

CANADIAN ASSOCIATION ON WATER QUALITY

2008 ANNUAL REPORT

The Canadian Association on Water Quality (CAWQ) is a non-governmental, non-profit organization for scientists, engineers, technologists, administrators, practitioners, and students engaged in or interested in research on water quality or on the control or treatment of water pollution. The CAWQ was officially incorporated in the province of Ontario in 1992. Federal incorporation is pending.

In 2008, the Association had 399 memberships, representing private, government and university sectors. These memberships are distributed as follows: 195 Individual CAWQ, 94 Individual joint CAWQ and International Water Association (IWA, our parent organization), 68 Student CAWQ, 2 Retired CAWQ, 8 Retired Joint CAWQ-IWA, 19 Student Joint CAWQ-IWA, and 13 Corporate.

The mission of the CAWQ is to create and foster a nationwide network of professionals dedicated to the development and communication of knowledge for the preservation and enhancement of the water quality environment.

WATER QUALITY RESEARCH JOURNAL OF CANADA

A cost-shared publication agreement between the CAWQ and the National Water Research Institute (NWRI) in Burlington, Ontario, provides for the services of a managing editor who takes editorial responsibility for the publication of the Journal. Without this partnership with NWRI, the Association would not be able to continue publishing the Journal.

Professor Ronald Gehr of the Department of Civil Engineering and Applied Mechanics, McGill University, is Editor of the *Water Quality Research Journal of Canada* (WQRJC). He leads the overall editorial development of the Journal and its readership growth efforts, and is assisted by Managing Editor, Janet Jardine, and 12 Associate Editors as well as Guest Editors for Theme Issues.

There will be a total of 33 papers published in Volume 43 of the WQRJC 2008 that will be published and distributed to CAWQ members and to the more than 100 library subscribers world-wide. Volume 43 (1) was a special issue on Disinfection. Issues 2 and 3 of volume 43 were produced as a combined issue to help expedite the production process and bring the publishing up to date.

The abstracts for each paper published as well as authors' instructions, scope of the Journal, subscription and membership information can be accessed on the Journal's web site (see www.cawq.ca or www.acqe.ca). Full issues and individual articles can also be purchased online. For more information about the WQRJC, please refer to the Annual Report produced by the Editor.

THE CAWQ AND JOURNAL WEBSITE

Journal articles are now available on-line, giving CAWQ members the option of receiving on-line versions, in addition to or instead of the hardcopy version. A new search engine also allows users to query key words and authors. Furthermore, in collaboration with McGill University, articles from back issues of the Journal are now available free-of-charge at

<http://digital.library.mcgill.ca/wqrj/>

On-line membership, journal, and symposium payments are also available through the website. A secure connection is now available for credit card information to be sent via the site. Please visit the upgraded site at <http://www.cawq.ca> or <http://www.acqe.ca>.

SPONSORSHIP OF SYMPOSIA

CAWQ sponsors annual regional symposia on water quality research, providing a venue for the presentation of recent research results and the opportunity for the exchange of information and networking. Presenters at the symposia are encouraged to submit their work for peer review and publication in the WQRJC. Some details about these conferences include:

- The 43rd Central Canadian Symposium on Water Quality Research chaired by Dr Chris Marvin was held in Burlington, Ontario at the Canadian Centre for Inland Waters on February 11-12, 2008. It was co-sponsored by the CAWQ and the National Water Research Institute. The event was attended by 276 delegates, and included 90 oral presentations, 12 poster presentations, and a special interactive session devoted to Harmful Algal Blooms.
- About 120 delegates attended the 24th Eastern Regional Symposium held at McGill University, Montreal on November 7, 2008. It was co-organized by the 8th Annual Symposium of the Brace Centre. 40 oral presentations and 12 posters were presented. This Symposium was chaired by Dr Dominic Frigon.
- The 9th Western Regional Symposium, chaired by Dr Eric Hall was organised jointly with the British Columbia Water and Wastewater Association (BCWWA) and was held in Whistler, British Columbia from April 26–30, 2008.

