

A date for your Diary:
20 September 1999
IWA Launch Day in Buenos Aires
(see details inside)



International Water
Association

Newsletter

No.2-June 1999

The Die Is Cast

IN THE FIRST ISSUE OF THE IWA NEWSLETTER NICK HOOD, President of IWSA, set the scene for the imminent IAWQ/IWSA merger. Since then, a last meeting of the merger coordinating group (MCG) was held in London, 12-13 May 1999, to do the final fine-tuning. The formal inauguration of IWA will be end July 1999, and the public launch at the opening session of the World Water Congress in Buenos Aires, 20 September 1999. So, the die is cast, and the process can no longer be stopped. Not that anyone would like to stop it! Throughout the negotiation process, carried forward by the MCG, it was clear that a common vision prevailed, which ensured that all discussions proceeded in a spirit of 'what is best for IWA', with vested interests rapidly fading away. Furthermore, based on comments during personal contact, it is evident that the members of both associations supported the merger en masse. Of course, some members expressed areas of concern, but I believe the members of the MCG were very sensitive to such issues, and exercised their collective wisdom to iron them out to the best of their ability. I believe that the advent of IWA is indeed an exciting development in the global water sector. I say this for three reasons:

It confirms and consolidates a trend that became manifest over the last decade or so, namely a more integrated approach towards urban water management. The combination of clean and dirty water issues in a single international association is a major step towards accelerating the process.

IWA can actively promote research and field testing of integrated approaches and the exchange of relevant knowledge and experience. This will be facilitated by the greater degree of interfacing between research and practice in IWA, compared to its two predecessor organisations.

Through representing both clean and dirty water issues, IWA will be better positioned than either IAWQ or IWSA separately, to transfer knowledge to developing countries, particularly working in partnership with international agencies.

Two new structures are being put into place to capitalise



on the opportunities offered, namely the Management and Policy Council, and the IWA Foundation. The Council will consist of some 12 core members, but all Governing Members will be able to nominate additional members, thereby allowing the Council to draw on a wide range of knowledge and experience. The Foundation will focus on the needs of developing countries, by raising and using funds to promote capacity building and technology transfer in areas not being adequately addressed by others. These initiatives will be undertaken in partnership with other organisations where possible.

Thanks to Tony Milburn and Mike Slipper for all their hard and creative work in developing documentation for the MCG, and to the members of the MCG for their dedication and determination in bringing the merger concept to fruition. It was a privilege to have been part of the process.

Piet Odendaal
President IAWQ

IWA launch in Argentina

The International Water Association will be formally launched on 20 September 1999. The event will take place in the Sheraton Hotel, Buenos Aires, as part of the opening ceremony of the IWSA World Water Congress at which Professor Malin Falkenmark will be the key-note speaker. Professor Falkenmark, a senior scientist at the Stockholm International Water Institute, has recently been elected to the UN Committee on Energy and Natural Resources and Development.

This marks the culmination of a great deal of planning and hard work since the decision was made in 1996 to merge IWSA and IAWQ. Delegates are expected to attend from over

100 countries to take part in the Buenos Aires Congress and witness the historic launch of the IWA.

The traditional General Assembly and Members Meeting listed in the programme to be held on 18 September, will not now take place, due to the formation of the new Association. A full board meeting will be held on that day and its conclusions will be fully reported to members.



We are all customers

Profile of Mike Slipper, Executive Director of IWSA

Michael Slipper is a chartered civil engineer who has devoted his entire career both nationally and internationally to the water industry. This experience is rooted in the needs of water users and he has a strong sense that IWA's chief role is to support its members in the task of providing those services. As Deputy Director, he will have the responsibility for IWA's technical and membership programmes.

This practical experience, gained initially with the East Cornwall Water Board, involved every facet of the business from distribution to dam construction. From there, he moved to the Chelmsford Sewerage Committee and later to the Essex Water Company where he was involved, firstly in capital projects and, secondly, in forward planning for new resources.

In 1980, Mike joined the UK Water Research Centre (WRC) managing R & D projects concerned with the management of distribution systems and developing the new technologies for instrumentation and control systems. As WRC began to develop its commercial

business, he took a responsibility for directing international projects.

WRC was a keen supporter of IWSA and Mike was able to play an active role in the Association's affairs as a member of the Scientific and Technical Council and Chairman of the Standing Committee on Distribution and also by contributing regularly to Congresses and Specialised Conferences.

