
MONTICELLO AR 71656
USA

BJ BLASIUS
DEPT NATURAL RES
ENVIRON PROTECT DIV
7 MLK JR DRIVE SUITE 643
ATLANTA GA 30334
USA
becky_blasius@mail.dnr.state.ga.us

M DRESLER
FB BIOLOGIE AG TIEROEKOLOGIE
PHILIPPS-UNIVERSITAET MARBURG KARL
V FRISCH STR
35032 MARBURG
GERMANY
dresler@mailer.uni-marburg.de

J EHLLERS
PO BOX 1255
BURLINGTON VT 05402-1255
USA
UNCLEJAMVT@aol.com

C FISCHER
SCHMALSTEIHER WEG 8
D-24582 BRUGGE
GEEMANY

MB GRIFTH
USEPA NERL (MS-642)
26 W MARTIN LUTHER KING DRIVE
CINCINNATI OH 45268-0001
USA
griffith.michael@epamail.epa.gov

J JOHNSON
6303 SE RAMONA STREET
PORTLAND OR 97266
USA
jimjohn@teleport.com

TH KLUBERTANZ
DEPT BIOLOGICAL SCI UNIV WISCONSIN
2909 KELLOGG AVE
JANESVILLE WI 53545
USA

tkubert@uwec.edu

S KOCH
LANGERER STR 18
D-82377 PENZBERG
GERMANY

G LEHDER
4260 EID RD TKLR 56
MOSCOW ID 83843-8441
USA

PA LEWIS
USEPA
26 W MARTIN LUTHER KING DRIVE
CINCINNATI OH 45268-0001
USA

S LONG
AQUATIC RESOURCES CENTER
4410 PEYTONSVILLE RD
FRANKLINTN 37084-7615
USA
aquatres@tx.netcom.com

J MAGOBERN
Jim_Magovern@cchhoh.com

B NICHOLS
GREAT SMOKY MOUNTAINS NATIONAL PARK
1314 CHEROKEE ORCHARD ROAD
GATLINBURG TN 37738
becky_nichols@nps.gov

PODE
2111 CAMINO CT
DAVIS CA 95616
USA

J RICHTER
3228 SE 59TH AVE
PORTLAND OR 97206
USA
jrichter@teleport.com

A STAUDER
RUNZSTR 78
D-79102 FREIBURG
GERMANY
AStauder1@aol.com

KW STEWART
DEPARTMENT OF BIOLOGICAL SCIENCES
PO BOX 30520
UNIVERSITY OF NORTH TEXAS
DENTON TX 76203
USA
stewart@unt.edu

M TOKESHI
AMAKUSA MARINE BIOL LAB
TOMIOKA 2231
REIHOKU-AMAKUSA
KUMAMOTO 863-2507
JAPAN

MW WALKER
DEPT NAT RES ENVIRONMENTAL PROTECT DIV
205 BUTLER STREET SE
ATLANTA GA 30334
USA
Max_Walker@mail.dnr.state.gu.us

P ZWICK
PO BOX 260
D-36615 SCHRITZ
GERMANY
pzwick@mpg-schlitz.mpg.de

WHERE ARE THEY?
I NEED THE CURRENT ADDRESSES OF THE FOLLOWING:

M DE CASSIA SOUZA CAMPOS
FUND CENT TECH MINAS GERAIS CETEC
AV JOSE DA SILVEIRA 2800
BELA HORIZONTE: MINAS GERAIS 31170
BRASIL

MJ DUBE
RR 8 SITE 7 COMP 8
PRINCE GEORGE BC
CANADA V2N4M6
dubej000@unbc.edu

RJ HALL
DORSET RESEARCH CENTER
BOX 39 BELWOOD ACRES ROAD
DORSET ONTARIO
CANADA POA 1E0

MA MONTEAGUDO
MILITARY PUBLIC HEALTH
66 ECW CLINIC/NGPM UNIT 4095
SEMBACH AIR BASE GERMANY
APO AE 09136-5300

JF NAPOLITANO
1300 LONGCREEK DRIVE #1938
COLUMBIA SC 29210
USA

T WANG
DEPT ENTOMOLOGY 1-87 AGRICULTURE BUILDING
UNIVERSITY OF MISSOURI COLUMBIA
COLUMBIA MO
USA
cmtwang@showme.missouri.edu
First International Conference on Ephemeroptera
17-20 August 1970
Tallahassee, Florida, USA

Second International Conference on Ephemeroptera
23-26 August 1975
Kraków, Poland

Third International Conference on Ephemeroptera
July 4th-10th 1979
Winnipeg, Canada

Fourth International Conference on Ephemeroptera
4-10 September 1983
Bechyne, Czechoslovakia