The CAWQ sponsors a competition for the “best presentation” of a research paper made by a student at each of the regional symposia. The winners receive the Philip H Jones Award, which includes a certificate, a cash prize of \$200, a one-year joint membership in CAWQ and IWA, including a subscription to the *Water Quality Research Journal of Canada* and *Water 21*, mention of their name in an issue of the journal and on the website, and a formal invitation to submit their work for peer review and eventual publication in the journal. The following students were presented the Philip H Jones Award at the three symposia held in 2008:

Mohamed Hamouda

University of Waterloo

(Winner at the 43rd Central Canadian Symposium, held in Burlington at the Canada Centre for Inland Waters, February 11-12, 2008)

Andrea Miskelly

University of British Columbia

(Winner at the 9th Western Regional Symposium, held in Whistler, British Columbia, April 26-30, 2008)

Jason Faber Carpenter

Département de génie civil, Université Laval, Québec

(Winner at the 24th Eastern Regional Symposium, held in Montreal, QC. November 7, 2008)

SCIENCE HORIZONS INTERNSHIP

The Science Horizon Intern program is a government assisted program to provide experience for new graduates. Naomi Warrier is the Science Horizons intern for 2008-2009. Her duties include coordinating the 44th Central Canadian Symposium, as well as providing assistance with Journal editing. Interns are mentored by Michael Forbes Science Liaison Officer, S&T Strategies Directorate, who provides valuable career advice and guidance in their work.

SUPPORT OF STUDENTS

As part of its mandate, the Association provides assistance and encouragement to students in the water quality and water pollution fields. This includes significant reductions in CAWQ membership fees (by approximately 75% of the regular fee) and in symposia registration fees as well as the awarding of the Philip H Jones Awards for the “best student presentations” at each of the regional symposia, as mentioned above.

INTERNATIONAL ACTIVITIES

The CAWQ and the Canadian Water and Wastewater Association (CWWA) comprise the Canadian National Committee (CNC) of the IWA. The CNC represents Canada on the IWA assembly. The current Canadian representatives on the IWA Governing Board are Dr Peter Jones (CAWQ), Dr Ron Droste (CAWQ), and Mr Wolf Keller (CWWA). Canada has one vote on the IWA assembly. Other members of the CNC are Mr Carl Yates (CWWA), Mr Duncan Ellison (CWWA, secretary of CNC) and Dr Eric Hall.

A joint CAWQ-IWA membership is available to CAWQ members. The joint membership fees represent a saving of up to 25% over membership of CAWQ and IWA purchased separately. In addition, joint CAWQ-IWA members may subscribe to any, or all, of the IWA journals which are available in print or electronic format. These are as follows:

- *Water Research* — a world leading journal for research papers on all aspects of water quality and wastewater management.
- *Water Science and Technology* — a journal publishing peer-reviewed papers on all aspects of water quality management and pollution control.
- *Water Science and Technology: Water Supply* — peer reviewed journal publishing scientific technical papers on all aspects of water supply.
- *Journal of Hydro-Informatics* — a peer-reviewed journal devoted to the application of information technology in the widest sense to problems of the aquatic environment.
- *Journal of Water Supply Research & Technology (Aqua)* — journal contains wide-ranging coverage of scientific, engineering and technical topics in the water services field.

- *Journal of Water and Health* — a journal that disseminates information on health implications and control of waterborne micro-organisms and chemical substances in the broadest sense.

IWA also provides the two publications below to all members in addition to a number of newsletters.

