

CANADIAN ASSOCIATION ON WATER QUALITY

2007 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 2007, the Association had 397 memberships, representing the private, government and university sectors. These memberships were broken down as follows: 192 Individual CAWQ, 97 Individual joint CAWQ and IWA (our parent organization), 72 Student CAWQ, 2 Retired CAWQ, 9 Retired Joint CAWQ-IWA, 15 Student Joint CAWQ-IWA, and 10 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 has editorial responsibility for the publication of the Water Quality Research Journal of Canada (WQRJC). Without this partnership with NWRI, the Association would not be able to continue publishing the Journal, and we are most grateful to its Acting Director General, Dr. Fred Wrona, 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 management of the Journal and its readership growth efforts, and is assisted by Managing Editor Janet Jardine and 13 Subject Editors as well as Guest Editors for Theme Issues.

There were a total of 15 papers (137 pages) published in Volume 42 Issues 1 & 2 of the WQRJC 2007. An additional 17 papers will be published in Issues 3 & 4. The first two issues were published and distributed to CAWQ members and to the more than 102 library subscribers world-wide.

The abstracts for each paper published and the 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 (www.cawq.ca or www.acqe.ca) For more information about the WQRJC, please refer to the Annual Report produced by the Editor. This report can be found on CAWQ web site. (www.cawq.ca or www.acqe.ca)

THE CAWQ AND JOURNAL WEBSITE

Journal articles are 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 available through the website. A secure connection is available for credit card information to be sent via the site. Please visit the upgraded site at www.cawq.ca or 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 42nd Central Canadian Symposium on Water Quality Research chaired by Dr. Jim Maguire was held in Burlington, Ontario at the Canadian Centre for Inland Waters on February 12th and 13th, 2007. It was co-sponsored by the CAWQ and the National Water Research Institute. The event was attended by 303 delegates, and included 105 oral presentations and 12 poster presentations.
- Over 100 delegates attended the 23rd Eastern Regional Symposium held at Sherbrooke University, Montreal on October 26th, 2007. It was co-organized by the l'Observatoire de l'environnement et du développement durable and the University of Sherbrooke. 48 oral presentations and 23 posters were presented. This symposium was co-chaired by Olivier Thomas (University of Sherbrooke) and Roland Leduc (University of Sherbrooke).
- Over 100 delegates attended the 8th Western Regional Symposium, chaired by Dr. Eric Hall was organised jointly with the British Columbia Water and Wastewater Association (BCWWA) and was held in Penticton, British Columbia from April 21st to 25th, 2007. 12 papers were presented during three sessions.

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 subscriptions 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 WQRJC. The following students were presented the Philip H. Jones Award at the three symposia held in 2007:

Ms. Amanda Farquharson
University of Guelph
(Winner at the 42nd Central Canadian Symposium, held in Burlington at the Canada Centre for Inland Waters, February 12-13, 2007)

Jason Vanderzwaag
 University of British Columbia
 (Winner at the 8th Western Regional Symposium, held in Penticton, British Columbia,
 April 23-April 25, 2007)

Jeremy Landon Conkle
 Oceanography and Coastal Sciences Wetland Biogeochemistry Institute
 Louisiana State University
 (Winner at the 23rd Eastern Regional Symposium, held in Sherbrooke, QC. October 26th,
 2007)

SCIENCE HORIZONS INTERNSHIP

Denis Carr is the Science Horizons intern for 2007-2008. His duties include coordinating the 43rd Central Canadian Symposium. 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 presentation” 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. R.L. Droste*.

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 2007 CAWQ formally established 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.

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.
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- 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

2007 Executive Committee

Dr. Ron L. Droste, President *
École Polytechnique

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

Dr. Jim Maguire (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

Dr. Yves Comeau, Past President
École Polytechnique

2007 Regional Directors

Dr. G. Gagnon (Eastern)
Dalhousie University

Dr. Peter A. Vanrolleghem (Eastern)
Université Laval

M.N. Lywood (Central)
AMEC Earth & Environmental

Dr. Gail Krantzberg (Central)
McMaster University

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

Vacant (Western)

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