The past decade has been one of great change in the water industry worldwide and in his position of Executive Director of IWSA undertook the changes of procedure and direction for which members were calling. The change of the name to International Water Services Association reflected the need to see water supply and wastewater management as one entity. Hence, it was a logical step to merge IWSA and IAWQ to create a powerful new organisation to represent its members interests - the new IWA. Mike is strongly in favour of the merger as he believes that the stronger membership profile of IWA will enable us to grow to a point where we are able to

promote the best practice on an international stage.

There are, he believes, immense opportunities for IWA, particularly building on members' national committees and regional networks, which will be vital to the new organisation and its global perspective. He also wants to bring research and practice closer together as, the sooner the results of R & D can be brought into the market place, the quicker customers reap the benefits. 'We must respect the influence of R & D to inspire and drive technical improvements'. IWA can make this happen by providing a forum in which practitioners and researchers work effectively together and bridge the gap between the two.

From this kind of knowledge sharing will come the confidence to engage in advocacy at the highest levels of decision-making. Because of its strong, unified membership and professional credentials, IWA will have an influential voice in the world of water affairs. Mike believes that well-established national and regional representation,



reflecting local priorities, will be vital to the new organisation. 'We must be mindful of all our members' needs', he says, 'whether they operate in industrial or developing economies'.

The customer service ethic is at the heart of IWA's aspirations. 'The Association and its members have customers', says Mike, 'they are the people, wherever they live, who use water and sanitation services'. By extension, all customers are linked to IWA. 'What we are about,' says Mike, 'is supporting our members in every sphere - R&D, consultants, manufacturers and suppliers - in their resolve to provide the best possible service'.

Strength and Diversity

Although they have worked with different organisational structures, both IAWQ and IWSA have shared the aim of involving members through their participation in specialist groups and committees. These communication networks, and the diverse knowledge and experience they

represent, have been an important driving force for both organisations. IAWQ's 35 topic-oriented specialist groups have their own agenda and manage their own affairs while IWSA's 16 committees are accountable to the scientific and technical council.

The work of these groups will provide much of the energy and drive behind IWA. By harnessing their wealth of experience and knowledge covering every aspect of water and wastewater practice, IWA will be empowered to meet its wider organisational objectives.

IAWQ Specialist Groups

Aerobic digestion
Particle separation
Volatile atmospheric emissions from wastewater systems
Design, operation and costs of large wastewater treatment plants
Health-related water microbiology
Instrumentation, control and automation
Hazard assessment and control of environmental contaminants
Nutrient removal processes from wastewaters
River basin management
Systems analysis and computing in water quality management
Tastes and odours

Urban storm drainage
Use of macrophytes in water pollution control
Wastewater reclamation, recycling and reuse
Wastewater treatment systems utilising submarine outfalls
Waste stabilisation ponds
Activated sludge population dynamics
Pulp and paper industry wastewaters
Chemical industries
Water and waste technology and management strategies for developing countries
Management and institutional affairs
Sludge management
Biofilm processes
Eutrophication

Environmental restoration
Reservoir protection, management and water treatment
Diffuse non-point source pollution
Design and operation of small wastewater treatment plants
Membrane technology
Environmental engineering education
Contaminated aquatic sediments
Landfill management of solid wastes
Pretreatment of industrial wastewaters
Biofouling and biocorrosion
Adsorption

These IAWQ specialist groups have considerable autonomy. They elect their own leaders, have their own regular conferences and produce newsletters, reports and scientific papers. Membership of the groups is open to any member of IAWQ and, because of this, the expert networking opportunities are very strong.

IWSA Committees and Task Forces

Management Division

Management organisation, training and education
Benchmarking and performance monitoring
Training and assessment systems
Organisation of water supply - public and private

Statistics and economics

Statistics
Tariffs and finance
Performance indicators

Public relations

PR workshops
IWSA PR awards
PR directory
Customer relations
Education/awareness training

Information systems

Basic equipment
New developments
Online control systems

Distribution Division

Planning and construction
Planning and design
Construction
Environmental assessment

Operations and maintenance

Rehabilitation
Performance indicators
Unaccounted for water

Materials and corrosion

Corrosion handbook
Lead
Materials selection

Resources Division

Surface water
Qualitative aspects
Accidental pollution
Drinking water sources protection
Database on quality of major resources

Groundwater

Artificial recharge of aquifers
Active management of groundwater
Protection of groundwater (legal aspects)

Watershed and reservoirs

Reservoir siting and sizing
Reservoir eutrophication
Drinking water source protection

Water Quality Division

Particle removal

Colloid chemistry, coagulation, flocculation and precipitation
Flotation, sedimentation and filtration
Treatment and utilisation of sludge from treatment plants
Detection and characterisation of particles

Dissolved substances removal

Algal metabolites
Biological processes
Removal of pollutants from domestic waste
Arsenic and fluoride
Removal of natural organic matter
Manganese and iron
Nitrates

