

Mine Water Notes

A Word from the Mine Water Notes Editor

For those of you who missed the last issue, Mine Water Notes serves as the newsletter for the International Mine Water Association. Those of you who did read the last issue might have noticed that the printing quality was less than desirable for some sections. That was our first effort in publishing our journal with a large printing house and a few problems occurred. We are working together with Springer, the printer, to try to exclude such misfortunes in the future. We will do our best to optimise the processes, from editing to distribution. You will notice several small changes in the next two or three issues; we look forward to your feedback.

Overshadowing the publishing of our first new issue was the news of the sudden death of our Vice President and past Treasurer Dr. Vladimir Straskraba. His death caused a shock to all of us and the gap Vladimir left can hardly be filled by anybody else. No words can express our sorrow at this loss of a friend and colleague.

Our next issue will be dedicated to Vladimir Straskraba. If you want to publish a paper, please send it to either of the editors.

Chris Wolkersdorfer, Freiberg/Saxony

To the Friends and Associates of Vladimir Straskraba.

As many of you know, Vladimir's true love was skiing, ski racing and teaching new people to race. Vladimir remained active in his division, racing this year. His family has requested that instead of sending flowers, that donations be made to the "United States Ski and Snowboard Foundation" (U.S.S.A.), in the name of Vladimir.

The following information will be needed if you want to make a donation in his name.

1. Make the check payable to: "United States Ski and Snowboard Foundation"
2. In the "memo" portion of the check, please be sure to write "In the memory of Vladimir Straskraba" or "Vladimir Straskraba" to ensure that the donation will be placed in the fund for his memory.

3. Mail the check to: United States Ski and Snowboard Foundation

Attn: Martha King
PO Box 100
Park City UT 84060

In several weeks, the donor should receive a letter from the U.S.S.A. acknowledging the contribution in the memory of Vladimir. Your donations are appreciated and will help to perpetuate the memory of this wonderful man.

The family wishes to thank you for all your kind thoughts, prayers and support at this time.

Karel Bammes, TRC Project Coordinator (for Martin Jarolimek, stepson of Vladimir)

ERMITE – Environmental Regulation of Mine Waters in the European Union

ERMITE is a shared-cost action project funded by the European Commission Fifth Framework Programme under the Key Action Sustainable Management and Quality of water. The project will start on the 1/2/2001 and run for three years.

The goal of this project is to provide integrated policy guidelines for developing European legislation and practice relative to water management in the mining sector. These guidelines need to be consistent with the catchment management approach defined by the Water Framework Directive and the sustainability principles enshrined in the Amsterdam Treaty.

This goal will be achieved by interactively addressing the multiple facets of this problem at two different levels:

- a. Integration of the variety of regional and national conditions in the EU (European Union) Member States and in countries from Eastern Europe involved in the enlargement process.
- b. Integration of disciplines: environmental technology and management of mine waters, institutional structures and European law and policy.

To this end, ERMITE has the following objectives:

1. Analyse the different environmental, social, technical, economic, institutional, and legal is-

sues involved in the regulation of mine waters in six representative case studies.

2. Provide an overview of these issues for the whole of the EU and the enlargement countries in Eastern Europe.
3. Establish a network for stakeholder dialogue and evaluation of institutional arrangements and policies.
4. Assess different technical and managerial options for mine water management in a catchment context, including methods for economic evaluation.
5. Propose avenues for the integration of the European policies that influence mine water management, taking into account the existing ecological and legal principles of EU environmental legislation.
6. Develop a coherent set of guidelines for use by the European Commission.

The ERMITE Consortium partners are: University of Oviedo (Spain, Coordinator), University of Newcastle Upon Tyne (UK), Institute for Prospective Technological Studies (Joint Research Centre, Seville), Netherlands Institute for Ecology, University of Exeter (UK), Royal Institute of Technology (Sweden), Technical University and Mining Academy Freiberg (Germany), Institute for Mining, Geotechnology and Environment (Slovenia) and Hydro-Engineering Institute (BiH). In addition to several national and international stakeholders, the International Mine Water Association will also play an important role.

For more information about ERMITE, contact Prof. Jorge Loredó (Escuela de Minas, Universidad de Oviedo, E-Mail: jlored@correo.uniovi.es or visit our website www.minewater.net/ermite.

Book review

Selley R C. 2000. *Applied Sedimentology*, 2nd Edition. Academic Press, San Diego, 523pp.

Twelve years after its first edition, Richard Selley now presents the second edition of his “Applied Sedimentology”. Being professor at the Royal School of Mines, London, Richard Selley has a broad experience in the mining and oil industry. “Applied Sedimentology” describes in three parts

the history of sediment, from rock to sediments and back to rock. Selley, in his descriptions, focuses on sedimentary processes linked to mineral and hydrocarbon deposits, but he always starts from general structures that can be found in sediments and sedimentary rocks. Therefore, his book is of great use in understanding all aspects of exploration, mining, and reclamation of sedimentary deposits.

