

REPORT ON
THE IX INTERNATIONAL CONFERENCE
ON EPHEMEROPTERA
AND XIII INTERNATIONAL SYMPOSIUM
ON PLECOPTERA

The XIIIth International Symposium on Plecoptera was held jointly with the IXth International Conference on Ephemeroptera August 16-23, 1998, in Tafi del Valle, a small town in the mountains at about 2000m above sea level near the city of Tucuman in northwestern Argentina. Several workers interested in both mayflies and stoneflies, and some stonefly workers, attended the mayfly conference portion August 16-19. A joint session on mayflies and stoneflies was held Aug. 20, and the stonefly symposium continued on through the 23rd. More than 75 participants from 25 countries attended

The meetings were planned and convened by Dr. Eduardo Dominguez of the Facultad de Ciencias Naturales, Universidad Nacional de Tucuman, and his organizing committee. He opened with a welcoming address, thanking the many contributors and sponsors (26 were listed in the program). Eduardo and his wife Maria were gracious hosts, providing excellent facilities and superb opportunities for fellowship, local cultural and folklore entertainment and food, field trips and help with arranging post-conference tours. Highlights of the informal portion of the meetings were special evening receptions, luncheons, conference dinners, day-tours and collecting trips to area streams, historic native Quilmes ruins and a local ranch and cheese factory. The Standing Committee has formally expressed its appreciation for the hard work and planning by Eduardo and his committee, and we echo the feeling expressed in the Mayfly Newsletter by Editor Peter Grant - **Fantastico!**

The joint session and stonefly portion of the program are reprinted here, including the invited lecture by Jack Stanford and invited video presentation by Ken Stewart. Papers from these meetings will be published in the Proceedings. Eduardo informed your managing editor that the reviewing process for the Proceedings was near completion in March, 1999, and that the manuscripts were being sent to authors for changes and corrections.

PROGRAM
JOINT SYMPOSIUM ON MAYFLIES AND STONEFLIES
XIII INTERNATIONAL SYMPOSIUM ON PLECOPTERA
THURSDAY 20

9:00 Registration of Plecoptera Symposium

10:00 Symposium Opening Ceremony and Welcome Address

10:30 COFFEE BREAK

JOINT SYMPOSIUM ON MAYFLIES AND STONEFLIES
Chairman: Peter LANDOLT

11:00 "Importance of floods on the Mayfly and Stonefly populations in Spanish temporary streams". PUIG, M. A.; H. RIOS & M. FERRERAS-ROMERO.

11:20 "Functional classification of *Klapopteryx kuscheli* by gut content analysis and food preference experiments". ALBARINO, R. & D. ANON SUAREZ.

11:40 "Production of Ephemeroptera and Plecoptera: LANDOLT, P.; J. THUER & D. STUDEMAN.

12:00 LUNCH

14:30 COMPUTER DEMONSTRATION by Dr. J. M. ELOUARD

15:30 COFFEE BREAK

16:00 POSTER PRESENTATIONS: JOINT SYMPOSIUM

- 1. - "Epirhithral communities of Mayflies (Ephemeroptera) of the Odra river basin (Czech Republic)". MERGL, A.**
- 2. - "A comparison of methods for analysis of the life history of *Pteronarcys californica* (Plecoptera) in an Alberta river". TOWNSEND, G. D. & G. PRITCHARD.**
- 3. - "Stoneflies of Taiwan within the Oriental stonefly fauna diversity". SIVEC, I. & P. S. YANG.**
- 4. - "Seasonal variation of the Neotropical Community of Ephemeroptera on four streams". MALDONADO, V.; B. PEREZ & C. CRESSA.**

17:00 COMPUTER PRESENTATION: "Multimedia, Plecoptera, Ephemeroptera, and general entomology: use of CD ROM and WWW technology for teaching and learning. NELSON, C. R.; R. A. OURSO & M. TRAUTWEIN.

18:30 INVITED LECTURE: "To burrow or not to burrow: the ecology of mayflies and stoneflies at the interface between surface and ground water" by DR. JACK STANFORD.