Disinfection

Primary disinfection principles
Design of facilities for primary disinfection
Distribution system residuals
Disinfection by-products

Advanced treatment

Water reuse
Ultra and micro filtration
Nano and hyper filtration

Standards of monitoring

Modelling water treatment processes
Disinfection by-products and standards
Measuring for compliance
Rapid microbiological analysis methods

Appropriate technologies

Small in-line/on-tap treatment systems
Unconventional coagulation/disinfection
Field work and quality control

The diversity of this network provides every member of IWA with a channel of communication and a means of participating in the Association's work. Reports of these specialist groups and task forces will be posted on the Internet to disseminate their findings as widely as possible.

World Water Congress

The IWA launch at the World Water Congress in Buenos Aires will be the prelude to a five-day programme of technical sessions, workshops and visits. A series of International Reports will set the scene for water and wastewater services as we approach the next Millennium. A range of technical challenges and opportunities will be discussed with a full supporting programme of special subjects covering current operational practices. Overall, speakers and national rapporteurs from 36 countries will contribute.

International Reports:

- *The use and management of service contracts - participation of the private sector*
- *Investment policies and strategies*
- *Regulation of drinking water and wastewater*
- *Water quality and public health*
- *Water demand management and conservation, including water losses control*
- *State-of-the-art regarding on-line control and optimisation of water systems*
- *Understanding and meeting the needs of your customers through effective communication strategies*
- *The present state of sewage treatment*

International Training Foundation Seminar:

- *Extending water and wastewater services to peri-urban areas and informal settlements*

AIDIS Pre-Congress seminars:

- *Biosolids disposal*
- *Applications of ozone for drinking water and wastewater treatment*
- *Reuse of treated sewage effluents*

* AIDIS - Inter-American Association of Sanitary Environmental Engineering

The IWSA World Water Congress and Exhibition takes place in Buenos Aires, Argentina from 18 to 24 September 1999.

For a Programme and Registration details you are invited to contact Toby Cray, Tel: +44 171 799 1321; Fax: +44 171 222 7243; e-mail: toby.cray@iwsa.org.uk and, for more information, to visit www.iwsa.org.uk.

The International Water Association - an opportunity for change

Globalisation is here to stay. As a result, we are presented with a variety of new challenges but also some great opportunities. The opportunities could not have come at a better time, since water and wastewater utilities worldwide are facing increasing demands for high quality service, effective stewardship of water resources and efficient operations. Regulatory pressures and customer expectations are at an all time high.

The opportunity we have is to face these challenges together rather than in isolation. The exchange of experiences and technical know-how can be a powerful tool.

The merger of the International Water Services Association and the International Association for Water Quality into the International Water Association (IWA) opens the door for us to take full advantage of this too! The IWA will be able to provide a global perspective to both drinking water and wastewater issues. In addition, it will also bring the experiences of practitioners and researchers from around the world to bear on these issues.

The IWA provides water and



wastewater professionals in North America a unique opportunity to provide and gain valuable insight into the challenges that confront us. Our understanding of source protection, treatment technology, residuals management, the changing nature of disinfection, appropriate technology for small systems, and a host of other questions can be enhanced by involvement with IWA.

This is an opportunity we must exploit. Our world is changing very quickly - international participation and collaboration can help us cope with these changes

Jack Hoffbuhr, P.E., DEE
Executive Director - AWWA

Merger Progress Report

The Merger Coordination Group met in London on 12 and 13 May. The meeting concluded successfully with agreement reached on several points vital to maintaining the momentum of the merger timetable. Drafting of the Constitution has been finalised and the first draft of the Bylaws approved. Agreement was also reached on the timetable for the legal and financial aspects of the merger. Vesting Day has been scheduled to occur by 26 July 1999.

Recommendations were made regarding the leadership of the Scientific and Technical Council (STC), consisting of 12 members, and the Management and Policy Council (MPC) which comprises 24

members. There is no overall limit on the total number of national appointees to the MPC. These two bodies will spearhead the way forward for the new organisation. Professor Laszlo Somlyody (Hungary) is proposed as chairman of the STC, with Michael J Rouse (UK) as vice-chairman. Jerry B Gilbert (USA) is proposed as chairman of the MPC, with Dipl-Ing Ludwig Pawlowski (Germany) as vice-chairman.

Theo Martijn (The Netherlands) is proposed as chairman of the IWA Foundation with Professor Herman Hahn (Germany) as vice-chairman. Professor Mogens Henze (Denmark) is proposed as chairman of the Publications Committee.

