

# CANADIAN ASSOCIATION ON WATER QUALITY

## 2006 ANNUAL REPORT

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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 2006, the Association had 193 memberships, representing the private, government and university sectors. These memberships were broken down as follows: 45 Individual CAWQ, 100 Individual joint CAWQ and IWA (our parent organization), 19 Student CAWQ, 3 Retired CAWQ, 7 Retired Joint CAWQ-IWA, 9 Student Joint CAWQ-IWA, 3 private-sector Sustaining, and 6 Corporate.*

The primary mandate of the CAWQ is to promote research on the scientific, technological, legal, and administrative aspects of water quality and of the control and treatment of water pollution, and to further the exchange of information and practical application of such research for the benefit of Canadians.

### **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, and we are most grateful to its Director General, Dr. John H. Carey, for his continuing support.

Professor Ronald Gehr, Department of Civil Engineering and Applied Mechanics, McGill University, is Editor of the WQRJC. He leads the overall editorial development of the Journal and its readership growth efforts, and is assisted by Managing Editor Kristin May and 13 Subject Editors as well as Guest Editors for Theme Issues. One such issue was published in 2006: “Arsenic in Water” guest edited by Dr. T. Viraghavan, Faculty of Engineering, University of Regina.

There were a total of 47 papers published in Volume 41 of the WQRJC 2006. The four issues totaled 462 pages and were published and distributed to CAWQ members and to the more than 102 library subscribers world-wide.

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](http://www.cawq.ca) or [www.acqe.ca](http://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.

## UPGRADE OF 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. This is the main feature of the upgraded website. 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/>

Along with the website upgrade, the CAWQ has implemented on-line membership, journal, and symposium payments. A secure connection is now available for credit card information to be sent via the site. Please visit the upgraded site at [www.cawq.ca](http://www.cawq.ca) or [www.acqe.ca](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 *Water Quality Research Journal of Canada*. Some details about these conferences include:

- The 41<sup>st</sup> Central Canadian Symposium on Water Quality Research chaired by Dr. John Carey was held in Burlington, Ontario at the Canadian Centre for Inland Waters on February 13<sup>th</sup> and 14<sup>th</sup>, 2006. It was co-sponsored by the CAWQ and the National Water Research Institute. The event was attended by 275 delegates, and included 85 oral presentations and 25 poster presentations.
- About 107 delegates attended the 22<sup>nd</sup> Eastern Regional Symposium held at Concordia University, Montreal on November 03<sup>rd</sup>, 2006. It was co-organized by the INRS-Eau. 48 oral presentations and 23 posters were presented. This Symposium was chaired by Dr. Marie Elektorowicz.
- The 7<sup>th</sup> 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 30<sup>th</sup> to May 03<sup>rd</sup>, 2006.

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 2006:

Ms. Cherilyn Carrara  
Department of Earth Sciences  
University of Waterloo  
(Winner at the 41<sup>st</sup> Central Canadian Symposium, held in Burlington at the Canada Centre for Inland Waters, February 13-14, 2006)

Elizabeth Tilley  
 Department of Civil Engineering  
 University of British Columbia  
 (Winner at the 7<sup>th</sup> Western Regional Symposium, held in Whistler, British Columbia,  
 April 30-May 03, 2006)

Robert Delatolla  
 Department of Chemical Engineering  
 McGill University  
 (Winner at the 22<sup>nd</sup> Eastern Regional Symposium, held in Montreal, QC. November 03,  
 2006)

## SCIENCE HORIZONS INTERNSHIP

Agata Durkalec is the Science Horizons intern for 2006-2007. Her duties include coordinating the 42<sup>nd</sup> 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 serves as the Canadian National Committee of the International Water Association (IWA) and represents Canada on the IWA Governing Board. The current Canadian member of the IWA Governing Board is the **CAWQ President, Dr. Yves Comeau**.

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’s 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 & Technology* — a journal publishing the proceedings from IWA’s conferences.

- *Water Supply* — state of the art reports and scientific technical papers presented at IWA's conferences.
- *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 & Technology (Aqua)* — a journal containing wide-ranging coverage of scientific, engineering and technical topics in the water services field.
- *Journal of Water and Health* — a new journal that disseminates information on health implications and control of waterborne micro-organisms and chemical substances in the broadest sense.

## 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 International Water Association (IWA), with interests and responsibilities being similar to those of its two founding organizations. Before the merger, the CAWQ served as the Canadian National Committee of the IAWQ and represented Canada on the IAWQ Governing Board. Although it continues to do this, the CAWQ must now represent a broader base that includes the water services sector, municipalities and regional organizations.

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 Canadian Waste Water Association 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.
- initiate the formation of a Canadian National Committee in cooperation with the Canadian Waste Water Association to create a unified Canadian voice on the IWA and to extend membership on this committee to other organizations in the future.
- support the development of additional symposia in regions of Canada that have not previously hosted such events.
- 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

## **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 last IWA Governing Board meeting held in Oaxaca Mexico.

## ADMINISTRATION OF THE CAWQ

### 2006 Executive Committee

Dr. Yves Comeau, President \*  
École Polytechnique

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

Dr. John H. Carey, Vice President (Central)  
National Water Research Institute  
Environment Canada

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

Conrad Allain, Treasurer  
Greater Moncton Sewerage Commission

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

Mike Lywood, Past President  
AMEC Earth & Environmental

### 2006 Regional Directors

Dr. Ron L. Droste (Eastern)  
University of Ottawa

Dr. J. Peter Jones (Eastern)  
University of Sherbrooke

Dr. Jan Oleszkiewicz (Central)  
University of Manitoba

Dr. Gail Krantzberg (Central)  
McMaster University

Dr. Troy D. Vassos (Western)  
Nova Tec Consultants Inc.

Dr. Monique Dubé (Western)  
National Water Research Institute  
Environment Canada

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

**Note:** The Board of Directors of the CAWQ is comprised of the Executive Committee and Regional Directors.

## ADMINISTRATIVE AND OTHER SUPPORT

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 Bechthold, XCG Consultants Ltd., Kitchener, Ontario. The CAWQ is sincerely grateful to both NWRI and Ms. Bechthold for their invaluable assistance and support.