

HEALTH-RELATED WATER MICROBIOLOGY

NEWSLETTER

July 2001

BERLIN CONGRESS – 15-19 OCTOBER 2001

By now members should have received the invitation to register documentation. Track 8 of the Congress is Health Standards and Monitoring and it is here that input from the HRWM Group occurs. The announcement does not give much in the way of detail about contributions but below is the list of papers for the oral sessions. In addition on Monday 15th October an informal open meeting of the Group will be held.

Pathogens in drinking water and microbial surveillance

Assessment of the risk of infection associated with Coxsackie B viruses in drinking water – *Vivier et al*

Helicobacter pylori: a possible waterborne pathogen – *Percivall et al*

Solar disinfection of drinking water protects children aged under six years against cholera – *Conroy et al*

Enteric viruses in drinking water supplies - *Wyn-Jones et al*

A new approach to bathing water surveillance - *Höller*

Hygienic risk assessment by monitoring pathogens in municipal sewage - *von Bonsdorff et al*

GIS-supported study of the microbial impact of sewage treatment plants to a creek – *Herbst et al*

Isolation and characterization of *Escherichia coli* O157:H7 and shiga toxin 2-converting bacteriophages from strains of human, bovine and porcine origin - *Müller et al*

Cryptosporidium

International Review

Proficiency testing of *Cryptosporidium* and *Giardia* analyses - an Australian case study – *Roser et al*

Cryptosporidiosis and hotel swimming pools: a multifaceted challenge - *Cartwright and Colbourne*

Assessing the potential risk due to the presence of *Cryptosporidium* oocysts in water: the Lyonnaise Des Eaux approach – *Charles et al*

Using turbidity and particle counts to monitor *Cryptosporidium* removals by filters - *Huck and Coffey*

Susceptibility of multiple strains of *Cryptosporidium parvum* oocysts to UV light – *Clancy et al*

Monitoring *Cryptosporidium* and *Giardia* in a large and complex catchment (Warragamba, Sydney) to develop an improved risk management strategy for providing drinking water - *Hawkins et al*

***Cryptosporidium* methods and general microbiology**

Molecular detection and quantitation of *Cryptosporidium parvum* parasite in water using immunomagnetic-separation-PCR and real-time quantitative PCR - *Guillot and Fontaine*

Evaluation of ICR Protozoan Method and Method 1623 for detecting *Giardia* and *Cryptosporidium* in water samples – *Hsu et al*

A fast and sensitive nucleic acid extraction method for the detection of *Cryptosporidium* by PCR in environmental water samples – *Dellundé et al*

Advanced strain detection techniques for *Cryptosporidium parvum* – *Haydon et al*

Estimating *Giardia* cyst viability using RT-PCR - *Maux and Schwartzbrod*

Determination of cytotoxicity and invasiveness of heterotrophic plate count bacteria isolated from drinking water – *Pavlov et al*

Inactivation of *Helicobacter pylori* in water – *Altieri et al*

Comparison of decay rates of faecal indicator organisms in recreational coastal water and sediment – *Craig et al*

Pathogen behaviour in the environment

Retention of indicator and pathogenic organisms in constructed wetlands – *Hagendorf et al*

Surface and subsurface irrigation with effluents of different qualities and presence of *Cryptosporidium* oocysts in soil and on crops – *Armon et al*

Virus removal by soil passage at field scale and groundwater protection of sandy aquifers - *Schijven and Hassanizadeh*

Particle transport in a karst aquifer: natural and artificial tracer experiments with bacteria, bacteriophages and microspheres – *Auckenthaler et al*

In addition, a poster session will be held.

Berlin Registration

For registration please fill in your personal registration form which you should have received with the “Advance Programme” and sent it via fax to our congress office:

IWA-Berlin Registration
Postfach 110530
Fax: +49 (0) 212 2606 207

or register online via Internet www.world-water-congress.de

For any questions concerning the congress or the registration please don't hesitate to call the hotline: +49 (0)212 2606 369

MELBOURNE SYMPOSIUM – 7-12 APRIL 2002

DEADLINE REMINDER

The Group is to hold its 11th Symposium in Melbourne, Australia at the same time as the IWA Biennial of 2002 (www.iwa-2002.com).

ORAL ABSTRACTS – 28TH JULY 2001

POSTER ABSTRACTS – 1ST NOVEMBER 2001

These dates are absolute! Abstracts for oral papers postmarked later than 28th July may only be considered for poster presentation and no abstracts will be considered if marked later than 1st November.