FRIDAY 21

**Joint Day Field Trip: from Tafi del Valle to Amaicha del Valle and Quilmes
Archaeological Ruin**

SATURDAY 22

SECTION I: ECOLOGY AND SYSTEMATICS

Chairman: Claudio FROEHLICH

**9:00 "The African *Neoperla* (Plecoptera: Perlidae) revisited: towards an overdue
revision". ZWICK, P.**

**9:20 "Egg development of *Dinocras cephalotes* (Plecoptera: Perlidae) at its
altitudinal limit". SAND, K. & J. E. BRITAIN.**

**9:40 "A taxonomic study on the family Perlidae from China
(Plecoptera: Perloidea)". DU Y.**

**10:00 "Levels of genetic differentiation and variability in populations of *Dinocras
cephalotes* (Curtis, 1827) in central Italy (Plecoptera, Perlidae)".
FOCHETTI, R.; V. IANNILLI; V. KETMAIER & E. DE MATTHAEIS.**

10:30 COFFEE BREAK

**11:00 VIDEO PRESENTATION "Vibrational communication and
mate searching behavior of Arctoperlarian Stoneflies".
STEWART, K. W.**

12:30 LUNCH

**14:30 "Colombian *Anacroneuria* (Insecta: Plecoptera: Perlidae):
Biodiversity and distribution". STARK, B. P. & M. del C. ZUNIGA**

**14:50 "Adaptation to hypoxia by hyporheic stoneflies". ELLIS, B. K.; P. J.
WATSON & J. A. STANFORD.**

**15:10 "Longitudinal and seasonal variation of winter stoneflies (Plecoptera:
Capniidae) of the southern Sierra Nevada, California, USA".
NELSON, C. R. & D. GIULIANI**

**15:30 "A synopsis of the Neotropical Perlidae (Plecoptera)".
STARK, B.**

16:00 COFFEE BREAK

16:30 POSTER PRESENTATIONS

**1. - "*Guaranyperla*, a new genus in the Gripopterygidae (Plecoptera).
FROEHLICH, C.**

2. - "Morphology of hammer and drumming signals of *Gibosa* and *Kiotina* (Perlidae)". HANADA, S. & H. MARUYAMA.
3. - "Description of the nymph of *Kempnyia tijucana* Dorville & Froehlich (Plecoptera, Perlidae), with notes on its development and biology". DORVILLE, L.F. & C.G. FROEHLICH.
4. - "*Sphaeronemoura*, a new genus of the Amphinemurinae (Plecoptera, Nemouridae) from Asia". SHIMIZU, T. & I. SIVEC.
5. - "Imaginal biology of *Hemimelaena flaviventris* (Pictet, 1841) (Plecoptera, Perlodidae)". TIerno DE FIGUEROA, J. M.; J. M. LUZON ORTEGA & A. SANCHEZ-ORTEGA.
6. - "Taxonomic study of *Leptoperla* and *Riekoperla* Stoneflies (Gripopterygidae: Plecoptera) in Australia". TSYRLIN, E.
7. - "Eggs of the Spanish Stoneflies (Plecoptera)". UBEROPASCAL, N. A.; A. G. SOLER & M. A. PUIG.
8. - "Plecoptera fauna of Capniidae of Russia and adjacent territories (Within the limits of the former USSR)". ZHILTZOVA, L. A.
9. - "On the morphology and fine structure of the alimentary canal of *Paragnetina media* (Walker)". KAPOOR, N. N.
10. - "Systematic and Biogeographical relationships of Plecoptera (Insecta) between Korea and far East Russia". KIM, J. S. & J. BAE.
11. - "Zonation and Zoogeographical characteristics of the west Carpathian (Slovakia) stonefly fauna". KRNO, I.

17:30 Open Discussion Group & Business Meeting

18:30 INVITED LECTURE: "Mayflies and Stoneflies in tropical streams: is there a link between biodiversity and functional significance? By Dr. DAVID DUDGEON.

20:00 Folklore Exhibition

SUNDAY 23

9:30 Visit to Estancia "Las Carreras"

12:00 Symposium Lunch and Life Time Awards

15:30 End of Symposium

PARTICIPANTS



XIII INTERNATIONAL SYMPOSIUM ON PLECOPTERA

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