Who's Who at IWA - Elaine Robertson and Margaret Kitchingman

Elaine was born in Scotland but has spent much of her working life abroad. Her background is in office and personnel management and she was employed in the travel and tourism industry before moving to London ten years ago. She has worked in the headquarters offices of Coopers & Lybrand, the international accountancy firm, and also for a regional television company.

At IWSA, Elaine is executive assistant to Mike Slipper. She has a varied role including the administration of the Association's busy programme of Congresses and Conferences. Her experience working overseas, coupled with her knowledge

of the travel industry, are valuable assets.



Margaret has worked in the water industry since leaving college. She first worked with Ronald Fairall at the British Waterworks Association (BWA) when it was under the directorship of Leonard Millis, one of the founding members of the

International Water Supply Association (IWSA). Margaret moved with Ron when he was appointed to the directorship of the Water Supply Industry Training Board (WSITB). During her time with the BWA and WSITB, she also worked for IWSA on a voluntary basis.

When the UK water industry was reorganised in 1974, Ron Fairall was appointed Secretary General of IWSA with Margaret as his deputy. Ron was also appointed Director of what became the International Association on Water Quality (IAWQ) and Margaret helped him to set up the organisation in London when it was transferred from South Africa. She continued

to work at IWSA with Len Bays until 1985 when she took up an her present appointment with IAWQ. Margaret has enjoyed working for both Associations, has a good knowledge of both and looks forward to the challenge which the merger will bring.



Forthcoming events

6-10 June 1999 Tampere, Finland

6th IAWQ Symposium on Forest Industry Wastewaters
Ms Sirpa Sandelin, the 6th IAWQ Symposium on Forest Industry Wastewaters, Tampere University of Technology, Water and Environmental Engineering, PO Box 541, FIN-33101 Tampere, Finland.
Tel: + 358 3 365 2567
Fax: + 358 3 365 2052
e-mail: forest99@cc.tut.fi

13-18 June 1999 Jerusalem, Israel

Environmental Challenges for the New Millennium
Mrs Daphne Loebel, PO Box 50006, Tel Aviv, Israel.
Tel: + 972 3 514 000
Fax: + 972 3 514 0077;
e-mail: ecology99@kenes.com

15-18 June 1999 Barcelona, Spain

2nd International Symposium on Anaerobic Digestion of Solid Waste II-HSA-SW, Apdo. Correos 30124, E-08080 Barcelona, Spain.
Tel: + 34 629 920591
Fax: + 34 619 751 180; e-mail: congres@waste.qui.ub.es, or Professor Mata-Alvarez, Department of Chemical

Engineering, University of Barcelona, Mart i Franques 1, Plta. 6, E-08028 Barcelona, Spain
Tel: + 34 934 021 305
Fax: + 34 934 021 291 ;
e-mail: mata@mafalda.ub.es

24-26 June 1999 Trondheim, Norway

Removal of Humic Substances from Water
Professor Hallvard Odegaard, Department of Hydraulic and Environmental Engineering, Norwegian University of Science and Technology - NTNU, N-7034 Trondheim, Norway.
Tel: + 47 73 59 47 59 Fax: + 47 73 59 05 44 ; e-mail: Hallvard.Odegaard@bygg.ntnu.no

22-24 August 1999 Zurich, Switzerland

First European Seminar on Environmental Engineering Education
Professor Willi Gujer, Tel: + 41 1 6333067 Fax: + 41 1 6331061
e-mail:eee99:eawag.ch

30 August - 3 September 1999

Sydney, Australia
8th International Conference on Urban Storm Drainage

8ICUSD Conference Secretariat, The Organising Group, Suite 1, 470 Sydney Road, Balgowlah, NSW 2093 Australia.
Tel: + 61 2 9949 4933
Fax: + 61 2 9949 3905
e-mail: orggroup@orggroup.aust.com

18-24 September 1999 Buenos Aires, Argentina

IWSA 22nd World Congress and Exhibition
IWSA Secretariat, 1 Queen Anne's Gate, London SW1H 9BT, United Kingdom.
Tel: + 44 171 957 4567
Fax: + 44 171 222 7243
e-mail: iwsa@dial.pipex.com

22-24 September 1999 London, UK

Control and Prevention of Odours in the Water Industry
Erica Hammond, Terrence Dalton Events, 47 Water Street, Lavenham, Suffolk CO10 9RN, UK.
Tel: + 44 1787 248097.
Fax: + 44 1787 248267.
E-mail: erica@lavenhamgroup.co.uk