Generally, the text is understandable – sometimes refreshing – even for the less experienced scientist or interested engineer. It can be seen that the author enjoys describing sedimentary processes and when Selley calls interpretative sketch drawings “geophantasmograms,” the reader knows that jokes are not foreign to him.

Numerous, mostly excellent graphical sketches and black and white photographs support the text and ease the understanding of sedimentary processes. Eight colour plates with thin sections and drawings of sedimentary environments are a useful addition to the subject. The binding of the book is of good quality – as if the author and the publisher want the second edition to last another 12 years.

In summary, Richard Selley’s “Applied Sedimentology” can be recommended to mining engineers, geologists, and postgraduate students who want to understand the sedimentary processes that occurred before and after the deposit’s emplacement and that caused its evolution.

Chris Wolkersdorfer, Freiberg/Saxony

IMWA Symposium 2001 – Brazil

Promotion: International Mine Water Association – IMWA & Instituto Brasileiro de Mineração – IBRAM

DATE: April 24 to 28, 2001

VENUE: Centro de Feiras e Convenções de Minas Gerais – EXPOMINAS; 6020, Amazonas Ave.; Gameleira – Belo Horizonte – MG – Brazil.

IMWA PRESENTATION: Peet Nel, President of the International Mine Water Association; Christian Wolkersdorfer, Secretary General of the International Mine Water Association.

LECTURES

- *Environmental Impact Assessment Applied to Mining Projects*

Rafael Fernandez-Rubio and Andrés León, FRASA Consulting Engineers, Spain.

- *Studies of Pit Lake Formation After the Completion of Mining*

Vladimir Straskraba (†) and David Hay, TRC Hydro-Geo Consultants, U.S.A.

- *Sealing of Underground Mines, Post-mine Closure and Environmental Control*

Adrian Brown, Adrian Brown Consultants INC. Denver, U.S.A.

- *Mine Dewatering*

Peet Nel, Shaft Sinkers, Sandton, South Africa; Colin R. Dudgeon, University of New South Wales, Sydney, Australia; Peter James Norton, Peter J. Norton Associates, Richmond, United Kingdom.

- *An Overview of Acid Drainage Treatment*

Peter James Norton, Peter J. Norton Associates, Richmond, North Yorkshire, United Kingdom; Robert L. P. Kleinmann, U. S. Department of Energy, Pittsburgh, U.S.A.

ROUND TABLE DISCUSSION

- *Environmental Aspects of Mine Reclamation and Closure*

COORDINATOR: Vladimir Straskraba (†), TRC Hydro-Geo Consultants, Denver, Colorado

PARTICIPANTS: Dirk Van Zyl, Reno University, Reno, USA; José Maurício dos Reis, Minerações Brasileiras Reunidas S.A.– MBR, Brazil; Nick Allen, BHP Mineral, Australia; Robert L.P. Kleinmann, U. S. Department of Energy, Pittsburgh, USA; Willer Hudson Pós, Instituto Mineiro de Gestão das Águas – IGAM, Brazil

DEBATERS: Adrian Brown, Adrian Brown Consultants, USA; Antônio Carlos Girodo, UFMG, Belo Horizonte, Brazil; Miran Veselič, Institute of Mining, Geotechnology and Environment, Slovenia; Peter James Norton, Peter J. Norton Associates, United Kingdom; Rafael Fernández-

Rubio, FRASA Consulting Engineers, Madrid, Spain.

A full program can be found through a link at IMWA's homepage <http://www.imwa.de>

Antonio Carlos Bertachini, Belo Horizonte/Brazil;
Chris Wolkersdorfer; Freiberg/Saxony

Forthcoming Events

26th - 30th March 2001, Sheffield, UK

Professional Development Course: Mine Water Pollution; e-mail: hydroinformatics@ncl.ac.uk; <http://www.ncl.ac.uk/hydroinformatics/>

24th - 27th April 2001, Belo Horizonte, Brazil

International Mine Water Association Symposium: Mine Water & The Environment; e-mail: mdgeo@gold.com.br; <http://www.imwa.de>

3rd - 7th June 2001, Albuquerque, NM, USA

American Society of Surface Mining and Reclamation; e-mail: rbarnhis@ca.uky.edu

25th June – 1st July 2001, Skellefteå, Sweden

Securing the Future: International Conference on Mining and the Environment; The Swedish Mining Association; <http://www.mining.se/securing2001.html>

11th - 13th September 2001, Ashurst, UK

River Basin Management 2001; First International Conference on all aspects of Hydrology, Ecology, Environmental Management of Rivers, Flood Plains and Wetlands; e-mail: shantley@wessex.ac.uk; <http://www.wessex.ac.uk/conferences/2001/river01/>

16th - 20th September 2002, Freiberg, Germany

Uranium Mining & Hydrogeology III including the International Mine Water Association Symposium; e-mail: umh@imwa.de; <http://www.imwa.de>

15th - 19th September 2003, Ljubljana, Slovenia

IAH conference: Groundwater in Geological Engineering; e-mail: miran.veselic@i-rgo.si