Extended abstracts must not exceed 700 words (2 pages) and should describe the objectives, present summary findings and give the conclusions of the report. Tables and figures may be included in support of the abstract. It is essential that reports are relevant to the theme of Health-Related Water Microbiology. Any not meeting this requirement will be returned to the author.

Abstracts should be emailed only to hrwm.melbourne@ntlworld.com and not to any other address! All abstracts received will be acknowledged.

A Programme Committee will determine the final oral programme based on abstracts received by 28th July 2001 and no correspondence about the Committee's decision will be allowed.

Proceedings

The authors of all papers selected as part of the oral and poster programmes will be invited to submit a manuscript of their report. Manuscripts will not exceed 8 pages in length and **will have to be produced strictly** according to the guidelines that will be sent to each author. The last postmarked date for receipt of manuscripts will be 21st January 2002.

Manuscripts received after this date or that do not conform to the manuscript preparation guidelines will be returned to the authors.

[These apparently harsh conditions are to enable the Proceedings to be more rapidly produced than was the case with the Paris publication. In the first instance, the onus is on authors to minimise such delays by producing correctly presented manuscripts.]

It is hoped that the Proceedings will be published within a few months of the holding of the Symposium as a special issue of Water Science & Technology.

ELECTION OF SECRETARY - REMINDER

At the Group meeting at Paris, it was decided that the posts of Chairman and Secretary should become vacant in rotation. Each post is for a period of two biennials (four years) and at the Melbourne Group meeting the post of Secretary will become vacant.

See April Newsletter for details of the election procedure.

1st October 2001 – nominations to be received

1st November 2001 – ballot issued

1st January 2002 – ballot closes

April 2002 – announcement of result at Melbourne Symposium

All nominations with seconders should be sent to the Secretary at microbe@ntlworld.com

Receipt of all nominations will be acknowledged.

JOINT IWA-AWWA CONFERENCE

2002 INTERNATIONAL WATERBORNE PATHOGENS SYMPOSIUM

Plans are advancing quite well for this meeting in Lisbon, Portugal in 2002 to address the problems of "Waterborne Pathogens". The tentative dates are 22-25 September and it is planned to have a mixture of paper types including invited speakers on hot topics of the day. More details as and when we have them!

IWA MEMBERSHIP COMPETITION

Don't Miss Out!

Have you entered our membership competition Member Mania? If not, you are missing out on winning some great prizes.

Become an Ambassador for the IWA by recruiting as many new members as you can and you have the chance to win an all expenses paid trip to our World Congresses in Berlin in Oct 2001 and Melbourne in 2002, plus a lot more free gifts.

By becoming an Ambassador you will play an important role in further strengthening IWA as a leading worldwide water association.

To find out more about the competition and how you can enter click on our website www.iwahq.org.uk or contact Amanda White at IWA HQ on +44 (0) 20 76545500.

Don't forget to have your colleague enter your name in the Sponsor section of the application form to enable you to claim your points and prizes!

NEW BOOK from IWA Publishing

Water Quality: Guidelines, Standards & Health
Risk Assessment and Management for Water Related Infectious Disease
Editor(s): L Fewtrell, J Bartram

The potential to increase consistency in approaches to assessment and management of water-related microbial hazards was tackled by an international group of experts during 1999 and 2000. The group included experts concerned with drinking water, irrigation and wastewater use and recreational/bathing water. It included individuals with expertise in public health, epidemiology, risk assessment, risk management, standards and regulation, communication and economics. At a meeting in Stockholm at the end of 1999 a harmonised framework was developed, intended to inform guideline development. Following the meeting, reviews addressing the principal issues of concern linking water and health to the establishment and implementation of effective, affordable and efficient guidelines and standards

were progressively developed and refined. These reviews provide the substance of this book.

This book will be useful to all those concerned with issues relating to microbial water quality and health, including environmental and public health scientists, water scientists, policy makers and regulators.

Publication Date: July 2001

Pages: 440

ISBN: 1900222280

IWA Members Price: £57.00 / US\$89.00

Non Members Price: £75.00 / US\$114.00

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FUTURE NEWSLETTERS

It is hoped that, in order to keep members of the Group informed on matters of interest that short Newsletters of the April and June types would be published, via email, every two months up to the Melbourne Symposium.

Contributions always welcome! Please send to

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Next issue: September 2001 – deadline for contributions is August 25th!