- *IWA Yearbook* — document with full details of IWA and its activities with a complete list of the membership and committees.
- *Water 21* — a news and features magazine covering wastewater processes, legislation, new product information, and details of all IWA activities

ON-GOING AND FUTURE INITIATIVES

The IWA was founded in 1998 by the amalgamation of the International Association on Water Quality (IAWQ) and the International Water Services Association (IWSA) to form the new IWA, with interests and responsibilities being similar to those of its two founding organizations. Before the merger, the CAWQ served as the CNC of the IAWQ and represented Canada on the IAWQ Governing Board. CAWQ continues to serve this role along with CWWA, with the two organizations now representing a broader base that includes the water services sector, municipalities, and regional organizations along with the research and academic community.

In order to improve its ability to represent the interests and views of these groups across Canada, the CAWQ is undertaking initiatives to:

- further develop its collaborations with the CWWA and regional associations such as the Water Environment Association of Ontario, the Ontario Waste Water Association, British Columbia Water and Waste Association, Réseau Environnement, to create opportunities for all organizations, and to raise the profile of the CAWQ.
- support development of additional symposia in regions of Canada that have not previously hosted such events. CAWQ has now formed five regional divisions: Atlantic, Eastern, Central, Western, and Pacific.
- Solicit “Ambassadors” of CAWQ at universities and in industry.
- to actively engage in a national effort to develop an agenda on water research priorities in Canada.
- to continue to support and sponsor international and national specialty conferences related to water quality in Canada.
- to revise and improve its vision and supporting documents.

CONFERENCE SPONSORSHIP

Notably, under the leadership of Peter Jones, (Eastern Regional Director and former President of the CAWQ), the CAWQ has made a successful bid to host the IWA World Water Congress and Exhibition in September 2010 in Montreal, QC, as voted at the IWA Governing Board meeting held in Oaxaca, Mexico in 2005. An intense effort is being made by CAWQ and CWWA to organize the event at the local and Canadian level.

Beyond the regular regional symposia described above, CAWQ was a sponsor of the 1st IWA/WEF (Water Environment Federation) Wastewater Treatment Modelling Seminar held in Mont-Sainte-Anne, Québec, Canada, June 1-3, 2008. Members of CAWQ were prominent in the organization of the conference and participation in the event.

ADMINISTRATION OF THE CAWQ

The Board of Directors of the CAWQ is comprised of the Executive Committee and Regional Directors. Except for the Past President and President of the IWA WWC 2010, all executive committee members are elected for a term of two years. Regional directors are appointed by the Executive Committee for a term of two years.

2008 Executive Committee

Dr Ron L Droste, President*
University of Ottawa

Dr Jim A Nicell, Vice President (Eastern)
McGill University

Dr Chris Marvin (Central)
National Water Research Institute
Environment Canada

Dr Eric R Hall, Vice-President (Western)
University of British Columbia

Mr Conrad Allain, Treasurer
Greater Moncton Sewerage Commission

Dr Rajesh D Tyagi, Secretary
INRS-ETE, Université du Québec

Dr Yves Comeau, Past President
École Polytechnique

Dr. J Peter Jones, President IWA WWC 2010
Université de Sherbrooke

2008 Regional Directors

Dr Graham Gagnon (Eastern)
Dalhousie University

Dr Peter A Vanrolleghem (Special Regional
Director - Eastern)
Université Laval

Mr Mike N Lywood (Central)
AMEC Earth & Environmental

Dr Gail Krantzberg (Central)
McMaster University

Mr Clayton Tiedemann (Western)
EPCOR Water Services Inc.

Dr Jan Oleszkiewicz (Western)
University of Manitoba

*The CAWQ president is the *ex officio* Canadian member of the IWA Governing Board.

ADMINISTRATIVE AND OTHER SUPPORT

Ms Janet McAvella is in charge of the Subscription and Membership Office of the CAWQ, located in Burlington, Ontario. The National Water Research Institute provides her with office space and facilities. In addition, financial administrative services are provided at no cost by Ms Marilyn Crawford, XCG Consultants Ltd., Kitchener, Ontario. The CAWQ is sincerely grateful to both NWRI and Ms Crawford for their invaluable assistance and support.