13-15 October 1999 Athens, Greece

Disposal and Utilization of Sewage

Sludge Treatment Methods and Application Modalities
Professor Andreas Andreadakis, Organising Committee, Water Resources Department, National Technical University of Athens, 5 Iroon Polytechniou St, 15773 Athens, Greece.
Tel: + 30 1 772 2897.
Fax: + 30 1 772 2899.
E-mail: andre1@central.ntua.gr

17-20 October 1999 New York, USA

4th IAWQ Conference on Biofilm Reactors
Frank Rogalla, Rua Jerusalem 53/62, Sao Paulo, SP 04510-020, Brazil.
Tel: + 55-11-970-3715,
Fax + 55 11 5503 9897.
E-mail: frogalla@sti.com.br

18-20 October 1999 Taipei, Chinese Taiwan

Asian WATERQUAL '99 - 7th IAWQ Asia-Pacific Regional Conference ASIAN WATERQUAL '99 Secretariat, Graduate Institute of Environmental Engineering, National Taiwan University, 71 Chou-Shan Road, Taipei, Taiwan.
Tel: + 886 2 23625373.
Fax: + 886 2 23928821.
E-mail: wsu@green.ev.ntu.edu.tw

Who's Who at IWA - Introducing the Publishing Staff

Chris Purdon is IAWQ's Publications Manager, responsible for delivering all the Association's publications. Chris is a graduate in marine biology, and joined the Association in 1995. He previously enjoyed 12 years working in academic publishing, starting as an abstractor and indexer for a zoological database publisher in York, northern England. In 1986 he joined the Royal Society, the UK's national academy of science, also based in St James's, London. There he worked on a wide range of publications including journals, conference proceedings, technical reports and submissions to the UK Government. As Publications Manager at the Society, he was responsible for the implementation of a relaunch to the Society's publications and all of the internal reorganization that went with it, so Chris is no stranger to change.

Journals Manager **Paul Nagle** has responsibility for the IAWQ journals and for conference proceedings in *Water Science and Technology* in particular. He joined IAWPRC, as it then was, in 1989 as its Technical Sub-Editor. He has thus been involved in the construction of the scientific and technical programme for the past five Biennial conferences. Paul originally graduated from the University of Sussex in chemical physics. He moved into scientific and technical publishing, working on journals, books and magazines for the Institute of Physics, the UK's learned

Alan Click, Chris Purdon, Denise Taylor & Paul Nagle



society and professional body for physical sciences. During this period IoP transformed its Publishing Division into IOP Publishing, a highly successful wholly owned publishing company. Paul is looking forward to repeating the best aspects of that experience for IWA.

Denise Taylor comes from Rochester, Kent. She studied special biology at Hull University, where her tutor was Andrew Lawrence, IAWQ's former Marketing Officer. Denise joined IAWQ in June 1997 to help with the review of papers and the preparation of the scientific and technical programmes for the Vancouver biennial conference. In January 1998 she was appointed Journals Executive, with particular responsibility for the day-to-day running of *Water Research*. This involves liaison with

the Executive Editor and all the Regional Editors over the submission, review and acceptance of papers, and with Elsevier Science over the production and publication of issues.

Like Denise, **Alan Click** joined IAWQ to work on the Vancouver biennial conference. He graduated with an honours degree in chemistry from Sheffield University in 1995 and spent the subsequent year working abroad in Canada. Now assistant to Michael Dunn, IAWQ's Publisher, Alan's responsibilities include the coordination of forthcoming IWA titles and the Scientific and Technical Report series, producing and editing the Specialist Group newsletters and assisting with the development of the new IWA Publishing web site.

Who's Who at IWA - Hannah Clark

Hannah studied at the University of Glasgow and graduated recently with an MA (Hons) in French and Hispanic Studies. During the last 6 years she has travelled extensively and has had the opportunity to work and study in French, Spanish and Portuguese speaking countries.

At IWSA Hannah is in charge of

membership. Her role encompasses a variety of areas including subscriptions, general enquiries, updating records, conference organisation and publishing the IWSA Yearbook. She also uses her languages and this skill will be particularly valuable in Buenos Aires at this year's World Congress.



The IWA newsletter is jointly published by IAWQ and IWSA. Enquiries can be directed to Chris Purdon, IAWQ Publications Manager at Duchess House, 20 Masons Yard, Duke Street St James's, London SW1Y 6BU, UK; Telephone + 44 (0)171 839 8390; Fax + 44 (0)171 839 8299; e-mail publications@iawq.org.uk.

From 1 July 1999, the headquarters of both IAWQ and IWSA will join together in new premises in central London. The new address will be Alliance House, 12 Caxton Street, London SW1H 0QS, UK. Issue 3 of the newsletter will contain a feature on the new premises, including full contact details.